

1st September 2023



Our ref: J20089/AT/01

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Mr Simon Robinson
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Dear Simon

Re: 9 LYNDBURST TERRACE, LONDON NW3 5QA

We refer to our previous desk study and basement impact assessment (BIA) report for the above site (ref: J20089, Issue 3, dated October 2020), which was undertaken for the proposed demolition of the existing building on the site and the subsequent construction of a new four-storey building with a single level basement. Our previous report included a ground movement analysis and building damage assessment of the surrounding structures.

The scheme has been amended such that the proposed basement will extend approximately 2 m further to both the front and rear. Additionally, the proposed basement has been made slightly deeper.

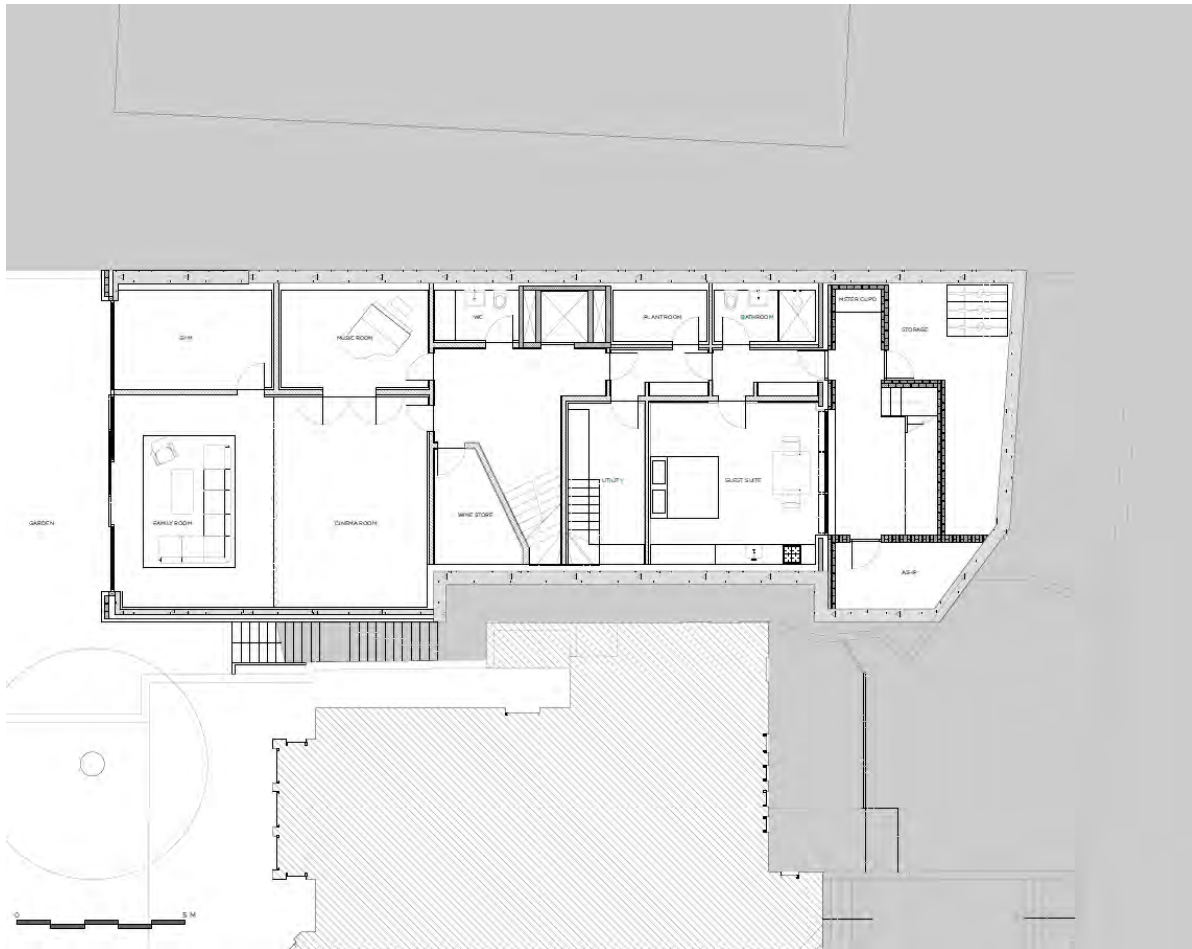
Our previous report has been reviewed in the light of the proposed alterations to the scheme and the findings and advice provided in the report remain applicable, with the notable exception of the ground movement assessment. As a result, the ground movement assessment has been revised to reflect the proposed alterations and the same analysis method as the previous analysis has been followed. The details in this respect and the findings of the updated ground movement assessment are discussed below.

The sides of an excavation will move to some extent regardless of how they are supported. The movement will typically be both horizontal and vertical and will be influenced by the engineering properties of the ground, groundwater level and flow, the efficiency of the various support systems employed during underpinning and the efficiency or stiffness of any support structures used.

An analysis has been carried out of the likely movements arising from the proposed excavation and the results of this analysis have been used to predict the effect of these movements on surrounding structures.

9.1 Basis of Ground Movement Assessment

The plan below shows the proposed basement footprint in relation to the nearby sensitive structures.



Sensitive structures relevant to this assessment include Nos 7 and 11 Lyndhurst Terrace to the northwest and southeast respectively. There are no potentially sensitive structures within 17 m to the east and 20 m to west. These lie outside of the extent of the movements predicted as a result of the basement excavation.

The nature of the foundations of Nos 7 and 11 Lyndhurst Terrace is not known, so they have been assumed to be spread foundations around the perimeter of the building. The depth to the underside of the foundations of No 7 Lyndhurst Terrace has been provided within the architect's drawings which show the underside of the foundations to extend to a level of 96.40 m SD. The foundations of No 11 Lyndhurst Terrace have been assumed to extend to a depth of 1.50 m below ground level (98.25 m SD). The information in these drawings has also provided the wall heights used in the building damage assessment.

It should also be noted that information on the planning portal has indicated at least a partial basement level to be present beneath No 11, but this has been omitted from the analysis as the extent and depth of the basement could not be established.

The effect of the basement on the hardstanding of the roadway has been assessed through a structure modelled along the curb line of the roadway closest to the proposed building. The structure has been paced at a depth of 0.50 m and it has been modelled as a building of 0.50 m in height, which should reflect the build-up of engineered materials forming the roadway.

The utility searches identified Thames Water, UK Power Networks (UKPN) and Cadent Gas utilities within 10 m of the basement, located beneath the roadway of Lyndhurst Gardens. The depth of these services is unknown, but these elements have been modelled at a depth of 1.00 m below ground level. In addition, the effects of the development on the Network Rail tunnel located approximately 10 m to the north of the site has been modelled in the P-Disp overall term analysis in a similar way to provide an indication of the movement that will occur on the tunnel crown. The line has been included in the analysis at a depth of 37 m below ground level (62.75 m SD).

9.2 Construction Sequence

Consideration is being given to the redevelopment of the site through the demolition of the existing building and the subsequent construction of a new four-storey building with a single level basement which will extend to a level of approximately 96.00 m SD.

From the information provided, it is understood that reinforced concrete retaining walls will be used to support the proposed excavations, following the demolition of the existing building.

The following sequence of operations has been derived to enable analysis of the ground movements around the basement, both during and after construction, and is based on the information provided by the structural engineer.

Essentially, following the demolition of the existing building, the sequence of works may be considered as two groups of activities, the first comprising the short-term temporary works, whilst the second represents the construction of the permanent works.

The detail of the support provided to adjacent walls is beyond the scope of this report.

9.2.1 Temporary Support to Reinforced Concrete Retaining Walls

It is understood that the installation of the reinforced concrete retaining walls will be carried out in panels much like the installation of underpinning in a 'hit and miss' sequence. This type of construction should generally be undertaken in short sections not exceeding 1.00 m to 1.20 m in length, with no adjacent section to be excavated until a minimum of 48 hours after the adjacent section has been cast and dry-packed placed, with the sides of the excavation adequately shored and propped.

The walls will be adequately laterally propped and each section will be sufficiently dowelled together, and the concrete will be cast and adequately cured prior to excavation of the basement and removal of the formwork and supports. It is understood that as the building is to be constructed from concrete metal deck with steel structure from ground level up, and the basement retaining walls will be cantilevered in the permanent condition.

When the final excavation depths have been reached, reinforced concrete will be used to construct the new basement floor slabs in sequential sections which will act as a permanent prop at formation level and will be constructed prior to the construction of the remainder of the new building.

10.0 GROUND MOVEMENTS

An assessment of ground movements within and surrounding the excavation has been undertaken using the X-Disp and P-Disp computer programs licensed from the OASYS suite of geotechnical modelling software from Arup. These programs are commonly used within the ground engineering industry and are considered to be appropriate tools for this analysis.

The X-Disp and P-Disp programs have been used to predict ground movements likely to arise from the construction of the proposed basement. This includes the heave / settlement of the ground (vertical movement) and the lateral movement of soil behind the proposed retaining walls (horizontal movement).

For the purpose of these analyses, the corners have been defined by x and y coordinates, with the x-direction parallel with the orientation southwest to northeast, whilst the y-direction is parallel with Lyndhurst Terrace. Vertical movement is in the z-direction.

It is understood that propping will be provided at the front section of the basement only, both during the construction of the basement and in the permanent condition, such that the walls can be considered to be stiff for the purpose of the ground movement modelling. All other walls on the site should be considered to be of low stiffness as propping is not proposed.

Input and output data of all the analyses are included within the appendix.

10.1 P-Disp Model

Unloading of the Claygate Member and underlying London Clay will take place as a result of the proposed demolition of the existing building and subsequent excavation of the proposed basement and the reduction in vertical stress will cause heave to take place. Undrained soil parameters have been used to estimate the potential short-term movements, which include the “immediate” or elastic movements as a result of the basement excavation. Drained parameters have been used to provide an estimate of the total movement.

The elastic analysis requires values of soil stiffness at various levels to calculate displacements. Values of stiffness for the soils at this site are readily available from published data¹ and a well-established method has been used to provide estimated values. Relationships of $E_u = 750 C_u$ and $E' = 0.75 E_u$ for the cohesive soils and $2000 \times \text{SPT N}$ (estimated from soil description) for granular soils have been used to obtain values of Young's modulus.

The site is currently formed on two levels with the majority of the site at garden level, about 97.50 m SD, while a section of the property in the northeast is at ground level, at about 99.75 m SD. The excavation of the basement will extend to a level of 96.00 m SD and as a result a thickness of about 1.50 m of material will be removed across most of the site, increasing to a thickness of 3.75 m in the northeast corner. This will result in a net unloading of around 28.5 kN/m², increasing to about 70 kN/m² for the deeper excavation. In addition, the unloading due to demolition has been modelled on the basis of a loading of 12.5 kN/m² per storey as a load takedown of the existing structure has not been provided. Proposed wall loads will be between 60 kN/m and 225 kN/m and proposed column loads will be between 240 kN and 80 kN. These loads are to be supported by a raft slab that will not be sufficiently stiff to allow this load to be modelled as a uniform distributed load. As a result, the boundary wall and slab loads have been modelled separately with the perimeter loads being 1 m in width and the column loads have been modelled as circular loads of 1 m in diameter.

1 Burland JB, Standing, JR, and Jardine, FM (2001) *Building response to tunnelling, case studies from construction of the Jubilee Line Extension*. CIRIA Special Publication 200

The soil parameters used in this analysis and tabulated below have been primarily derived from the on-site investigation but supplemented with the data from nearby GEA investigations and BGS data to extrapolate the strength profile of the London Clay beyond the maximum depth of the investigation. The Claygate Member has been found to comprise a variable sequence of clay and sand and for the purpose of the analysis it has been assumed to be a clay. A rigid boundary has been set for the assessment at a level of 34 m SD which is shown to be the level of the base of the London Clay in the closest deep borehole record held by the BGS (TQ28NE277 at grid reference 527390,185380).

Stratum	Level (m SD)	Cu (KN/m ²)	Eu (KN/m ²)	E' (KN/m ²)
Made Ground	98.30 to 96.50	-	-	10,000
Claygate Member	86.50 to 80.00	65 to 145	48,750 to 108,750	36,562 to 81,562
London Clay	80.00 to 34.00	145 to 380	108,750 to 285,000	81,562 to 213,750

An assessment of the potential behaviour of the new foundations has been included within the analysis, with a staged approach to the modelling adopted to reflect the change in the way the loads are applied during the course of construction.

10.2 Ground Movements Surrounding the Basement

The magnitude of the settlement resulting from the proposed basement construction will be controlled to a large extent by the quality of workmanship of the retaining walls. For the purpose of this assessment a high quality of construction has been assumed.

10.2.1 Installation Phase

For the X-Disp analysis, the installation curves for the panel-like planar diaphragm wall have been adopted as most appropriate for the soil movement relationship for concrete walls installed as panels of concrete, similar to that of underpinning. The overall-term behaviour of the proposed underpinning under vertical load during the early stages of construction have been obtained from P-Disp and imported into X-Disp, to enable a damage assessment to be undertaken of all the potential movements.

10.2.2 Excavation Phase

Settlement of the soil behind the new retaining wall will occur due to the excavation in front of the wall causing the wall to deflect. As reinforced concrete retaining walls will be adopted for much of the proposed basement and will be cantilevered, the ground movement curves for 'excavation in front of a low stiffness wall in stiff clay' have been adopted to reflect the likely horizontal movements. However, the section of basement that extends beyond the front wall of the proposed ground floor of the house will be laterally propped in both the short term and overall term and therefore the ground movement curve for the 'excavation in front of a high stiffness wall in stiff clay' has been used for these elements.

In order to address the potential impact of the proposed excavations, the vertical movements obtained from the excavation and short-term stages of the P-Disp analysis have been also imported into X-Disp to enable a damage assessment to be undertaken of all the potential movements.

10.2.3 Results

The movements predicted by the combined X-Disp and P-Disp analysis for the new basement extension are summarised in the table below; the results are presented below, and in subsequent tables, to the degree of accuracy required to allow predicted variations in ground movements

around the structure to be illustrated, but may not reflect the anticipated accuracy of the predictions.

Stage 1 (Demolition and installation of retaining walls)

Phase of Works	Wall Movement (mm)*	
	Vertical Heave / Settlement	Horizontal Movement
Immediately behind wall	-1 to 2	<2.5
At 5 m from wall	<1.0	<1.0
At 10 m from wall	<1.0	<1.0

*A positive number denotes settlement, whilst a negative number denotes heave.

Stage 2 (Bulk excavation)

Phase of Works	Wall Movement (mm)*	
	Vertical Heave / Settlement	Horizontal Movement
Immediately behind wall	-1.0 to -2.5	6.0 to 21.0
At 5 m from wall	<-1.0 to <1.0	2.0 to 6.0
At 10 m from wall	<-1.0 to <1.0	<2.0

*A positive number denotes settlement, whilst a negative number denotes heave.

Stage 3 (Complete construction – short term)

Phase of Works	Wall Movement (mm)*	
	Vertical Heave / Settlement	Horizontal Movement
Immediately behind wall	-1.0 to 4.0	6.0 to 21.0
At 5 m from wall	<-1.0 to <1.0	2.0 to 6.0
At 10 m from wall	<-1.0 to <1.0	<2.0

*A positive number denotes settlement, whilst a negative number denotes heave.

Stage 4 (Total movements)

Phase of Works	Wall Movement (mm)*	
	Vertical Heave / Settlement	Horizontal Movement
Immediately behind wall	-2.0 to 7.0	6.0 to 21.0
At 5 m from wall	<-1.0 to <1.0	2.0 to 6.0
At 10 m from wall	<-1.0 to <1.0	<2.0

*A positive number denotes settlement, whilst a negative number denotes heave.

The estimated movements are considered to represent a worst-case scenario, particularly as the movements resulting from basement excavation will be minimised due to control of the propping in the temporary works and a regime of monitoring. It should be noted that due to the limitations of the software, in the vicinity of the join between the areas of the basement of different excavation depths in the central section of the northern boundary of the building, a plume of larger movement of up to 21 mm is shown on the contour plots. This is caused by the software doubling up movements from multiple walls due to the use of two excavation shapes within the analysis and will not occur in practice. No data manipulation has been carried out to reduce this effect and as a result the assessment is considered to be highly conservative.

10.3 Ground Movements within the Excavation (Heave / Settlement)

10.3.1 Results

The P-Disp analysis indicates that short-term heave resulting from the demolition of the existing building and the basement excavation is likely to be in the order of 5.0 mm to 8.0 mm, which would be expected to be complete by the end of the excavation and construction period, whilst up to 7.0 mm of settlement is anticipated on the proposed underpinning. In the long term, following completion of the proposed basement, a further 5 mm of heave is estimated at the centre of the excavation, as a result of long term swelling of the underlying clay soils, while a further 4 mm of settlement is anticipated beneath the underpins.

The predicted movements are summarised in the table below.

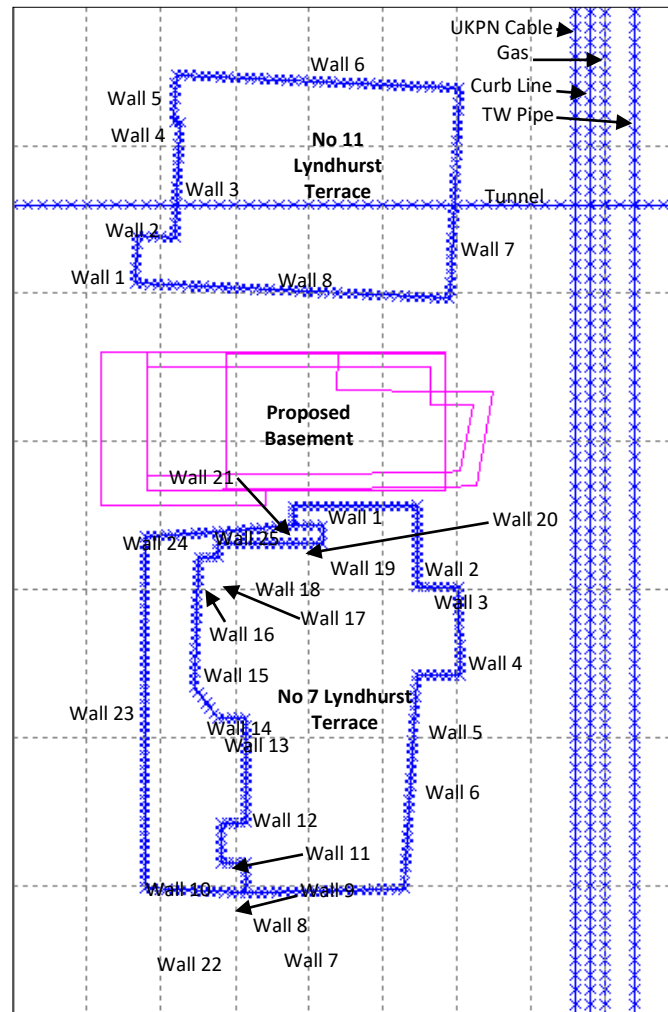
Location	Movements (mm) Heave is -ve and settlement is +ve			
	Short Term			Total (Stage 4)
	Stage 1	Stage 2	Stage 3	
Centre of proposed basement	-3.0	-5.0 to -8.0	-2.0 to -5.0	-3.0 to -10.0
proposed Underpinning	-1.5 to -2.0	-1.0 to -5.0	-3.0 to 7.0	-3.0 to 11.0

Potential heave pressures are typically taken to equate to around 50 % of the total unloading, assuming a linear relationship between heave movement and the pressure applied to the underside of the slab, which in this case is taken to be inflexible. However, as there is flexibility in the slab, this value will reduce as the slab deflects and it would be reasonable to assume that the heave pressure would reduce to around 35 % of the unloading pressure.

11.0 DAMAGE ASSESSMENT

In addition to the above assessment of the likely movements that will result from the proposed development, any neighbouring buildings within the zone of influence of the excavations are considered to be sensitive structures, requiring Building Damage Assessments, on the basis of the classification given in Table 6.4 of CIRIA report C760².

The sensitive structure of Nos 7 Lyndhurst Avenue has been modelled as a series of displacement lines, as detailed on the plan overleaf, along which the damage assessment has been undertaken.



11.1 Damage to Neighbouring Structures

The ground movements calculated using the P-Disp modelling software have been imported into X-Disp to carry out an assessment of the likely damage to adjacent properties, whereby the vertical heave and settlement movements along each sensitive structure have been used to estimate the deflection ratio of the nearby sensitive structures. This has been carried out for the overall movements and the short term bulk movements to ensure the worst case scenario has been assessed.

The building damage reports for sensitive structures highlighted above are included in the appendix and indicate that the damage to the adjoining and nearby structures due to short and total movements for each stage of the proposed development do not exceed Category 1 (Very Slight), with the exception of Walls Nos 1 and 2 of No 7 Lyndhurst Terrace. However, it is noted that the basement excavation will, in reality, only extend approximately 0.40 m below the base of the foundations for No 7 Lyndhurst Terrace. Therefore a separate assessment has been carried out (Inputs and Outputs included in the appendix) modelling the 0.40 m excavation between the base of the foundations of No 7 Lyndhurst Terrace and the proposed basement depth. The results have indicated the affect of the excavation No 7 Lyndhurst Terrace will be negligible.

The results of the analysis of the curb line of Lyndhurst Gardens has been predicted to sustain Category 0 (Negligible) damage.

Analysis of the displacement lines included within the assessment to determine the effect of the development on the nearby utilities and London Overground tunnel have indicated that minimal movement will occur which will not cause significant damage to the utilities. The maximum movements predicted on each piece of infrastructure is detailed in the table below.

Utility	Movement (mm) Heave is -ve and Settlement is +ve
UKPN Cable	6
Cadent Gas Pipe	4
Thames Water Asset	3
London Overground Tunnel	<1

The results discussed above are based on individual building lines, or walls, that in some instances, have been further divided up within the analysis into a series of segments that are assumed to be able to move independently of one another, with the most critical segment determining the result for the entire wall. In reality, this is unlikely to be the case as the walls will behave as single stiff elements that are also joined continuously with the rest of the structure.

The results therefore provide a conservative estimate of the behaviour of each of the sensitive structures and overestimate the degree of damage, although they provide a useful indication of the most critical structures within the adjoining properties.

11.2 Monitoring of Ground Movements

The predicted ground movements should be checked by the monitoring of the adjacent properties and structures. The structures to be monitored during the construction stages should include the neighbouring structure assessed above. The monitoring will be carried out as outlined in the Planning Stage Construction Management Plan prepared by Engineers HRW, the consulting engineers for the project.

12.0 GMA CONCLUSIONS

The ground movement analysis has concluded that the predicted damage to the neighbouring properties would generally be 'Negligible' to 'Very Slight'.

On this basis, the damage that has been predicted to occur as a result of the construction the proposed basement falls within the limits acceptable to the London Borough of Camden assuming that the careful control is taken during construction of the proposed excavations to ensure that no excessive movements occur that would lead to damage in excess of these limits.

In practice, the construction of the retaining walls and the subsequent excavation of the proposed basement, will be staged processes and will take place over a number of weeks. This will provide an opportunity for the ground movements during and immediately after the installation of the retaining walls to be measured and the data acquired can be fed back into the design and compared with the predicted values. Such a comparison will allow the ground model to be reviewed and the predicted wall movements to be reassessed prior to the main excavation taking place, so that propping arrangements can be adjusted if required.

We trust the above provides sufficient information for your present requirements, however but please do not hesitate to contact us if you have any questions or require further clarification.

Yours sincerely

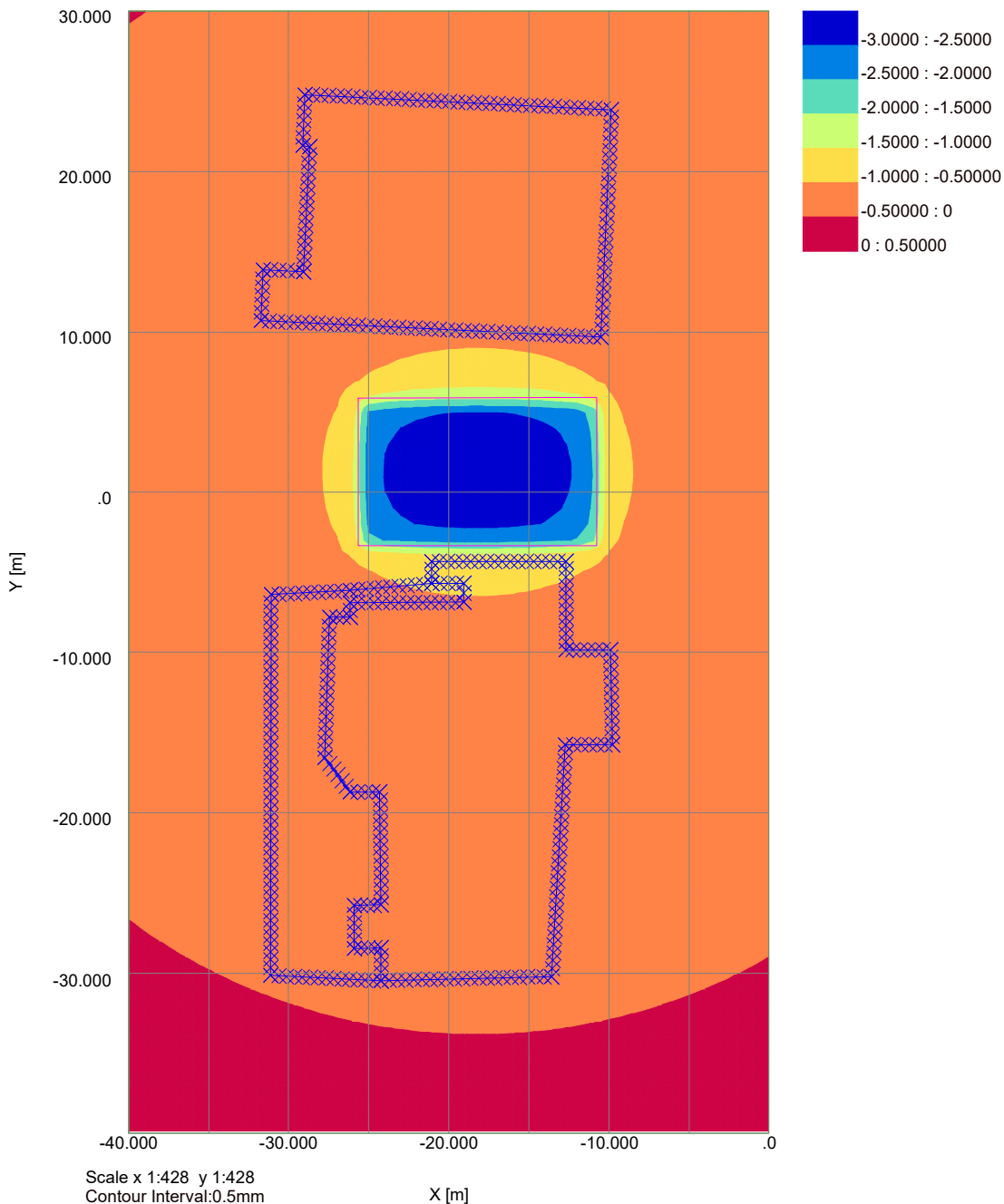
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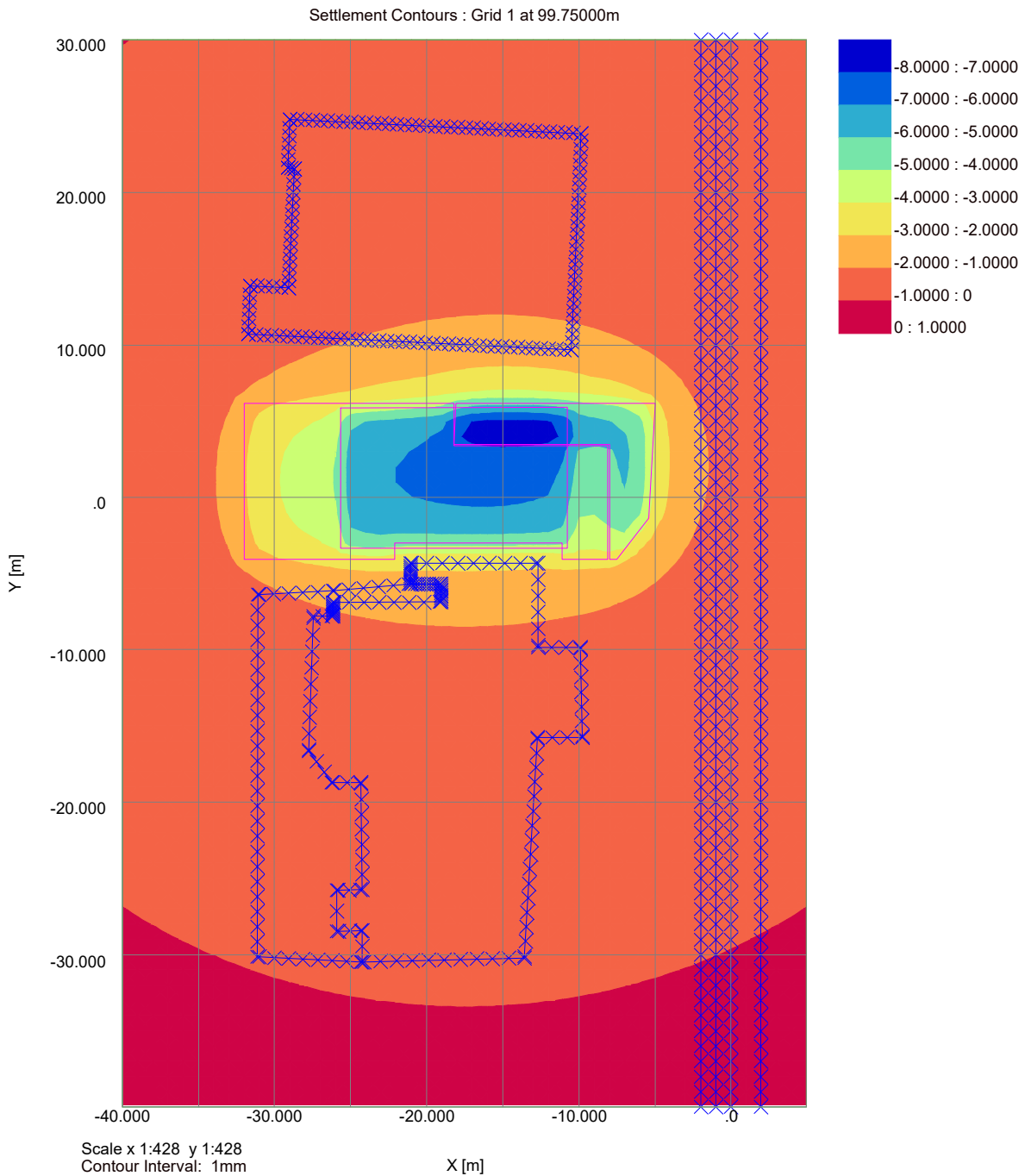


Alex Taylor

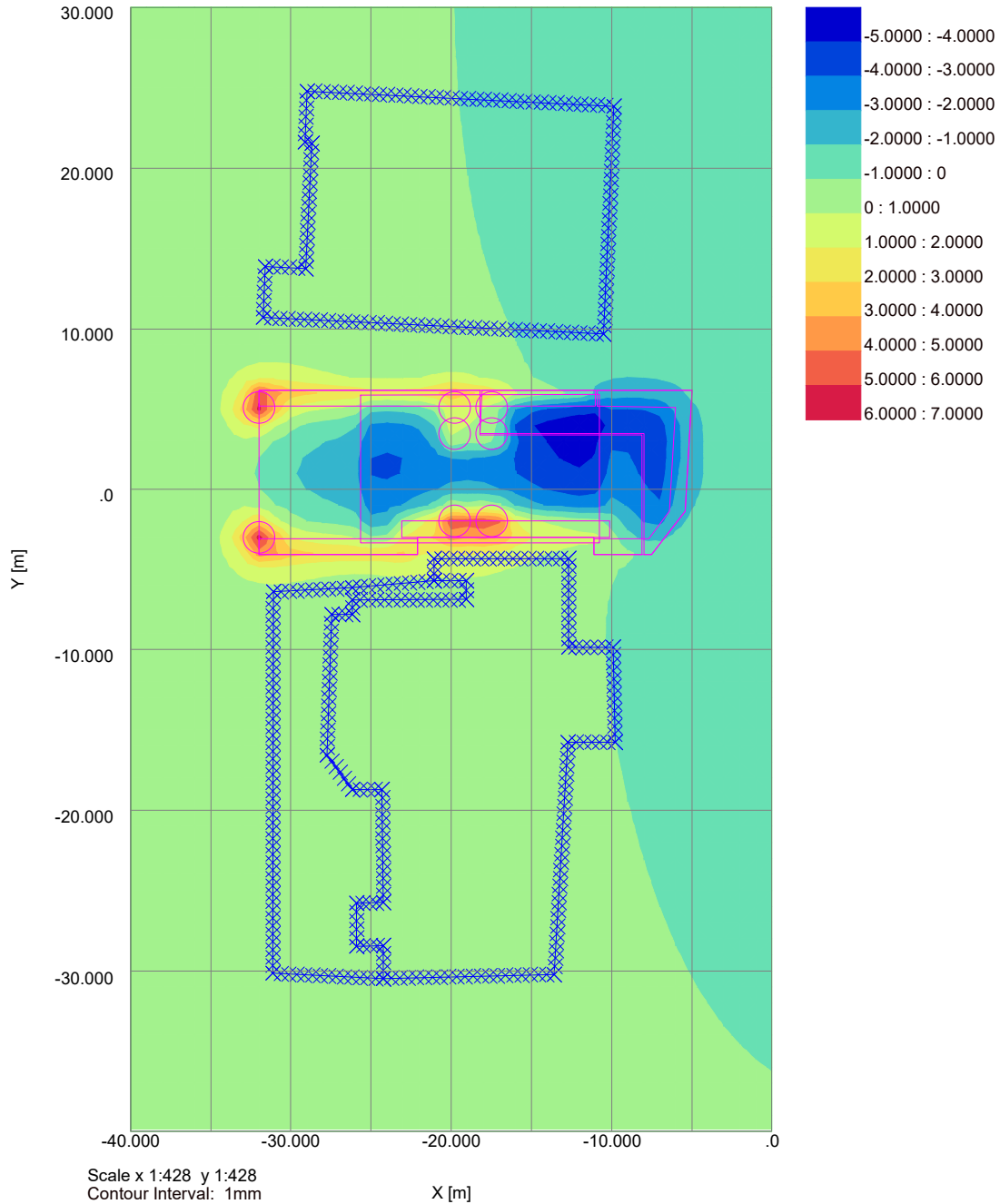
9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Overall Term

Settlement Contours : Grid 1 at 99.75000m



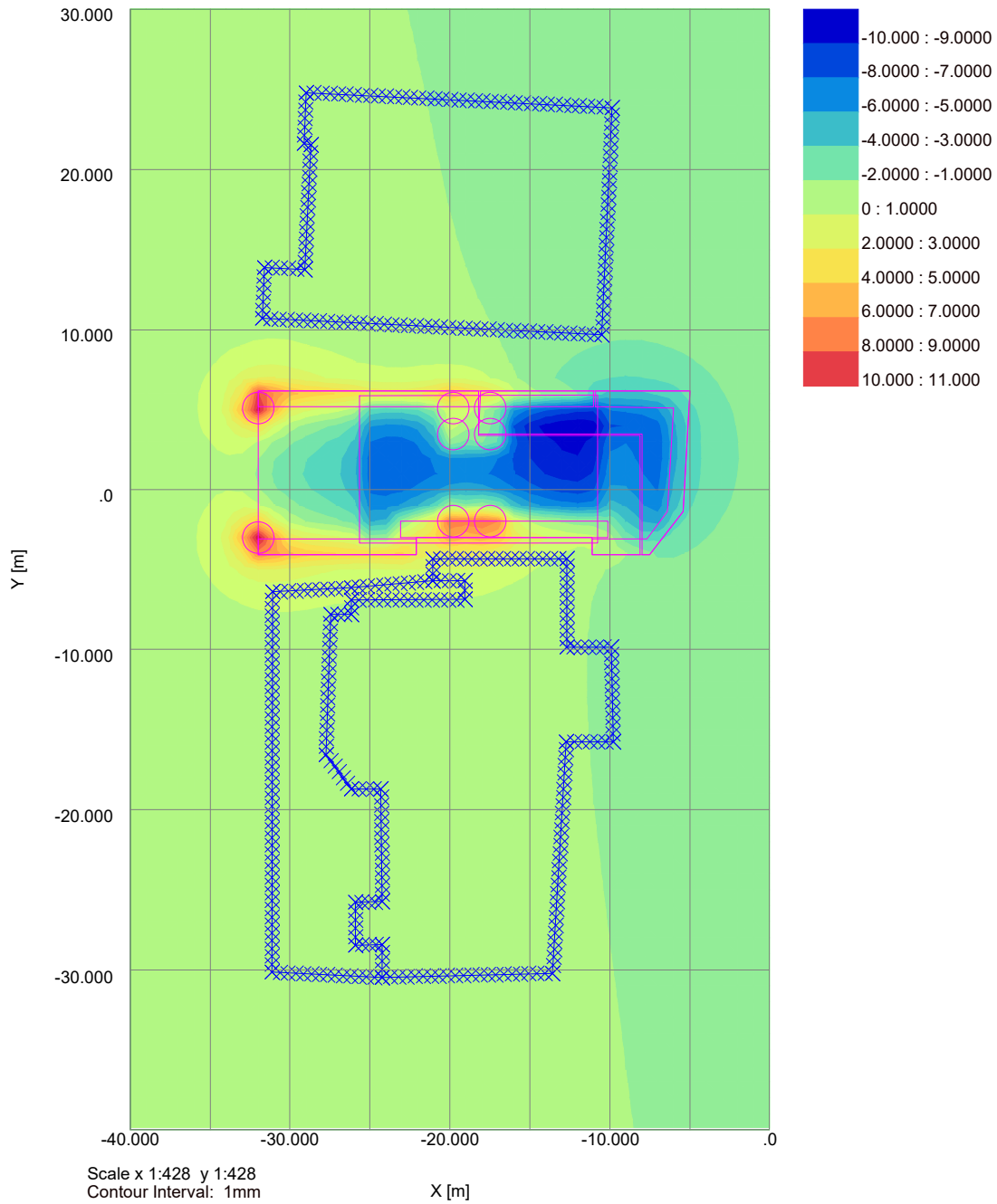


Settlement Contours : Grid 1 at 99.75000m

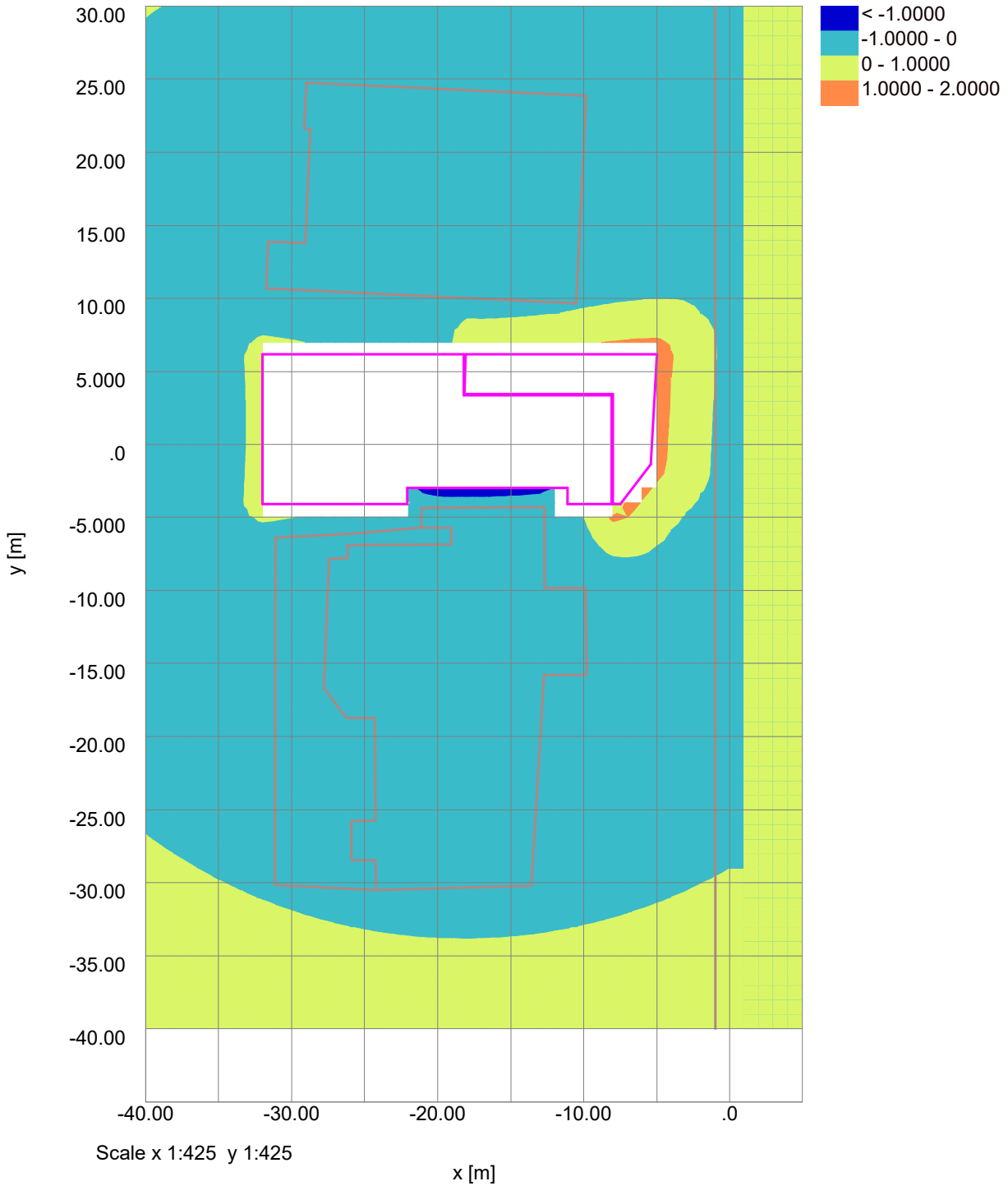


9 Lyndhurst Terrace, London
Ground Movement Assessment
Overall Term

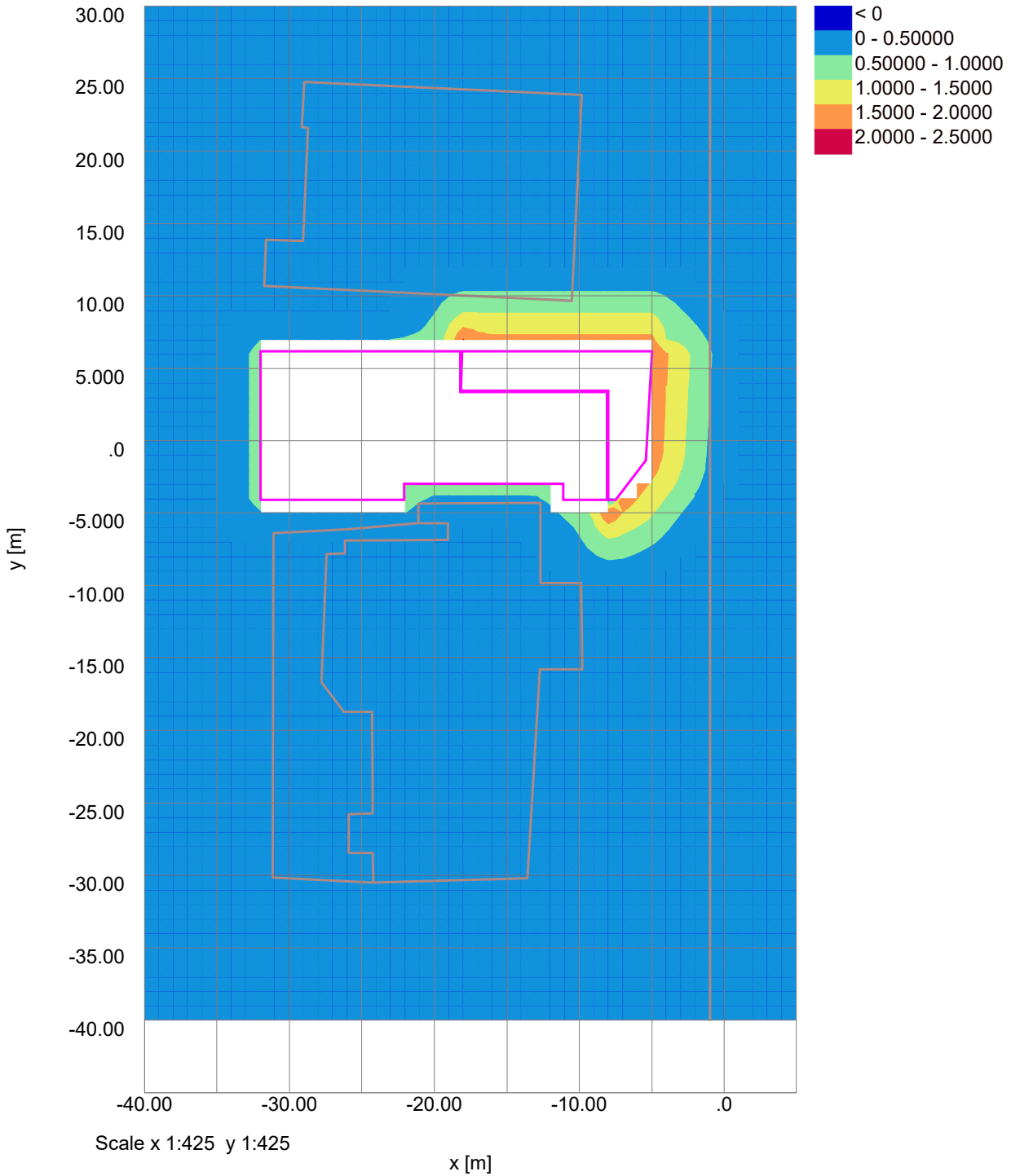
Settlement Contours : Grid 1 at 99.75000m



Vertical Settlement Contours: Grid 1 (level 99.750m) (Interval 1mm)



Horizontal Displacement Contours: Grid 1 (level 99.750m) Interval 0.5mm





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Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Titles

Job No.: J20089
 Job Title: 9 Lyndhurst Terrace, London
 Sub-title: Ground Movement Assessment
 Calculation Heading: Stage 1 - Short Term - Demolition
 Initials: AT
 Checker:
 Date Saved: 30-Aug-2023
 Date Checked:
 Notes:
 File Name: XDisp - Stage 1 - Demo and Wall Install.xdd
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History

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Displacement Lines

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imported									
displacements									
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No	Yes								
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

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27	No 7 LG - Line 19	-19.04700	-6.88400	96.40000	-19.04700	-5.70000	96.40000	10	Surface
No	Yes								
28	No 7 LG - Line 20	-19.14700	-5.70000	96.40000	-20.99000	-5.70000	96.40000	10	Surface
No	Yes								
29	No 7 LG - Line 21	-21.09000	-5.70000	96.40000	-21.09000	-4.35700	96.40000	10	Surface
No	Yes								
30	No 7 LG - Line 22	-24.32700	-30.49200	96.40000	-31.01900	-30.15700	96.40000	7	Surface
No	Yes								
31	No 7 LG - Line 23	-31.11900	-30.15700	96.40000	-31.10100	-6.41700	96.40000	24	Surface
No	Yes								
32	No 7 LG - Line 24	-31.00100	-6.41700	96.40000	-26.18300	-6.12800	96.40000	5	Surface
No	Yes								
33	No 7 LG - Line 25	-26.08300	-6.12800	96.40000	-21.19000	-5.70000	96.40000	5	Surface
No	Yes								
34	Thames Water Asset	2.00000	-40.00000	98.75000	2.00000	30.00000	98.75000	70	Surface
No	Yes								
35	Lyndhurst Terrace Curb Line	-1.00000	-40.00000	99.25000	-1.00000	30.00000	99.25000	70	Surface
No	Yes								
36	Cadent Gas Asset	0.00000	-40.00000	98.75000	0.00000	30.00000	98.75000	70	Surface
No	Yes								
37	UKPN Asset	-2.00000	-40.00000	98.75000	-2.00000	30.00000	98.75000	70	Surface
No	Yes								

Displacement Grids

Ref.	Name	Extrusion:	Base line	Base line	Base	Base	Base	Base	Base	Extrusion:	Extrusion:
Surface	Calculate	Direction	start: X	start: Y	line	line	line	line	line:	Distance	Intervals
type											
for			start:	end:	end: Y	end:	Intervals				
tunnels			Z (level)	X	Z (level)						
			[m]	[m]	[m]	[m]	[m]	[No.]	[m]	[No.]	
1	Grid 1	Global X	-40.00000	-40.00000	99.75000	-	30.00000	99.75000	70	45.00000	45
Surface	Yes										



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Ref.	Name	Extrusion: Surface	Base line Calculate	Base line	Base line	Base line	Base line	Base line	Base line	Extrusion: Distance	Extrusion: Intervals
type	Direction	start: X	start: Y	line	line	line	line	line	line		

Imported Displacements

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]
1	PDisp - Stage 1 - Demolition.pdd - Immediate	1	-40.00000	-40.00000	99.75000	0.00000
0.00000	0.00807	1				
0.00000	0.00794	2	-39.00000	-40.00000	99.75000	0.00000
0.00000	0.00780	3	-38.00000	-40.00000	99.75000	0.00000
0.00000	0.00767	4	-37.00000	-40.00000	99.75000	0.00000
0.00000	0.00753	5	-36.00000	-40.00000	99.75000	0.00000
0.00000	0.00739	6	-35.00000	-40.00000	99.75000	0.00000
0.00000	0.00725	7	-34.00000	-40.00000	99.75000	0.00000
0.00000	0.00711	8	-33.00000	-40.00000	99.75000	0.00000
0.00000	0.00697	9	-32.00000	-40.00000	99.75000	0.00000
0.00000	0.00683	10	-31.00000	-40.00000	99.75000	0.00000
0.00000	0.00670	11	-30.00000	-40.00000	99.75000	0.00000
0.00000	0.00657	12	-29.00000	-40.00000	99.75000	0.00000
0.00000	0.00645	13	-28.00000	-40.00000	99.75000	0.00000
0.00000	0.00634	14	-27.00000	-40.00000	99.75000	0.00000
0.00000	0.00624	15	-26.00000	-40.00000	99.75000	0.00000
0.00000	0.00614	16	-25.00000	-40.00000	99.75000	0.00000
0.00000	0.00606	17	-24.00000	-40.00000	99.75000	0.00000
0.00000	0.00599	18	-23.00000	-40.00000	99.75000	0.00000
0.00000	0.00593	19	-22.00000	-40.00000	99.75000	0.00000
0.00000	0.00588	20	-21.00000	-40.00000	99.75000	0.00000
0.00000	0.00585	21	-20.00000	-40.00000	99.75000	0.00000
0.00000	0.00583	22	-19.00000	-40.00000	99.75000	0.00000
0.00000	0.00583	23	-18.00000	-40.00000	99.75000	0.00000
0.00000	0.00584	24	-17.00000	-40.00000	99.75000	0.00000
0.00000	0.00586	25	-16.00000	-40.00000	99.75000	0.00000
0.00000	0.00590	26	-15.00000	-40.00000	99.75000	0.00000
0.00000	0.00595	27	-14.00000	-40.00000	99.75000	0.00000
0.00000	0.00602	28	-13.00000	-40.00000	99.75000	0.00000
0.00000	0.00609	29	-12.00000	-40.00000	99.75000	0.00000
0.00000	0.00618	30	-11.00000	-40.00000	99.75000	0.00000
0.00000	0.00628	31	-10.00000	-40.00000	99.75000	0.00000
0.00000	0.00639	32	-9.00000	-40.00000	99.75000	0.00000
0.00000	0.00650	33	-8.00000	-40.00000	99.75000	0.00000
		34	-7.00000	-40.00000	99.75000	0.00000



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	0.00663	1				
		35	-6.00000	-40.00000	99.75000	0.00000
0.00000	0.00676	1				
		36	-5.00000	-40.00000	99.75000	0.00000
0.00000	0.00689	1				
		37	-4.00000	-40.00000	99.75000	0.00000
0.00000	0.00703	1				
		38	-3.00000	-40.00000	99.75000	0.00000
0.00000	0.00717	1				
		39	-2.00000	-40.00000	99.75000	0.00000
0.00000	0.00731	1				
		40	-1.00000	-40.00000	99.75000	0.00000
0.00000	0.00745	1				
		41	0.00000	-40.00000	99.75000	0.00000
0.00000	0.00759	1				
		42	-40.00000	-39.00000	99.75000	0.00000
0.00000	0.00780	1				
		43	-39.00000	-39.00000	99.75000	0.00000
0.00000	0.00765	1				
		44	-38.00000	-39.00000	99.75000	0.00000
0.00000	0.00749	1				
		45	-37.00000	-39.00000	99.75000	0.00000
0.00000	0.00733	1				
		46	-36.00000	-39.00000	99.75000	0.00000
0.00000	0.00716	1				
		47	-35.00000	-39.00000	99.75000	0.00000
0.00000	0.00700	1				
		48	-34.00000	-39.00000	99.75000	0.00000
0.00000	0.00683	1				
		49	-33.00000	-39.00000	99.75000	0.00000
0.00000	0.00667	1				
		50	-32.00000	-39.00000	99.75000	0.00000
0.00000	0.00651	1				
		51	-31.00000	-39.00000	99.75000	0.00000
0.00000	0.00635	1				
		52	-30.00000	-39.00000	99.75000	0.00000
0.00000	0.00619	1				
		53	-29.00000	-39.00000	99.75000	0.00000
0.00000	0.00604	1				
		54	-28.00000	-39.00000	99.75000	0.00000
0.00000	0.00590	1				
		55	-27.00000	-39.00000	99.75000	0.00000
0.00000	0.00577	1				
		56	-26.00000	-39.00000	99.75000	0.00000
0.00000	0.00565	1				
		57	-25.00000	-39.00000	99.75000	0.00000
0.00000	0.00554	1				
		58	-24.00000	-39.00000	99.75000	0.00000
0.00000	0.00544	1				
		59	-23.00000	-39.00000	99.75000	0.00000
0.00000	0.00536	1				
		60	-22.00000	-39.00000	99.75000	0.00000
0.00000	0.00529	1				
		61	-21.00000	-39.00000	99.75000	0.00000
0.00000	0.00523	1				
		62	-20.00000	-39.00000	99.75000	0.00000
0.00000	0.00520	1				
		63	-19.00000	-39.00000	99.75000	0.00000
0.00000	0.00517	1				
		64	-18.00000	-39.00000	99.75000	0.00000
0.00000	0.00517	1				
		65	-17.00000	-39.00000	99.75000	0.00000
0.00000	0.00518	1				
		66	-16.00000	-39.00000	99.75000	0.00000
0.00000	0.00521	1				
		67	-15.00000	-39.00000	99.75000	0.00000
0.00000	0.00525	1				
		68	-14.00000	-39.00000	99.75000	0.00000
0.00000	0.00532	1				
		69	-13.00000	-39.00000	99.75000	0.00000
0.00000	0.00539	1				
		70	-12.00000	-39.00000	99.75000	0.00000
0.00000	0.00548	1				
		71	-11.00000	-39.00000	99.75000	0.00000
0.00000	0.00558	1				
		72	-10.00000	-39.00000	99.75000	0.00000
0.00000	0.00570	1				



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Set: Displacements: Ref. y	Set: Displacements: Name z	Set: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
0.00000	0.00582	1	73	-9.00000	-39.00000	99.75000	0.00000
0.00000	0.00596	1	74	-8.00000	-39.00000	99.75000	0.00000
0.00000	0.00610	1	75	-7.00000	-39.00000	99.75000	0.00000
0.00000	0.00626	1	76	-6.00000	-39.00000	99.75000	0.00000
0.00000	0.00641	1	77	-5.00000	-39.00000	99.75000	0.00000
0.00000	0.00657	1	78	-4.00000	-39.00000	99.75000	0.00000
0.00000	0.00674	1	79	-3.00000	-39.00000	99.75000	0.00000
0.00000	0.00690	1	80	-2.00000	-39.00000	99.75000	0.00000
0.00000	0.00707	1	81	-1.00000	-39.00000	99.75000	0.00000
0.00000	0.00723	1	82	0.00000	-39.00000	99.75000	0.00000
0.00000	0.00749	1	83	-40.00000	-38.00000	99.75000	0.00000
0.00000	0.00731	1	84	-39.00000	-38.00000	99.75000	0.00000
0.00000	0.00713	1	85	-38.00000	-38.00000	99.75000	0.00000
0.00000	0.00694	1	86	-37.00000	-38.00000	99.75000	0.00000
0.00000	0.00675	1	87	-36.00000	-38.00000	99.75000	0.00000
0.00000	0.00655	1	88	-35.00000	-38.00000	99.75000	0.00000
0.00000	0.00636	1	89	-34.00000	-38.00000	99.75000	0.00000
0.00000	0.00617	1	90	-33.00000	-38.00000	99.75000	0.00000
0.00000	0.00598	1	91	-32.00000	-38.00000	99.75000	0.00000
0.00000	0.00579	1	92	-31.00000	-38.00000	99.75000	0.00000
0.00000	0.00561	1	93	-30.00000	-38.00000	99.75000	0.00000
0.00000	0.00544	1	94	-29.00000	-38.00000	99.75000	0.00000
0.00000	0.00527	1	95	-28.00000	-38.00000	99.75000	0.00000
0.00000	0.00512	1	96	-27.00000	-38.00000	99.75000	0.00000
0.00000	0.00498	1	97	-26.00000	-38.00000	99.75000	0.00000
0.00000	0.00485	1	98	-25.00000	-38.00000	99.75000	0.00000
0.00000	0.00473	1	99	-24.00000	-38.00000	99.75000	0.00000
0.00000	0.00464	1	100	-23.00000	-38.00000	99.75000	0.00000
0.00000	0.00455	1	101	-22.00000	-38.00000	99.75000	0.00000
0.00000	0.00449	1	102	-21.00000	-38.00000	99.75000	0.00000
0.00000	0.00445	1	103	-20.00000	-38.00000	99.75000	0.00000
0.00000	0.00442	1	104	-19.00000	-38.00000	99.75000	0.00000
0.00000	0.00442	1	105	-18.00000	-38.00000	99.75000	0.00000
0.00000	0.00443	1	106	-17.00000	-38.00000	99.75000	0.00000
0.00000	0.00446	1	107	-16.00000	-38.00000	99.75000	0.00000
0.00000	0.00452	1	108	-15.00000	-38.00000	99.75000	0.00000
0.00000	0.00459	1	109	-14.00000	-38.00000	99.75000	0.00000
0.00000	0.00467	1	110	-13.00000	-38.00000	99.75000	0.00000
			111	-12.00000	-38.00000	99.75000	0.00000



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Set: Displacements:	Set: Displacements:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	0.00478	1				
		112	-11.00000	-38.00000	99.75000	0.00000
0.00000	0.00490	1				
		113	-10.00000	-38.00000	99.75000	0.00000
0.00000	0.00503	1				
		114	-9.00000	-38.00000	99.75000	0.00000
0.00000	0.00518	1				
		115	-8.00000	-38.00000	99.75000	0.00000
0.00000	0.00534	1				
		116	-7.00000	-38.00000	99.75000	0.00000
0.00000	0.00551	1				
		117	-6.00000	-38.00000	99.75000	0.00000
0.00000	0.00569	1				
		118	-5.00000	-38.00000	99.75000	0.00000
0.00000	0.00587	1				
		119	-4.00000	-38.00000	99.75000	0.00000
0.00000	0.00606	1				
		120	-3.00000	-38.00000	99.75000	0.00000
0.00000	0.00625	1				
		121	-2.00000	-38.00000	99.75000	0.00000
0.00000	0.00644	1				
		122	-1.00000	-38.00000	99.75000	0.00000
0.00000	0.00664	1				
		123	0.00000	-38.00000	99.75000	0.00000
0.00000	0.00683	1				
		124	-40.00000	-37.00000	99.75000	0.00000
0.00000	0.00714	1				
		125	-39.00000	-37.00000	99.75000	0.00000
0.00000	0.00693	1				
		126	-38.00000	-37.00000	99.75000	0.00000
0.00000	0.00671	1				
		127	-37.00000	-37.00000	99.75000	0.00000
0.00000	0.00650	1				
		128	-36.00000	-37.00000	99.75000	0.00000
0.00000	0.00627	1				
		129	-35.00000	-37.00000	99.75000	0.00000
0.00000	0.00605	1				
		130	-34.00000	-37.00000	99.75000	0.00000
0.00000	0.00582	1				
		131	-33.00000	-37.00000	99.75000	0.00000
0.00000	0.00560	1				
		132	-32.00000	-37.00000	99.75000	0.00000
0.00000	0.00538	1				
		133	-31.00000	-37.00000	99.75000	0.00000
0.00000	0.00516	1				
		134	-30.00000	-37.00000	99.75000	0.00000
0.00000	0.00495	1				
		135	-29.00000	-37.00000	99.75000	0.00000
0.00000	0.00475	1				
		136	-28.00000	-37.00000	99.75000	0.00000
0.00000	0.00456	1				
		137	-27.00000	-37.00000	99.75000	0.00000
0.00000	0.00438	1				
		138	-26.00000	-37.00000	99.75000	0.00000
0.00000	0.00421	1				
		139	-25.00000	-37.00000	99.75000	0.00000
0.00000	0.00406	1				
		140	-24.00000	-37.00000	99.75000	0.00000
0.00000	0.00393	1				
		141	-23.00000	-37.00000	99.75000	0.00000
0.00000	0.00381	1				
		142	-22.00000	-37.00000	99.75000	0.00000
0.00000	0.00372	1				
		143	-21.00000	-37.00000	99.75000	0.00000
0.00000	0.00365	1				
		144	-20.00000	-37.00000	99.75000	0.00000
0.00000	0.00360	1				
		145	-19.00000	-37.00000	99.75000	0.00000
0.00000	0.00357	1				
		146	-18.00000	-37.00000	99.75000	0.00000
0.00000	0.00356	1				
		147	-17.00000	-37.00000	99.75000	0.00000
0.00000	0.00358	1				
		148	-16.00000	-37.00000	99.75000	0.00000
0.00000	0.00361	1				
		149	-15.00000	-37.00000	99.75000	0.00000
0.00000	0.00368	1				



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	0.00376	1	150	-14.00000	-37.00000	99.75000	0.00000
0.00000	0.00386	1	151	-13.00000	-37.00000	99.75000	0.00000
0.00000	0.00398	1	152	-12.00000	-37.00000	99.75000	0.00000
0.00000	0.00412	1	153	-11.00000	-37.00000	99.75000	0.00000
0.00000	0.00428	1	154	-10.00000	-37.00000	99.75000	0.00000
0.00000	0.00445	1	155	-9.00000	-37.00000	99.75000	0.00000
0.00000	0.00464	1	156	-8.00000	-37.00000	99.75000	0.00000
0.00000	0.00483	1	157	-7.00000	-37.00000	99.75000	0.00000
0.00000	0.00504	1	158	-6.00000	-37.00000	99.75000	0.00000
0.00000	0.00525	1	159	-5.00000	-37.00000	99.75000	0.00000
0.00000	0.00547	1	160	-4.00000	-37.00000	99.75000	0.00000
0.00000	0.00569	1	161	-3.00000	-37.00000	99.75000	0.00000
0.00000	0.00592	1	162	-2.00000	-37.00000	99.75000	0.00000
0.00000	0.00614	1	163	-1.00000	-37.00000	99.75000	0.00000
0.00000	0.00637	1	164	0.00000	-37.00000	99.75000	0.00000
0.00000	0.00674	1	165	-40.00000	-36.00000	99.75000	0.00000
0.00000	0.00650	1	166	-39.00000	-36.00000	99.75000	0.00000
0.00000	0.00625	1	167	-38.00000	-36.00000	99.75000	0.00000
0.00000	0.00600	1	168	-37.00000	-36.00000	99.75000	0.00000
0.00000	0.00574	1	169	-36.00000	-36.00000	99.75000	0.00000
0.00000	0.00548	1	170	-35.00000	-36.00000	99.75000	0.00000
0.00000	0.00521	1	171	-34.00000	-36.00000	99.75000	0.00000
0.00000	0.00495	1	172	-33.00000	-36.00000	99.75000	0.00000
0.00000	0.00470	1	173	-32.00000	-36.00000	99.75000	0.00000
0.00000	0.00445	1	174	-31.00000	-36.00000	99.75000	0.00000
0.00000	0.00420	1	175	-30.00000	-36.00000	99.75000	0.00000
0.00000	0.00397	1	176	-29.00000	-36.00000	99.75000	0.00000
0.00000	0.00374	1	177	-28.00000	-36.00000	99.75000	0.00000
0.00000	0.00354	1	178	-27.00000	-36.00000	99.75000	0.00000
0.00000	0.00334	1	179	-26.00000	-36.00000	99.75000	0.00000
0.00000	0.00317	1	180	-25.00000	-36.00000	99.75000	0.00000
0.00000	0.00301	1	181	-24.00000	-36.00000	99.75000	0.00000
0.00000	0.00288	1	182	-23.00000	-36.00000	99.75000	0.00000
0.00000	0.00277	1	183	-22.00000	-36.00000	99.75000	0.00000
0.00000	0.00269	1	184	-21.00000	-36.00000	99.75000	0.00000
0.00000	0.00263	1	185	-20.00000	-36.00000	99.75000	0.00000
0.00000	0.00259	1	186	-19.00000	-36.00000	99.75000	0.00000
0.00000	0.00258	1	187	-18.00000	-36.00000	99.75000	0.00000
			188	-17.00000	-36.00000	99.75000	0.00000



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	0.00260	1				
		189	-16.00000	-36.00000	99.75000	0.00000
0.00000	0.00265	1				
		190	-15.00000	-36.00000	99.75000	0.00000
0.00000	0.00272	1				
		191	-14.00000	-36.00000	99.75000	0.00000
0.00000	0.00281	1				
		192	-13.00000	-36.00000	99.75000	0.00000
0.00000	0.00293	1				
		193	-12.00000	-36.00000	99.75000	0.00000
0.00000	0.00308	1				
		194	-11.00000	-36.00000	99.75000	0.00000
0.00000	0.00324	1				
		195	-10.00000	-36.00000	99.75000	0.00000
0.00000	0.00342	1				
		196	-9.00000	-36.00000	99.75000	0.00000
0.00000	0.00362	1				
		197	-8.00000	-36.00000	99.75000	0.00000
0.00000	0.00384	1				
		198	-7.00000	-36.00000	99.75000	0.00000
0.00000	0.00406	1				
		199	-6.00000	-36.00000	99.75000	0.00000
0.00000	0.00430	1				
		200	-5.00000	-36.00000	99.75000	0.00000
0.00000	0.00455	1				
		201	-4.00000	-36.00000	99.75000	0.00000
0.00000	0.00481	1				
		202	-3.00000	-36.00000	99.75000	0.00000
0.00000	0.00506	1				
		203	-2.00000	-36.00000	99.75000	0.00000
0.00000	0.00533	1				
		204	-1.00000	-36.00000	99.75000	0.00000
0.00000	0.00559	1				
		205	0.00000	-36.00000	99.75000	0.00000
0.00000	0.00585	1				
		206	-40.00000	-35.00000	99.75000	0.00000
0.00000	0.00629	1				
		207	-39.00000	-35.00000	99.75000	0.00000
0.00000	0.00601	1				
		208	-38.00000	-35.00000	99.75000	0.00000
0.00000	0.00572	1				
		209	-37.00000	-35.00000	99.75000	0.00000
0.00000	0.00543	1				
		210	-36.00000	-35.00000	99.75000	0.00000
0.00000	0.00513	1				
		211	-35.00000	-35.00000	99.75000	0.00000
0.00000	0.00483	1				
		212	-34.00000	-35.00000	99.75000	0.00000
0.00000	0.00453	1				
		213	-33.00000	-35.00000	99.75000	0.00000
0.00000	0.00423	1				
		214	-32.00000	-35.00000	99.75000	0.00000
0.00000	0.00393	1				
		215	-31.00000	-35.00000	99.75000	0.00000
0.00000	0.00364	1				
		216	-30.00000	-35.00000	99.75000	0.00000
0.00000	0.00336	1				
		217	-29.00000	-35.00000	99.75000	0.00000
0.00000	0.00308	1				
		218	-28.00000	-35.00000	99.75000	0.00000
0.00000	0.00282	1				
		219	-27.00000	-35.00000	99.75000	0.00000
0.00000	0.00258	1				
		220	-26.00000	-35.00000	99.75000	0.00000
0.00000	0.00236	1				
		221	-25.00000	-35.00000	99.75000	0.00000
0.00000	0.00216	1				
		222	-24.00000	-35.00000	99.75000	0.00000
0.00000	0.00198	1				
		223	-23.00000	-35.00000	99.75000	0.00000
0.00000	0.00182	1				
		224	-22.00000	-35.00000	99.75000	0.00000
0.00000	0.00169	1				
		225	-21.00000	-35.00000	99.75000	0.00000
0.00000	0.00160	1				
		226	-20.00000	-35.00000	99.75000	0.00000
0.00000	0.00153	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	0.00149	1	227	-19.00000	-35.00000	99.75000	0.00000
0.00000	0.00148	1	228	-18.00000	-35.00000	99.75000	0.00000
0.00000	0.00150	1	229	-17.00000	-35.00000	99.75000	0.00000
0.00000	0.00155	1	230	-16.00000	-35.00000	99.75000	0.00000
0.00000	0.00163	1	231	-15.00000	-35.00000	99.75000	0.00000
0.00000	0.00175	1	232	-14.00000	-35.00000	99.75000	0.00000
0.00000	0.00188	1	233	-13.00000	-35.00000	99.75000	0.00000
0.00000	0.00205	1	234	-12.00000	-35.00000	99.75000	0.00000
0.00000	0.00224	1	235	-11.00000	-35.00000	99.75000	0.00000
0.00000	0.00245	1	236	-10.00000	-35.00000	99.75000	0.00000
0.00000	0.00268	1	237	-9.00000	-35.00000	99.75000	0.00000
0.00000	0.00293	1	238	-8.00000	-35.00000	99.75000	0.00000
0.00000	0.00320	1	239	-7.00000	-35.00000	99.75000	0.00000
0.00000	0.00347	1	240	-6.00000	-35.00000	99.75000	0.00000
0.00000	0.00376	1	241	-5.00000	-35.00000	99.75000	0.00000
0.00000	0.00406	1	242	-4.00000	-35.00000	99.75000	0.00000
0.00000	0.00436	1	243	-3.00000	-35.00000	99.75000	0.00000
0.00000	0.00466	1	244	-2.00000	-35.00000	99.75000	0.00000
0.00000	0.00496	1	245	-1.00000	-35.00000	99.75000	0.00000
0.00000	0.00526	1	246	0.00000	-35.00000	99.75000	0.00000
0.00000	0.00578	1	247	-40.00000	-34.00000	99.75000	0.00000
0.00000	0.00546	1	248	-39.00000	-34.00000	99.75000	0.00000
0.00000	0.00513	1	249	-38.00000	-34.00000	99.75000	0.00000
0.00000	0.00480	1	250	-37.00000	-34.00000	99.75000	0.00000
0.00000	0.00445	1	251	-36.00000	-34.00000	99.75000	0.00000
0.00000	0.00411	1	252	-35.00000	-34.00000	99.75000	0.00000
0.00000	0.00376	1	253	-34.00000	-34.00000	99.75000	0.00000
0.00000	0.00341	1	254	-33.00000	-34.00000	99.75000	0.00000
0.00000	0.00307	1	255	-32.00000	-34.00000	99.75000	0.00000
0.00000	0.00273	1	256	-31.00000	-34.00000	99.75000	0.00000
0.00000	0.00240	1	257	-30.00000	-34.00000	99.75000	0.00000
0.00000	0.00209	1	258	-29.00000	-34.00000	99.75000	0.00000
0.00000	0.00179	1	259	-28.00000	-34.00000	99.75000	0.00000
0.00000	0.00151	1	260	-27.00000	-34.00000	99.75000	0.00000
0.00000	0.00125	1	261	-26.00000	-34.00000	99.75000	0.00000
0.00000	0.00101	1	262	-25.00000	-34.00000	99.75000	0.00000
0.00000	0.00080	1	263	-24.00000	-34.00000	99.75000	0.00000
0.00000	0.00062	1	264	-23.00000	-34.00000	99.75000	0.00000
			265	-22.00000	-34.00000	99.75000	0.00000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	0.00048	1				
		266	-21.00000	-34.00000	99.75000	0.00000
0.00000	0.00036	1				
		267	-20.00000	-34.00000	99.75000	0.00000
0.00000	0.00028	1				
		268	-19.00000	-34.00000	99.75000	0.00000
0.00000	0.00023	1				
		269	-18.00000	-34.00000	99.75000	0.00000
0.00000	0.00022	1				
		270	-17.00000	-34.00000	99.75000	0.00000
0.00000	0.00025	1				
		271	-16.00000	-34.00000	99.75000	0.00000
0.00000	0.00031	1				
		272	-15.00000	-34.00000	99.75000	0.00000
0.00000	0.00041	1				
		273	-14.00000	-34.00000	99.75000	0.00000
0.00000	0.00053	1				
		274	-13.00000	-34.00000	99.75000	0.00000
0.00000	0.00070	1				
		275	-12.00000	-34.00000	99.75000	0.00000
0.00000	0.00089	1				
		276	-11.00000	-34.00000	99.75000	0.00000
0.00000	0.00111	1				
		277	-10.00000	-34.00000	99.75000	0.00000
0.00000	0.00135	1				
		278	-9.00000	-34.00000	99.75000	0.00000
0.00000	0.00162	1				
		279	-8.00000	-34.00000	99.75000	0.00000
0.00000	0.00191	1				
		280	-7.00000	-34.00000	99.75000	0.00000
0.00000	0.00222	1				
		281	-6.00000	-34.00000	99.75000	0.00000
0.00000	0.00254	1				
		282	-5.00000	-34.00000	99.75000	0.00000
0.00000	0.00287	1				
		283	-4.00000	-34.00000	99.75000	0.00000
0.00000	0.00321	1				
		284	-3.00000	-34.00000	99.75000	0.00000
0.00000	0.00356	1				
		285	-2.00000	-34.00000	99.75000	0.00000
0.00000	0.00391	1				
		286	-1.00000	-34.00000	99.75000	0.00000
0.00000	0.00425	1				
		287	0.00000	-34.00000	99.75000	0.00000
0.00000	0.00460	1				
		288	-40.00000	-33.00000	99.75000	0.00000
0.00000	0.00522	1				
		289	-39.00000	-33.00000	99.75000	0.00000
0.00000	0.00485	1				
		290	-38.00000	-33.00000	99.75000	0.00000
0.00000	0.00448	1				
		291	-37.00000	-33.00000	99.75000	0.00000
0.00000	0.00409	1				
		292	-36.00000	-33.00000	99.75000	0.00000
0.00000	0.00369	1				
		293	-35.00000	-33.00000	99.75000	0.00000
0.00000	0.00329	1				
		294	-34.00000	-33.00000	99.75000	0.00000
0.00000	0.00289	1				
		295	-33.00000	-33.00000	99.75000	0.00000
0.00000	0.00249	1				
		296	-32.00000	-33.00000	99.75000	0.00000
0.00000	0.00210	1				
		297	-31.00000	-33.00000	99.75000	0.00000
0.00000	0.00171	1				
		298	-30.00000	-33.00000	99.75000	0.00000
0.00000	0.00133	1				
		299	-29.00000	-33.00000	99.75000	0.00000
0.00000	0.00096	1				
		300	-28.00000	-33.00000	99.75000	0.00000
0.00000	0.00062	1				
		301	-27.00000	-33.00000	99.75000	0.00000
0.00000	0.00029	1				
		302	-26.00000	-33.00000	99.75000	0.00000
0.00000	-0.00001	1				
		303	-25.00000	-33.00000	99.75000	0.00000
0.00000	-0.00028	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.00052	1	304	-24.00000	-33.00000	99.75000	0.00000
0.00000	-0.00073	1	305	-23.00000	-33.00000	99.75000	0.00000
0.00000	-0.00090	1	306	-22.00000	-33.00000	99.75000	0.00000
0.00000	-0.00104	1	307	-21.00000	-33.00000	99.75000	0.00000
0.00000	-0.00113	1	308	-20.00000	-33.00000	99.75000	0.00000
0.00000	-0.00119	1	309	-19.00000	-33.00000	99.75000	0.00000
0.00000	-0.00120	1	310	-18.00000	-33.00000	99.75000	0.00000
0.00000	-0.00117	1	311	-17.00000	-33.00000	99.75000	0.00000
0.00000	-0.00110	1	312	-16.00000	-33.00000	99.75000	0.00000
0.00000	-0.00099	1	313	-15.00000	-33.00000	99.75000	0.00000
0.00000	-0.00084	1	314	-14.00000	-33.00000	99.75000	0.00000
0.00000	-0.00065	1	315	-13.00000	-33.00000	99.75000	0.00000
0.00000	-0.00042	1	316	-12.00000	-33.00000	99.75000	0.00000
0.00000	-0.00017	1	317	-11.00000	-33.00000	99.75000	0.00000
0.00000	0.00012	1	318	-10.00000	-33.00000	99.75000	0.00000
0.00000	0.00043	1	319	-9.00000	-33.00000	99.75000	0.00000
0.00000	0.00076	1	320	-8.00000	-33.00000	99.75000	0.00000
0.00000	0.00112	1	321	-7.00000	-33.00000	99.75000	0.00000
0.00000	0.00149	1	322	-6.00000	-33.00000	99.75000	0.00000
0.00000	0.00187	1	323	-5.00000	-33.00000	99.75000	0.00000
0.00000	0.00226	1	324	-4.00000	-33.00000	99.75000	0.00000
0.00000	0.00266	1	325	-3.00000	-33.00000	99.75000	0.00000
0.00000	0.00306	1	326	-2.00000	-33.00000	99.75000	0.00000
0.00000	0.00346	1	327	-1.00000	-33.00000	99.75000	0.00000
0.00000	0.00386	1	328	0.00000	-33.00000	99.75000	0.00000
0.00000	0.00460	1	329	-40.00000	-32.00000	99.75000	0.00000
0.00000	0.00418	1	330	-39.00000	-32.00000	99.75000	0.00000
0.00000	0.00374	1	331	-38.00000	-32.00000	99.75000	0.00000
0.00000	0.00330	1	332	-37.00000	-32.00000	99.75000	0.00000
0.00000	0.00285	1	333	-36.00000	-32.00000	99.75000	0.00000
0.00000	0.00239	1	334	-35.00000	-32.00000	99.75000	0.00000
0.00000	0.00193	1	335	-34.00000	-32.00000	99.75000	0.00000
0.00000	0.00146	1	336	-33.00000	-32.00000	99.75000	0.00000
0.00000	0.00101	1	337	-32.00000	-32.00000	99.75000	0.00000
0.00000	0.00056	1	338	-31.00000	-32.00000	99.75000	0.00000
0.00000	0.00012	1	339	-30.00000	-32.00000	99.75000	0.00000
0.00000	-0.00030	1	340	-29.00000	-32.00000	99.75000	0.00000
0.00000	-0.00070	1	341	-28.00000	-32.00000	99.75000	0.00000
			342	-27.00000	-32.00000	99.75000	0.00000



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LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.00108	1				
		343	-26.00000	-32.00000	99.75000	0.00000
0.00000	-0.00142	1				
		344	-25.00000	-32.00000	99.75000	0.00000
0.00000	-0.00174	1				
		345	-24.00000	-32.00000	99.75000	0.00000
0.00000	-0.00202	1				
		346	-23.00000	-32.00000	99.75000	0.00000
0.00000	-0.00226	1				
		347	-22.00000	-32.00000	99.75000	0.00000
0.00000	-0.00246	1				
		348	-21.00000	-32.00000	99.75000	0.00000
0.00000	-0.00262	1				
		349	-20.00000	-32.00000	99.75000	0.00000
0.00000	-0.00273	1				
		350	-19.00000	-32.00000	99.75000	0.00000
0.00000	-0.00279	1				
		351	-18.00000	-32.00000	99.75000	0.00000
0.00000	-0.00281	1				
		352	-17.00000	-32.00000	99.75000	0.00000
0.00000	-0.00277	1				
		353	-16.00000	-32.00000	99.75000	0.00000
0.00000	-0.00269	1				
		354	-15.00000	-32.00000	99.75000	0.00000
0.00000	-0.00256	1				
		355	-14.00000	-32.00000	99.75000	0.00000
0.00000	-0.00238	1				
		356	-13.00000	-32.00000	99.75000	0.00000
0.00000	-0.00217	1				
		357	-12.00000	-32.00000	99.75000	0.00000
0.00000	-0.00191	1				
		358	-11.00000	-32.00000	99.75000	0.00000
0.00000	-0.00161	1				
		359	-10.00000	-32.00000	99.75000	0.00000
0.00000	-0.00128	1				
		360	-9.00000	-32.00000	99.75000	0.00000
0.00000	-0.00092	1				
		361	-8.00000	-32.00000	99.75000	0.00000
0.00000	-0.00053	1				
		362	-7.00000	-32.00000	99.75000	0.00000
0.00000	-0.00012	1				
		363	-6.00000	-32.00000	99.75000	0.00000
0.00000	0.00031	1				
		364	-5.00000	-32.00000	99.75000	0.00000
0.00000	0.00075	1				
		365	-4.00000	-32.00000	99.75000	0.00000
0.00000	0.00120	1				
		366	-3.00000	-32.00000	99.75000	0.00000
0.00000	0.00166	1				
		367	-2.00000	-32.00000	99.75000	0.00000
0.00000	0.00212	1				
		368	-1.00000	-32.00000	99.75000	0.00000
0.00000	0.00258	1				
		369	0.00000	-32.00000	99.75000	0.00000
0.00000	0.00304	1				
		370	-40.00000	-31.00000	99.75000	0.00000
0.00000	0.00390	1				
		371	-39.00000	-31.00000	99.75000	0.00000
0.00000	0.00342	1				
		372	-38.00000	-31.00000	99.75000	0.00000
0.00000	0.00293	1				
		373	-37.00000	-31.00000	99.75000	0.00000
0.00000	0.00242	1				
		374	-36.00000	-31.00000	99.75000	0.00000
0.00000	0.00190	1				
		375	-35.00000	-31.00000	99.75000	0.00000
0.00000	0.00137	1				
		376	-34.00000	-31.00000	99.75000	0.00000
0.00000	0.00085	1				
		377	-33.00000	-31.00000	99.75000	0.00000
0.00000	0.00032	1				
		378	-32.00000	-31.00000	99.75000	0.00000
0.00000	-0.00021	1				
		379	-31.00000	-31.00000	99.75000	0.00000
0.00000	-0.00073	1				
		380	-30.00000	-31.00000	99.75000	0.00000
0.00000	-0.00123	1				



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Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.00172	1	381	-29.00000	-31.00000	99.75000
0.00000	-0.00218	1	382	-28.00000	-31.00000	99.75000
0.00000	-0.00262	1	383	-27.00000	-31.00000	99.75000
0.00000	-0.00302	1	384	-26.00000	-31.00000	99.75000
0.00000	-0.00339	1	385	-25.00000	-31.00000	99.75000
0.00000	-0.00371	1	386	-24.00000	-31.00000	99.75000
0.00000	-0.00399	1	387	-23.00000	-31.00000	99.75000
0.00000	-0.00423	1	388	-22.00000	-31.00000	99.75000
0.00000	-0.00441	1	389	-21.00000	-31.00000	99.75000
0.00000	-0.00454	1	390	-20.00000	-31.00000	99.75000
0.00000	-0.00461	1	391	-19.00000	-31.00000	99.75000
0.00000	-0.00462	1	392	-18.00000	-31.00000	99.75000
0.00000	-0.00458	1	393	-17.00000	-31.00000	99.75000
0.00000	-0.00449	1	394	-16.00000	-31.00000	99.75000
0.00000	-0.00434	1	395	-15.00000	-31.00000	99.75000
0.00000	-0.00413	1	396	-14.00000	-31.00000	99.75000
0.00000	-0.00388	1	397	-13.00000	-31.00000	99.75000
0.00000	-0.00358	1	398	-12.00000	-31.00000	99.75000
0.00000	-0.00324	1	399	-11.00000	-31.00000	99.75000
0.00000	-0.00285	1	400	-10.00000	-31.00000	99.75000
0.00000	-0.00244	1	401	-9.00000	-31.00000	99.75000
0.00000	-0.00199	1	402	-8.00000	-31.00000	99.75000
0.00000	-0.00151	1	403	-7.00000	-31.00000	99.75000
0.00000	-0.00102	1	404	-6.00000	-31.00000	99.75000
0.00000	-0.00051	1	405	-5.00000	-31.00000	99.75000
0.00000	0.00001	1	406	-4.00000	-31.00000	99.75000
0.00000	0.00054	1	407	-3.00000	-31.00000	99.75000
0.00000	0.00107	1	408	-2.00000	-31.00000	99.75000
0.00000	0.00160	1	409	-1.00000	-31.00000	99.75000
0.00000	0.00212	1	410	0.00000	-31.00000	99.75000
0.00000	0.00313	1	411	-40.00000	-30.00000	99.75000
0.00000	0.00259	1	412	-39.00000	-30.00000	99.75000
0.00000	0.00202	1	413	-38.00000	-30.00000	99.75000
0.00000	0.00144	1	414	-37.00000	-30.00000	99.75000
0.00000	0.00085	1	415	-36.00000	-30.00000	99.75000
0.00000	0.00025	1	416	-35.00000	-30.00000	99.75000
0.00000	-0.00036	1	417	-34.00000	-30.00000	99.75000
0.00000	-0.00097	1	418	-33.00000	-30.00000	99.75000
			419	-32.00000	-30.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.00157	1				
		420	-31.00000	-30.00000	99.75000	0.00000
0.00000	-0.00217	1				
		421	-30.00000	-30.00000	99.75000	0.00000
0.00000	-0.00275	1				
		422	-29.00000	-30.00000	99.75000	0.00000
0.00000	-0.00331	1				
		423	-28.00000	-30.00000	99.75000	0.00000
0.00000	-0.00385	1				
		424	-27.00000	-30.00000	99.75000	0.00000
0.00000	-0.00435	1				
		425	-26.00000	-30.00000	99.75000	0.00000
0.00000	-0.00482	1				
		426	-25.00000	-30.00000	99.75000	0.00000
0.00000	-0.00524	1				
		427	-24.00000	-30.00000	99.75000	0.00000
0.00000	-0.00562	1				
		428	-23.00000	-30.00000	99.75000	0.00000
0.00000	-0.00595	1				
		429	-22.00000	-30.00000	99.75000	0.00000
0.00000	-0.00622	1				
		430	-21.00000	-30.00000	99.75000	0.00000
0.00000	-0.00643	1				
		431	-20.00000	-30.00000	99.75000	0.00000
0.00000	-0.00658	1				
		432	-19.00000	-30.00000	99.75000	0.00000
0.00000	-0.00666	1				
		433	-18.00000	-30.00000	99.75000	0.00000
0.00000	-0.00668	1				
		434	-17.00000	-30.00000	99.75000	0.00000
0.00000	-0.00664	1				
		435	-16.00000	-30.00000	99.75000	0.00000
0.00000	-0.00652	1				
		436	-15.00000	-30.00000	99.75000	0.00000
0.00000	-0.00635	1				
		437	-14.00000	-30.00000	99.75000	0.00000
0.00000	-0.00611	1				
		438	-13.00000	-30.00000	99.75000	0.00000
0.00000	-0.00582	1				
		439	-12.00000	-30.00000	99.75000	0.00000
0.00000	-0.00547	1				
		440	-11.00000	-30.00000	99.75000	0.00000
0.00000	-0.00507	1				
		441	-10.00000	-30.00000	99.75000	0.00000
0.00000	-0.00462	1				
		442	-9.00000	-30.00000	99.75000	0.00000
0.00000	-0.00414	1				
		443	-8.00000	-30.00000	99.75000	0.00000
0.00000	-0.00362	1				
		444	-7.00000	-30.00000	99.75000	0.00000
0.00000	-0.00307	1				
		445	-6.00000	-30.00000	99.75000	0.00000
0.00000	-0.00250	1				
		446	-5.00000	-30.00000	99.75000	0.00000
0.00000	-0.00192	1				
		447	-4.00000	-30.00000	99.75000	0.00000
0.00000	-0.00132	1				
		448	-3.00000	-30.00000	99.75000	0.00000
0.00000	-0.00071	1				
		449	-2.00000	-30.00000	99.75000	0.00000
0.00000	-0.00010	1				
		450	-1.00000	-30.00000	99.75000	0.00000
0.00000	0.00050	1				
		451	0.00000	-30.00000	99.75000	0.00000
0.00000	0.00110	1				
		452	-40.00000	-29.00000	99.75000	0.00000
0.00000	0.00229	1				
		453	-39.00000	-29.00000	99.75000	0.00000
0.00000	0.00167	1				
		454	-38.00000	-29.00000	99.75000	0.00000
0.00000	0.00103	1				
		455	-37.00000	-29.00000	99.75000	0.00000
0.00000	0.00036	1				
		456	-36.00000	-29.00000	99.75000	0.00000
0.00000	-0.00031	1				
		457	-35.00000	-29.00000	99.75000	0.00000
0.00000	-0.00100	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.00170	1	458	-34.00000	-29.00000	99.75000	0.00000
0.00000	-0.00240	1	459	-33.00000	-29.00000	99.75000	0.00000
0.00000	-0.00309	1	460	-32.00000	-29.00000	99.75000	0.00000
0.00000	-0.00378	1	461	-31.00000	-29.00000	99.75000	0.00000
0.00000	-0.00445	1	462	-30.00000	-29.00000	99.75000	0.00000
0.00000	-0.00509	1	463	-29.00000	-29.00000	99.75000	0.00000
0.00000	-0.00571	1	464	-28.00000	-29.00000	99.75000	0.00000
0.00000	-0.00630	1	465	-27.00000	-29.00000	99.75000	0.00000
0.00000	-0.00630	1	466	-26.00000	-29.00000	99.75000	0.00000
0.00000	-0.00684	1	467	-25.00000	-29.00000	99.75000	0.00000
0.00000	-0.00734	1	468	-24.00000	-29.00000	99.75000	0.00000
0.00000	-0.00778	1	469	-23.00000	-29.00000	99.75000	0.00000
0.00000	-0.00816	1	470	-22.00000	-29.00000	99.75000	0.00000
0.00000	-0.00847	1	471	-21.00000	-29.00000	99.75000	0.00000
0.00000	-0.00872	1	472	-20.00000	-29.00000	99.75000	0.00000
0.00000	-0.00889	1	473	-19.00000	-29.00000	99.75000	0.00000
0.00000	-0.00899	1	474	-18.00000	-29.00000	99.75000	0.00000
0.00000	-0.00901	1	475	-17.00000	-29.00000	99.75000	0.00000
0.00000	-0.00896	1	476	-16.00000	-29.00000	99.75000	0.00000
0.00000	-0.00883	1	477	-15.00000	-29.00000	99.75000	0.00000
0.00000	-0.00862	1	478	-14.00000	-29.00000	99.75000	0.00000
0.00000	-0.00835	1	479	-13.00000	-29.00000	99.75000	0.00000
0.00000	-0.00800	1	480	-12.00000	-29.00000	99.75000	0.00000
0.00000	-0.00760	1	481	-11.00000	-29.00000	99.75000	0.00000
0.00000	-0.00713	1	482	-10.00000	-29.00000	99.75000	0.00000
0.00000	-0.00662	1	483	-9.00000	-29.00000	99.75000	0.00000
0.00000	-0.00606	1	484	-8.00000	-29.00000	99.75000	0.00000
0.00000	-0.00546	1	485	-7.00000	-29.00000	99.75000	0.00000
0.00000	-0.00482	1	486	-6.00000	-29.00000	99.75000	0.00000
0.00000	-0.00416	1	487	-5.00000	-29.00000	99.75000	0.00000
0.00000	-0.00349	1	488	-4.00000	-29.00000	99.75000	0.00000
0.00000	-0.00280	1	489	-3.00000	-29.00000	99.75000	0.00000
0.00000	-0.00210	1	490	-2.00000	-29.00000	99.75000	0.00000
0.00000	-0.00140	1	491	-1.00000	-29.00000	99.75000	0.00000
0.00000	-0.00071	1	492	0.00000	-29.00000	99.75000	0.00000
0.00000	-0.00002	1	493	-40.00000	-28.00000	99.75000	0.00000
0.00000	0.00136	1	494	-39.00000	-28.00000	99.75000	0.00000
0.00000	0.00066	1	495	-38.00000	-28.00000	99.75000	0.00000
0.00000	-0.00007	1	496	-37.00000	-28.00000	99.75000	0.00000



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.00083	1				
		497	-36.00000	-28.00000	99.75000	0.00000
0.00000	-0.00160	1				
		498	-35.00000	-28.00000	99.75000	0.00000
0.00000	-0.00239	1				
		499	-34.00000	-28.00000	99.75000	0.00000
0.00000	-0.00318	1				
		500	-33.00000	-28.00000	99.75000	0.00000
0.00000	-0.00399	1				
		501	-32.00000	-28.00000	99.75000	0.00000
0.00000	-0.00478	1				
		502	-31.00000	-28.00000	99.75000	0.00000
0.00000	-0.00557	1				
		503	-30.00000	-28.00000	99.75000	0.00000
0.00000	-0.00635	1				
		504	-29.00000	-28.00000	99.75000	0.00000
0.00000	-0.00710	1				
		505	-28.00000	-28.00000	99.75000	0.00000
0.00000	-0.00781	1				
		506	-27.00000	-28.00000	99.75000	0.00000
0.00000	-0.00849	1				
		507	-26.00000	-28.00000	99.75000	0.00000
0.00000	-0.00912	1				
		508	-25.00000	-28.00000	99.75000	0.00000
0.00000	-0.00970	1				
		509	-24.00000	-28.00000	99.75000	0.00000
0.00000	-0.01021	1				
		510	-23.00000	-28.00000	99.75000	0.00000
0.00000	-0.01065	1				
		511	-22.00000	-28.00000	99.75000	0.00000
0.00000	-0.01102	1				
		512	-21.00000	-28.00000	99.75000	0.00000
0.00000	-0.01130	1				
		513	-20.00000	-28.00000	99.75000	0.00000
0.00000	-0.01151	1				
		514	-19.00000	-28.00000	99.75000	0.00000
0.00000	-0.01162	1				
		515	-18.00000	-28.00000	99.75000	0.00000
0.00000	-0.01165	1				
		516	-17.00000	-28.00000	99.75000	0.00000
0.00000	-0.01158	1				
		517	-16.00000	-28.00000	99.75000	0.00000
0.00000	-0.01143	1				
		518	-15.00000	-28.00000	99.75000	0.00000
0.00000	-0.01119	1				
		519	-14.00000	-28.00000	99.75000	0.00000
0.00000	-0.01087	1				
		520	-13.00000	-28.00000	99.75000	0.00000
0.00000	-0.01047	1				
		521	-12.00000	-28.00000	99.75000	0.00000
0.00000	-0.01000	1				
		522	-11.00000	-28.00000	99.75000	0.00000
0.00000	-0.00946	1				
		523	-10.00000	-28.00000	99.75000	0.00000
0.00000	-0.00886	1				
		524	-9.00000	-28.00000	99.75000	0.00000
0.00000	-0.00821	1				
		525	-8.00000	-28.00000	99.75000	0.00000
0.00000	-0.00751	1				
		526	-7.00000	-28.00000	99.75000	0.00000
0.00000	-0.00678	1				
		527	-6.00000	-28.00000	99.75000	0.00000
0.00000	-0.00602	1				
		528	-5.00000	-28.00000	99.75000	0.00000
0.00000	-0.00524	1				
		529	-4.00000	-28.00000	99.75000	0.00000
0.00000	-0.00445	1				
		530	-3.00000	-28.00000	99.75000	0.00000
0.00000	-0.00365	1				
		531	-2.00000	-28.00000	99.75000	0.00000
0.00000	-0.00285	1				
		532	-1.00000	-28.00000	99.75000	0.00000
0.00000	-0.00205	1				
		533	0.00000	-28.00000	99.75000	0.00000
0.00000	-0.00127	1				
		534	-40.00000	-27.00000	99.75000	0.00000
0.00000	0.00034	1				



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.00046	1	535	-39.00000	-27.00000	99.75000
0.00000	-0.00129	1	536	-38.00000	-27.00000	99.75000
0.00000	-0.00214	1	537	-37.00000	-27.00000	99.75000
0.00000	-0.00302	1	538	-36.00000	-27.00000	99.75000
0.00000	-0.00392	1	539	-35.00000	-27.00000	99.75000
0.00000	-0.00483	1	540	-34.00000	-27.00000	99.75000
0.00000	-0.00575	1	541	-33.00000	-27.00000	99.75000
0.00000	-0.00667	1	542	-32.00000	-27.00000	99.75000
0.00000	-0.00758	1	543	-31.00000	-27.00000	99.75000
0.00000	-0.00847	1	544	-30.00000	-27.00000	99.75000
0.00000	-0.00934	1	545	-29.00000	-27.00000	99.75000
0.00000	-0.01017	1	546	-28.00000	-27.00000	99.75000
0.00000	-0.01096	1	547	-27.00000	-27.00000	99.75000
0.00000	-0.01169	1	548	-26.00000	-27.00000	99.75000
0.00000	-0.01236	1	549	-25.00000	-27.00000	99.75000
0.00000	-0.01295	1	550	-24.00000	-27.00000	99.75000
0.00000	-0.01347	1	551	-23.00000	-27.00000	99.75000
0.00000	-0.01390	1	552	-22.00000	-27.00000	99.75000
0.00000	-0.01423	1	553	-21.00000	-27.00000	99.75000
0.00000	-0.01447	1	554	-20.00000	-27.00000	99.75000
0.00000	-0.01460	1	555	-19.00000	-27.00000	99.75000
0.00000	-0.01463	1	556	-18.00000	-27.00000	99.75000
0.00000	-0.01456	1	557	-17.00000	-27.00000	99.75000
0.00000	-0.01438	1	558	-16.00000	-27.00000	99.75000
0.00000	-0.01410	1	559	-15.00000	-27.00000	99.75000
0.00000	-0.01373	1	560	-14.00000	-27.00000	99.75000
0.00000	-0.01326	1	561	-13.00000	-27.00000	99.75000
0.00000	-0.01271	1	562	-12.00000	-27.00000	99.75000
0.00000	-0.01208	1	563	-11.00000	-27.00000	99.75000
0.00000	-0.01139	1	564	-10.00000	-27.00000	99.75000
0.00000	-0.01063	1	565	-9.00000	-27.00000	99.75000
0.00000	-0.00982	1	566	-8.00000	-27.00000	99.75000
0.00000	-0.00898	1	567	-7.00000	-27.00000	99.75000
0.00000	-0.00810	1	568	-6.00000	-27.00000	99.75000
0.00000	-0.00720	1	569	-5.00000	-27.00000	99.75000
0.00000	-0.00628	1	570	-4.00000	-27.00000	99.75000
0.00000	-0.00536	1	571	-3.00000	-27.00000	99.75000
0.00000	-0.00445	1	572	-2.00000	-27.00000	99.75000
			573	-1.00000	-27.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.00354	1				
		574	0.00000	-27.00000	99.75000	0.00000
0.00000	-0.00265	1				
		575	-40.00000	-26.00000	99.75000	0.00000
0.00000	-0.00077	1				
		576	-39.00000	-26.00000	99.75000	0.00000
0.00000	-0.00167	1				
		577	-38.00000	-26.00000	99.75000	0.00000
0.00000	-0.00261	1				
		578	-37.00000	-26.00000	99.75000	0.00000
0.00000	-0.00359	1				
		579	-36.00000	-26.00000	99.75000	0.00000
0.00000	-0.00459	1				
		580	-35.00000	-26.00000	99.75000	0.00000
0.00000	-0.00562	1				
		581	-34.00000	-26.00000	99.75000	0.00000
0.00000	-0.00666	1				
		582	-33.00000	-26.00000	99.75000	0.00000
0.00000	-0.00772	1				
		583	-32.00000	-26.00000	99.75000	0.00000
0.00000	-0.00877	1				
		584	-31.00000	-26.00000	99.75000	0.00000
0.00000	-0.00982	1				
		585	-30.00000	-26.00000	99.75000	0.00000
0.00000	-0.01085	1				
		586	-29.00000	-26.00000	99.75000	0.00000
0.00000	-0.01185	1				
		587	-28.00000	-26.00000	99.75000	0.00000
0.00000	-0.01282	1				
		588	-27.00000	-26.00000	99.75000	0.00000
0.00000	-0.01373	1				
		589	-26.00000	-26.00000	99.75000	0.00000
0.00000	-0.01458	1				
		590	-25.00000	-26.00000	99.75000	0.00000
0.00000	-0.01536	1				
		591	-24.00000	-26.00000	99.75000	0.00000
0.00000	-0.01606	1				
		592	-23.00000	-26.00000	99.75000	0.00000
0.00000	-0.01666	1				
		593	-22.00000	-26.00000	99.75000	0.00000
0.00000	-0.01716	1				
		594	-21.00000	-26.00000	99.75000	0.00000
0.00000	-0.01755	1				
		595	-20.00000	-26.00000	99.75000	0.00000
0.00000	-0.01783	1				
		596	-19.00000	-26.00000	99.75000	0.00000
0.00000	-0.01799	1				
		597	-18.00000	-26.00000	99.75000	0.00000
0.00000	-0.01802	1				
		598	-17.00000	-26.00000	99.75000	0.00000
0.00000	-0.01793	1				
		599	-16.00000	-26.00000	99.75000	0.00000
0.00000	-0.01773	1				
		600	-15.00000	-26.00000	99.75000	0.00000
0.00000	-0.01740	1				
		601	-14.00000	-26.00000	99.75000	0.00000
0.00000	-0.01696	1				
		602	-13.00000	-26.00000	99.75000	0.00000
0.00000	-0.01642	1				
		603	-12.00000	-26.00000	99.75000	0.00000
0.00000	-0.01577	1				
		604	-11.00000	-26.00000	99.75000	0.00000
0.00000	-0.01504	1				
		605	-10.00000	-26.00000	99.75000	0.00000
0.00000	-0.01423	1				
		606	-9.00000	-26.00000	99.75000	0.00000
0.00000	-0.01335	1				
		607	-8.00000	-26.00000	99.75000	0.00000
0.00000	-0.01241	1				
		608	-7.00000	-26.00000	99.75000	0.00000
0.00000	-0.01143	1				
		609	-6.00000	-26.00000	99.75000	0.00000
0.00000	-0.01042	1				
		610	-5.00000	-26.00000	99.75000	0.00000
0.00000	-0.00938	1				
		611	-4.00000	-26.00000	99.75000	0.00000
0.00000	-0.00833	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.00727	1	612	-3.00000	-26.00000	99.75000	0.00000
0.00000	-0.00622	1	613	-2.00000	-26.00000	99.75000	0.00000
0.00000	-0.00518	1	614	-1.00000	-26.00000	99.75000	0.00000
0.00000	-0.00416	1	615	0.00000	-26.00000	99.75000	0.00000
0.00000	-0.00198	1	616	-40.00000	-25.00000	99.75000	0.00000
0.00000	-0.00300	1	617	-39.00000	-25.00000	99.75000	0.00000
0.00000	-0.00407	1	618	-38.00000	-25.00000	99.75000	0.00000
0.00000	-0.00518	1	619	-37.00000	-25.00000	99.75000	0.00000
0.00000	-0.00632	1	620	-36.00000	-25.00000	99.75000	0.00000
0.00000	-0.00749	1	621	-35.00000	-25.00000	99.75000	0.00000
0.00000	-0.00869	1	622	-34.00000	-25.00000	99.75000	0.00000
0.00000	-0.00990	1	623	-33.00000	-25.00000	99.75000	0.00000
0.00000	-0.01111	1	624	-32.00000	-25.00000	99.75000	0.00000
0.00000	-0.01232	1	625	-31.00000	-25.00000	99.75000	0.00000
0.00000	-0.01351	1	626	-30.00000	-25.00000	99.75000	0.00000
0.00000	-0.01467	1	627	-29.00000	-25.00000	99.75000	0.00000
0.00000	-0.01579	1	628	-28.00000	-25.00000	99.75000	0.00000
0.00000	-0.01685	1	629	-27.00000	-25.00000	99.75000	0.00000
0.00000	-0.01785	1	630	-26.00000	-25.00000	99.75000	0.00000
0.00000	-0.01875	1	631	-25.00000	-25.00000	99.75000	0.00000
0.00000	-0.01957	1	632	-24.00000	-25.00000	99.75000	0.00000
0.00000	-0.02027	1	633	-23.00000	-25.00000	99.75000	0.00000
0.00000	-0.02086	1	634	-22.00000	-25.00000	99.75000	0.00000
0.00000	-0.02132	1	635	-21.00000	-25.00000	99.75000	0.00000
0.00000	-0.02165	1	636	-20.00000	-25.00000	99.75000	0.00000
0.00000	-0.02183	1	637	-19.00000	-25.00000	99.75000	0.00000
0.00000	-0.02187	1	638	-18.00000	-25.00000	99.75000	0.00000
0.00000	-0.02177	1	639	-17.00000	-25.00000	99.75000	0.00000
0.00000	-0.02152	1	640	-16.00000	-25.00000	99.75000	0.00000
0.00000	-0.02114	1	641	-15.00000	-25.00000	99.75000	0.00000
0.00000	-0.02063	1	642	-14.00000	-25.00000	99.75000	0.00000
0.00000	-0.01999	1	643	-13.00000	-25.00000	99.75000	0.00000
0.00000	-0.01924	1	644	-12.00000	-25.00000	99.75000	0.00000
0.00000	-0.01838	1	645	-11.00000	-25.00000	99.75000	0.00000
0.00000	-0.01743	1	646	-10.00000	-25.00000	99.75000	0.00000
0.00000	-0.01641	1	647	-9.00000	-25.00000	99.75000	0.00000
0.00000	-0.01532	1	648	-8.00000	-25.00000	99.75000	0.00000
0.00000	-0.01418	1	649	-7.00000	-25.00000	99.75000	0.00000
			650	-6.00000	-25.00000	99.75000	0.00000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.01301	1				
		651	-5.00000	-25.00000	99.75000	0.00000
0.00000	-0.01181	1				
		652	-4.00000	-25.00000	99.75000	0.00000
0.00000	-0.01060	1				
		653	-3.00000	-25.00000	99.75000	0.00000
0.00000	-0.00938	1				
		654	-2.00000	-25.00000	99.75000	0.00000
0.00000	-0.00818	1				
		655	-1.00000	-25.00000	99.75000	0.00000
0.00000	-0.00699	1				
		656	0.00000	-25.00000	99.75000	0.00000
0.00000	-0.00583	1				
		657	-40.00000	-24.00000	99.75000	0.00000
0.00000	-0.00330	1				
		658	-39.00000	-24.00000	99.75000	0.00000
0.00000	-0.00446	1				
		659	-38.00000	-24.00000	99.75000	0.00000
0.00000	-0.00566	1				
		660	-37.00000	-24.00000	99.75000	0.00000
0.00000	-0.00692	1				
		661	-36.00000	-24.00000	99.75000	0.00000
0.00000	-0.00822	1				
		662	-35.00000	-24.00000	99.75000	0.00000
0.00000	-0.00956	1				
		663	-34.00000	-24.00000	99.75000	0.00000
0.00000	-0.01092	1				
		664	-33.00000	-24.00000	99.75000	0.00000
0.00000	-0.01231	1				
		665	-32.00000	-24.00000	99.75000	0.00000
0.00000	-0.01371	1				
		666	-31.00000	-24.00000	99.75000	0.00000
0.00000	-0.01510	1				
		667	-30.00000	-24.00000	99.75000	0.00000
0.00000	-0.01648	1				
		668	-29.00000	-24.00000	99.75000	0.00000
0.00000	-0.01783	1				
		669	-28.00000	-24.00000	99.75000	0.00000
0.00000	-0.01913	1				
		670	-27.00000	-24.00000	99.75000	0.00000
0.00000	-0.02037	1				
		671	-26.00000	-24.00000	99.75000	0.00000
0.00000	-0.02153	1				
		672	-25.00000	-24.00000	99.75000	0.00000
0.00000	-0.02259	1				
		673	-24.00000	-24.00000	99.75000	0.00000
0.00000	-0.02355	1				
		674	-23.00000	-24.00000	99.75000	0.00000
0.00000	-0.02437	1				
		675	-22.00000	-24.00000	99.75000	0.00000
0.00000	-0.02506	1				
		676	-21.00000	-24.00000	99.75000	0.00000
0.00000	-0.02560	1				
		677	-20.00000	-24.00000	99.75000	0.00000
0.00000	-0.02599	1				
		678	-19.00000	-24.00000	99.75000	0.00000
0.00000	-0.02620	1				
		679	-18.00000	-24.00000	99.75000	0.00000
0.00000	-0.02625	1				
		680	-17.00000	-24.00000	99.75000	0.00000
0.00000	-0.02613	1				
		681	-16.00000	-24.00000	99.75000	0.00000
0.00000	-0.02584	1				
		682	-15.00000	-24.00000	99.75000	0.00000
0.00000	-0.02539	1				
		683	-14.00000	-24.00000	99.75000	0.00000
0.00000	-0.02479	1				
		684	-13.00000	-24.00000	99.75000	0.00000
0.00000	-0.02404	1				
		685	-12.00000	-24.00000	99.75000	0.00000
0.00000	-0.02316	1				
		686	-11.00000	-24.00000	99.75000	0.00000
0.00000	-0.02215	1				
		687	-10.00000	-24.00000	99.75000	0.00000
0.00000	-0.02105	1				
		688	-9.00000	-24.00000	99.75000	0.00000
0.00000	-0.01985	1				



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9 Lyndhurst Terrace, London
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Stage 1 - Short Term - Demolition

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.01859	1	689	-8.00000	-24.00000	99.75000
0.00000	-0.01726	1	690	-7.00000	-24.00000	99.75000
0.00000	-0.01590	1	691	-6.00000	-24.00000	99.75000
0.00000	-0.01451	1	692	-5.00000	-24.00000	99.75000
0.00000	-0.01312	1	693	-4.00000	-24.00000	99.75000
0.00000	-0.01172	1	694	-3.00000	-24.00000	99.75000
0.00000	-0.01034	1	695	-2.00000	-24.00000	99.75000
0.00000	-0.00899	1	696	-1.00000	-24.00000	99.75000
0.00000	-0.00766	1	697	0.00000	-24.00000	99.75000
0.00000	-0.00473	1	698	-40.00000	-23.00000	99.75000
0.00000	-0.00603	1	699	-39.00000	-23.00000	99.75000
0.00000	-0.00740	1	700	-38.00000	-23.00000	99.75000
0.00000	-0.00882	1	701	-37.00000	-23.00000	99.75000
0.00000	-0.01030	1	702	-36.00000	-23.00000	99.75000
0.00000	-0.01183	1	703	-35.00000	-23.00000	99.75000
0.00000	-0.01339	1	704	-34.00000	-23.00000	99.75000
0.00000	-0.01499	1	705	-33.00000	-23.00000	99.75000
0.00000	-0.01660	1	706	-32.00000	-23.00000	99.75000
0.00000	-0.01821	1	707	-31.00000	-23.00000	99.75000
0.00000	-0.01981	1	708	-30.00000	-23.00000	99.75000
0.00000	-0.02137	1	709	-29.00000	-23.00000	99.75000
0.00000	-0.02289	1	710	-28.00000	-23.00000	99.75000
0.00000	-0.02433	1	711	-27.00000	-23.00000	99.75000
0.00000	-0.02569	1	712	-26.00000	-23.00000	99.75000
0.00000	-0.02694	1	713	-25.00000	-23.00000	99.75000
0.00000	-0.02806	1	714	-24.00000	-23.00000	99.75000
0.00000	-0.02903	1	715	-23.00000	-23.00000	99.75000
0.00000	-0.02985	1	716	-22.00000	-23.00000	99.75000
0.00000	-0.03048	1	717	-21.00000	-23.00000	99.75000
0.00000	-0.03094	1	718	-20.00000	-23.00000	99.75000
0.00000	-0.03119	1	719	-19.00000	-23.00000	99.75000
0.00000	-0.03125	1	720	-18.00000	-23.00000	99.75000
0.00000	-0.03111	1	721	-17.00000	-23.00000	99.75000
0.00000	-0.03077	1	722	-16.00000	-23.00000	99.75000
0.00000	-0.03024	1	723	-15.00000	-23.00000	99.75000
0.00000	-0.02952	1	724	-14.00000	-23.00000	99.75000
0.00000	-0.02864	1	725	-13.00000	-23.00000	99.75000
0.00000	-0.02760	1	726	-12.00000	-23.00000	99.75000
			727	-11.00000	-23.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.02642	1				
		728	-10.00000	-23.00000	99.75000	0.00000
0.00000	-0.02513	1				
		729	-9.00000	-23.00000	99.75000	0.00000
0.00000	-0.02373	1				
		730	-8.00000	-23.00000	99.75000	0.00000
0.00000	-0.02225	1				
		731	-7.00000	-23.00000	99.75000	0.00000
0.00000	-0.02071	1				
		732	-6.00000	-23.00000	99.75000	0.00000
0.00000	-0.01913	1				
		733	-5.00000	-23.00000	99.75000	0.00000
0.00000	-0.01753	1				
		734	-4.00000	-23.00000	99.75000	0.00000
0.00000	-0.01592	1				
		735	-3.00000	-23.00000	99.75000	0.00000
0.00000	-0.01431	1				
		736	-2.00000	-23.00000	99.75000	0.00000
0.00000	-0.01273	1				
		737	-1.00000	-23.00000	99.75000	0.00000
0.00000	-0.01118	1				
		738	0.00000	-23.00000	99.75000	0.00000
0.00000	-0.00967	1				
		739	-40.00000	-22.00000	99.75000	0.00000
0.00000	-0.00628	1				
		740	-39.00000	-22.00000	99.75000	0.00000
0.00000	-0.00775	1				
		741	-38.00000	-22.00000	99.75000	0.00000
0.00000	-0.00929	1				
		742	-37.00000	-22.00000	99.75000	0.00000
0.00000	-0.01090	1				
		743	-36.00000	-22.00000	99.75000	0.00000
0.00000	-0.01259	1				
		744	-35.00000	-22.00000	99.75000	0.00000
0.00000	-0.01433	1				
		745	-34.00000	-22.00000	99.75000	0.00000
0.00000	-0.01612	1				
		746	-33.00000	-22.00000	99.75000	0.00000
0.00000	-0.01795	1				
		747	-32.00000	-22.00000	99.75000	0.00000
0.00000	-0.01981	1				
		748	-31.00000	-22.00000	99.75000	0.00000
0.00000	-0.02167	1				
		749	-30.00000	-22.00000	99.75000	0.00000
0.00000	-0.02353	1				
		750	-29.00000	-22.00000	99.75000	0.00000
0.00000	-0.02535	1				
		751	-28.00000	-22.00000	99.75000	0.00000
0.00000	-0.02712	1				
		752	-27.00000	-22.00000	99.75000	0.00000
0.00000	-0.02881	1				
		753	-26.00000	-22.00000	99.75000	0.00000
0.00000	-0.03040	1				
		754	-25.00000	-22.00000	99.75000	0.00000
0.00000	-0.03187	1				
		755	-24.00000	-22.00000	99.75000	0.00000
0.00000	-0.03319	1				
		756	-23.00000	-22.00000	99.75000	0.00000
0.00000	-0.03434	1				
		757	-22.00000	-22.00000	99.75000	0.00000
0.00000	-0.03530	1				
		758	-21.00000	-22.00000	99.75000	0.00000
0.00000	-0.03606	1				
		759	-20.00000	-22.00000	99.75000	0.00000
0.00000	-0.03659	1				
		760	-19.00000	-22.00000	99.75000	0.00000
0.00000	-0.03689	1				
		761	-18.00000	-22.00000	99.75000	0.00000
0.00000	-0.03696	1				
		762	-17.00000	-22.00000	99.75000	0.00000
0.00000	-0.03679	1				
		763	-16.00000	-22.00000	99.75000	0.00000
0.00000	-0.03639	1				
		764	-15.00000	-22.00000	99.75000	0.00000
0.00000	-0.03576	1				
		765	-14.00000	-22.00000	99.75000	0.00000
0.00000	-0.03492	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.03387	1	766	-13.00000	-22.00000	99.75000	0.00000
0.00000	-0.03265	1	767	-12.00000	-22.00000	99.75000	0.00000
0.00000	-0.03126	1	768	-11.00000	-22.00000	99.75000	0.00000
0.00000	-0.02974	1	769	-10.00000	-22.00000	99.75000	0.00000
0.00000	-0.02810	1	770	-9.00000	-22.00000	99.75000	0.00000
0.00000	-0.02638	1	771	-8.00000	-22.00000	99.75000	0.00000
0.00000	-0.02458	1	772	-7.00000	-22.00000	99.75000	0.00000
0.00000	-0.02274	1	773	-6.00000	-22.00000	99.75000	0.00000
0.00000	-0.02274	1	774	-5.00000	-22.00000	99.75000	0.00000
0.00000	-0.02088	1	775	-4.00000	-22.00000	99.75000	0.00000
0.00000	-0.01902	1	776	-3.00000	-22.00000	99.75000	0.00000
0.00000	-0.01717	1	777	-2.00000	-22.00000	99.75000	0.00000
0.00000	-0.01536	1	778	-1.00000	-22.00000	99.75000	0.00000
0.00000	-0.01358	1	779	0.00000	-22.00000	99.75000	0.00000
0.00000	-0.01187	1	780	-40.00000	-21.00000	99.75000	0.00000
0.00000	-0.00795	1	781	-39.00000	-21.00000	99.75000	0.00000
0.00000	-0.00960	1	782	-38.00000	-21.00000	99.75000	0.00000
0.00000	-0.01134	1	783	-37.00000	-21.00000	99.75000	0.00000
0.00000	-0.01317	1	784	-36.00000	-21.00000	99.75000	0.00000
0.00000	-0.01508	1	785	-35.00000	-21.00000	99.75000	0.00000
0.00000	-0.01707	1	786	-34.00000	-21.00000	99.75000	0.00000
0.00000	-0.01913	1	787	-33.00000	-21.00000	99.75000	0.00000
0.00000	-0.02123	1	788	-32.00000	-21.00000	99.75000	0.00000
0.00000	-0.02337	1	789	-31.00000	-21.00000	99.75000	0.00000
0.00000	-0.02553	1	790	-30.00000	-21.00000	99.75000	0.00000
0.00000	-0.02769	1	791	-29.00000	-21.00000	99.75000	0.00000
0.00000	-0.02981	1	792	-28.00000	-21.00000	99.75000	0.00000
0.00000	-0.03188	1	793	-27.00000	-21.00000	99.75000	0.00000
0.00000	-0.03387	1	794	-26.00000	-21.00000	99.75000	0.00000
0.00000	-0.03575	1	795	-25.00000	-21.00000	99.75000	0.00000
0.00000	-0.03748	1	796	-24.00000	-21.00000	99.75000	0.00000
0.00000	-0.03904	1	797	-23.00000	-21.00000	99.75000	0.00000
0.00000	-0.04040	1	798	-22.00000	-21.00000	99.75000	0.00000
0.00000	-0.04154	1	799	-21.00000	-21.00000	99.75000	0.00000
0.00000	-0.04244	1	800	-20.00000	-21.00000	99.75000	0.00000
0.00000	-0.04307	1	801	-19.00000	-21.00000	99.75000	0.00000
0.00000	-0.04343	1	802	-18.00000	-21.00000	99.75000	0.00000
0.00000	-0.04351	1	803	-17.00000	-21.00000	99.75000	0.00000
0.00000	-0.04331	1	804	-16.00000	-21.00000	99.75000	0.00000



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LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.04283	1				
		805	-15.00000	-21.00000	99.75000	0.00000
0.00000	-0.04209	1				
		806	-14.00000	-21.00000	99.75000	0.00000
0.00000	-0.04108	1				
		807	-13.00000	-21.00000	99.75000	0.00000
0.00000	-0.03985	1				
		808	-12.00000	-21.00000	99.75000	0.00000
0.00000	-0.03840	1				
		809	-11.00000	-21.00000	99.75000	0.00000
0.00000	-0.03676	1				
		810	-10.00000	-21.00000	99.75000	0.00000
0.00000	-0.03496	1				
		811	-9.00000	-21.00000	99.75000	0.00000
0.00000	-0.03304	1				
		812	-8.00000	-21.00000	99.75000	0.00000
0.00000	-0.03101	1				
		813	-7.00000	-21.00000	99.75000	0.00000
0.00000	-0.02892	1				
		814	-6.00000	-21.00000	99.75000	0.00000
0.00000	-0.02678	1				
		815	-5.00000	-21.00000	99.75000	0.00000
0.00000	-0.02462	1				
		816	-4.00000	-21.00000	99.75000	0.00000
0.00000	-0.02246	1				
		817	-3.00000	-21.00000	99.75000	0.00000
0.00000	-0.02034	1				
		818	-2.00000	-21.00000	99.75000	0.00000
0.00000	-0.01825	1				
		819	-1.00000	-21.00000	99.75000	0.00000
0.00000	-0.01622	1				
		820	0.00000	-21.00000	99.75000	0.00000
0.00000	-0.01426	1				
		821	-40.00000	-20.00000	99.75000	0.00000
0.00000	-0.00974	1				
		822	-39.00000	-20.00000	99.75000	0.00000
0.00000	-0.01160	1				
		823	-38.00000	-20.00000	99.75000	0.00000
0.00000	-0.01356	1				
		824	-37.00000	-20.00000	99.75000	0.00000
0.00000	-0.01563	1				
		825	-36.00000	-20.00000	99.75000	0.00000
0.00000	-0.01781	1				
		826	-35.00000	-20.00000	99.75000	0.00000
0.00000	-0.02008	1				
		827	-34.00000	-20.00000	99.75000	0.00000
0.00000	-0.02243	1				
		828	-33.00000	-20.00000	99.75000	0.00000
0.00000	-0.02486	1				
		829	-32.00000	-20.00000	99.75000	0.00000
0.00000	-0.02733	1				
		830	-31.00000	-20.00000	99.75000	0.00000
0.00000	-0.02984	1				
		831	-30.00000	-20.00000	99.75000	0.00000
0.00000	-0.03235	1				
		832	-29.00000	-20.00000	99.75000	0.00000
0.00000	-0.03483	1				
		833	-28.00000	-20.00000	99.75000	0.00000
0.00000	-0.03726	1				
		834	-27.00000	-20.00000	99.75000	0.00000
0.00000	-0.03960	1				
		835	-26.00000	-20.00000	99.75000	0.00000
0.00000	-0.04181	1				
		836	-25.00000	-20.00000	99.75000	0.00000
0.00000	-0.04386	1				
		837	-24.00000	-20.00000	99.75000	0.00000
0.00000	-0.04572	1				
		838	-23.00000	-20.00000	99.75000	0.00000
0.00000	-0.04734	1				
		839	-22.00000	-20.00000	99.75000	0.00000
0.00000	-0.04869	1				
		840	-21.00000	-20.00000	99.75000	0.00000
0.00000	-0.04976	1				
		841	-20.00000	-20.00000	99.75000	0.00000
0.00000	-0.05052	1				
		842	-19.00000	-20.00000	99.75000	0.00000
0.00000	-0.05095	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.05105	1	843	-18.00000	-20.00000	99.75000	0.00000
0.00000	-0.05081	1	844	-17.00000	-20.00000	99.75000	0.00000
0.00000	-0.05024	1	845	-16.00000	-20.00000	99.75000	0.00000
0.00000	-0.04934	1	846	-15.00000	-20.00000	99.75000	0.00000
0.00000	-0.04815	1	847	-14.00000	-20.00000	99.75000	0.00000
0.00000	-0.04668	1	848	-13.00000	-20.00000	99.75000	0.00000
0.00000	-0.04496	1	849	-12.00000	-20.00000	99.75000	0.00000
0.00000	-0.04302	1	850	-11.00000	-20.00000	99.75000	0.00000
0.00000	-0.04089	1	851	-10.00000	-20.00000	99.75000	0.00000
0.00000	-0.03862	1	852	-9.00000	-20.00000	99.75000	0.00000
0.00000	-0.03624	1	853	-8.00000	-20.00000	99.75000	0.00000
0.00000	-0.03378	1	854	-7.00000	-20.00000	99.75000	0.00000
0.00000	-0.03129	1	855	-6.00000	-20.00000	99.75000	0.00000
0.00000	-0.02878	1	856	-5.00000	-20.00000	99.75000	0.00000
0.00000	-0.02628	1	857	-4.00000	-20.00000	99.75000	0.00000
0.00000	-0.02382	1	858	-3.00000	-20.00000	99.75000	0.00000
0.00000	-0.02143	1	859	-2.00000	-20.00000	99.75000	0.00000
0.00000	-0.01911	1	860	-1.00000	-20.00000	99.75000	0.00000
0.00000	-0.01688	1	861	0.00000	-20.00000	99.75000	0.00000
0.00000	-0.01167	1	862	-40.00000	-19.00000	99.75000	0.00000
0.00000	-0.01375	1	863	-39.00000	-19.00000	99.75000	0.00000
0.00000	-0.01596	1	864	-38.00000	-19.00000	99.75000	0.00000
0.00000	-0.01831	1	865	-37.00000	-19.00000	99.75000	0.00000
0.00000	-0.02078	1	866	-36.00000	-19.00000	99.75000	0.00000
0.00000	-0.02337	1	867	-35.00000	-19.00000	99.75000	0.00000
0.00000	-0.02607	1	868	-34.00000	-19.00000	99.75000	0.00000
0.00000	-0.02886	1	869	-33.00000	-19.00000	99.75000	0.00000
0.00000	-0.03173	1	870	-32.00000	-19.00000	99.75000	0.00000
0.00000	-0.03464	1	871	-31.00000	-19.00000	99.75000	0.00000
0.00000	-0.03757	1	872	-30.00000	-19.00000	99.75000	0.00000
0.00000	-0.04048	1	873	-29.00000	-19.00000	99.75000	0.00000
0.00000	-0.04334	1	874	-28.00000	-19.00000	99.75000	0.00000
0.00000	-0.04610	1	875	-27.00000	-19.00000	99.75000	0.00000
0.00000	-0.04873	1	876	-26.00000	-19.00000	99.75000	0.00000
0.00000	-0.05116	1	877	-25.00000	-19.00000	99.75000	0.00000
0.00000	-0.05337	1	878	-24.00000	-19.00000	99.75000	0.00000
0.00000	-0.05530	1	879	-23.00000	-19.00000	99.75000	0.00000
0.00000	-0.05693	1	880	-22.00000	-19.00000	99.75000	0.00000
			881	-21.00000	-19.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.05820	1				
		882	-20.00000	-19.00000	99.75000	0.00000
0.00000	-0.05911	1				
		883	-19.00000	-19.00000	99.75000	0.00000
0.00000	-0.05963	1				
		884	-18.00000	-19.00000	99.75000	0.00000
0.00000	-0.05975	1				
		885	-17.00000	-19.00000	99.75000	0.00000
0.00000	-0.05946	1				
		886	-16.00000	-19.00000	99.75000	0.00000
0.00000	-0.05877	1				
		887	-15.00000	-19.00000	99.75000	0.00000
0.00000	-0.05770	1				
		888	-14.00000	-19.00000	99.75000	0.00000
0.00000	-0.05627	1				
		889	-13.00000	-19.00000	99.75000	0.00000
0.00000	-0.05451	1				
		890	-12.00000	-19.00000	99.75000	0.00000
0.00000	-0.05246	1				
		891	-11.00000	-19.00000	99.75000	0.00000
0.00000	-0.05015	1				
		892	-10.00000	-19.00000	99.75000	0.00000
0.00000	-0.04763	1				
		893	-9.00000	-19.00000	99.75000	0.00000
0.00000	-0.04494	1				
		894	-8.00000	-19.00000	99.75000	0.00000
0.00000	-0.04214	1				
		895	-7.00000	-19.00000	99.75000	0.00000
0.00000	-0.03925	1				
		896	-6.00000	-19.00000	99.75000	0.00000
0.00000	-0.03633	1				
		897	-5.00000	-19.00000	99.75000	0.00000
0.00000	-0.03340	1				
		898	-4.00000	-19.00000	99.75000	0.00000
0.00000	-0.03051	1				
		899	-3.00000	-19.00000	99.75000	0.00000
0.00000	-0.02767	1				
		900	-2.00000	-19.00000	99.75000	0.00000
0.00000	-0.02492	1				
		901	-1.00000	-19.00000	99.75000	0.00000
0.00000	-0.02226	1				
		902	0.00000	-19.00000	99.75000	0.00000
0.00000	-0.01972	1				
		903	-40.00000	-18.00000	99.75000	0.00000
0.00000	-0.01372	1				
		904	-39.00000	-18.00000	99.75000	0.00000
0.00000	-0.01605	1				
		905	-38.00000	-18.00000	99.75000	0.00000
0.00000	-0.01854	1				
		906	-37.00000	-18.00000	99.75000	0.00000
0.00000	-0.02120	1				
		907	-36.00000	-18.00000	99.75000	0.00000
0.00000	-0.02401	1				
		908	-35.00000	-18.00000	99.75000	0.00000
0.00000	-0.02697	1				
		909	-34.00000	-18.00000	99.75000	0.00000
0.00000	-0.03007	1				
		910	-33.00000	-18.00000	99.75000	0.00000
0.00000	-0.03329	1				
		911	-32.00000	-18.00000	99.75000	0.00000
0.00000	-0.03661	1				
		912	-31.00000	-18.00000	99.75000	0.00000
0.00000	-0.04000	1				
		913	-30.00000	-18.00000	99.75000	0.00000
0.00000	-0.04342	1				
		914	-29.00000	-18.00000	99.75000	0.00000
0.00000	-0.04685	1				
		915	-28.00000	-18.00000	99.75000	0.00000
0.00000	-0.05022	1				
		916	-27.00000	-18.00000	99.75000	0.00000
0.00000	-0.05350	1				
		917	-26.00000	-18.00000	99.75000	0.00000
0.00000	-0.05662	1				
		918	-25.00000	-18.00000	99.75000	0.00000
0.00000	-0.05952	1				
		919	-24.00000	-18.00000	99.75000	0.00000
0.00000	-0.06216	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.06448	1	920	-23.00000	-18.00000	99.75000	0.00000
0.00000	-0.06643	1	921	-22.00000	-18.00000	99.75000	0.00000
0.00000	-0.06797	1	922	-21.00000	-18.00000	99.75000	0.00000
0.00000	-0.06907	1	923	-20.00000	-18.00000	99.75000	0.00000
0.00000	-0.06969	1	924	-19.00000	-18.00000	99.75000	0.00000
0.00000	-0.06983	1	925	-18.00000	-18.00000	99.75000	0.00000
0.00000	-0.06948	1	926	-17.00000	-18.00000	99.75000	0.00000
0.00000	-0.06866	1	927	-16.00000	-18.00000	99.75000	0.00000
0.00000	-0.06737	1	928	-15.00000	-18.00000	99.75000	0.00000
0.00000	-0.06565	1	929	-14.00000	-18.00000	99.75000	0.00000
0.00000	-0.06354	1	930	-13.00000	-18.00000	99.75000	0.00000
0.00000	-0.06108	1	931	-12.00000	-18.00000	99.75000	0.00000
0.00000	-0.05832	1	932	-11.00000	-18.00000	99.75000	0.00000
0.00000	-0.05531	1	933	-10.00000	-18.00000	99.75000	0.00000
0.00000	-0.05212	1	934	-9.00000	-18.00000	99.75000	0.00000
0.00000	-0.04880	1	935	-8.00000	-18.00000	99.75000	0.00000
0.00000	-0.04540	1	936	-7.00000	-18.00000	99.75000	0.00000
0.00000	-0.04197	1	937	-6.00000	-18.00000	99.75000	0.00000
0.00000	-0.03855	1	938	-5.00000	-18.00000	99.75000	0.00000
0.00000	-0.03519	1	939	-4.00000	-18.00000	99.75000	0.00000
0.00000	-0.03191	1	940	-3.00000	-18.00000	99.75000	0.00000
0.00000	-0.02874	1	941	-2.00000	-18.00000	99.75000	0.00000
0.00000	-0.02570	1	942	-1.00000	-18.00000	99.75000	0.00000
0.00000	-0.02280	1	943	0.00000	-18.00000	99.75000	0.00000
0.00000	-0.01590	1	944	-40.00000	-17.00000	99.75000	0.00000
0.00000	-0.01851	1	945	-39.00000	-17.00000	99.75000	0.00000
0.00000	-0.02132	1	946	-38.00000	-17.00000	99.75000	0.00000
0.00000	-0.02432	1	947	-37.00000	-17.00000	99.75000	0.00000
0.00000	-0.02751	1	948	-36.00000	-17.00000	99.75000	0.00000
0.00000	-0.03089	1	949	-35.00000	-17.00000	99.75000	0.00000
0.00000	-0.03445	1	950	-34.00000	-17.00000	99.75000	0.00000
0.00000	-0.03816	1	951	-33.00000	-17.00000	99.75000	0.00000
0.00000	-0.04201	1	952	-32.00000	-17.00000	99.75000	0.00000
0.00000	-0.04597	1	953	-31.00000	-17.00000	99.75000	0.00000
0.00000	-0.04999	1	954	-30.00000	-17.00000	99.75000	0.00000
0.00000	-0.05403	1	955	-29.00000	-17.00000	99.75000	0.00000
0.00000	-0.05803	1	956	-28.00000	-17.00000	99.75000	0.00000
0.00000	-0.06192	1	957	-27.00000	-17.00000	99.75000	0.00000
			958	-26.00000	-17.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.06565	1				
		959	-25.00000	-17.00000	99.75000	0.00000
0.00000	-0.06914	1				
		960	-24.00000	-17.00000	99.75000	0.00000
0.00000	-0.07231	1				
		961	-23.00000	-17.00000	99.75000	0.00000
0.00000	-0.07511	1				
		962	-22.00000	-17.00000	99.75000	0.00000
0.00000	-0.07747	1				
		963	-21.00000	-17.00000	99.75000	0.00000
0.00000	-0.07933	1				
		964	-20.00000	-17.00000	99.75000	0.00000
0.00000	-0.08065	1				
		965	-19.00000	-17.00000	99.75000	0.00000
0.00000	-0.08141	1				
		966	-18.00000	-17.00000	99.75000	0.00000
0.00000	-0.08158	1				
		967	-17.00000	-17.00000	99.75000	0.00000
0.00000	-0.08115	1				
		968	-16.00000	-17.00000	99.75000	0.00000
0.00000	-0.08015	1				
		969	-15.00000	-17.00000	99.75000	0.00000
0.00000	-0.07859	1				
		970	-14.00000	-17.00000	99.75000	0.00000
0.00000	-0.07652	1				
		971	-13.00000	-17.00000	99.75000	0.00000
0.00000	-0.07397	1				
		972	-12.00000	-17.00000	99.75000	0.00000
0.00000	-0.07100	1				
		973	-11.00000	-17.00000	99.75000	0.00000
0.00000	-0.06769	1				
		974	-10.00000	-17.00000	99.75000	0.00000
0.00000	-0.06409	1				
		975	-9.00000	-17.00000	99.75000	0.00000
0.00000	-0.06028	1				
		976	-8.00000	-17.00000	99.75000	0.00000
0.00000	-0.05634	1				
		977	-7.00000	-17.00000	99.75000	0.00000
0.00000	-0.05232	1				
		978	-6.00000	-17.00000	99.75000	0.00000
0.00000	-0.04828	1				
		979	-5.00000	-17.00000	99.75000	0.00000
0.00000	-0.04428	1				
		980	-4.00000	-17.00000	99.75000	0.00000
0.00000	-0.04037	1				
		981	-3.00000	-17.00000	99.75000	0.00000
0.00000	-0.03657	1				
		982	-2.00000	-17.00000	99.75000	0.00000
0.00000	-0.03292	1				
		983	-1.00000	-17.00000	99.75000	0.00000
0.00000	-0.02944	1				
		984	0.00000	-17.00000	99.75000	0.00000
0.00000	-0.02614	1				
		985	-40.00000	-16.00000	99.75000	0.00000
0.00000	-0.01821	1				
		986	-39.00000	-16.00000	99.75000	0.00000
0.00000	-0.02113	1				
		987	-38.00000	-16.00000	99.75000	0.00000
0.00000	-0.02428	1				
		988	-37.00000	-16.00000	99.75000	0.00000
0.00000	-0.02767	1				
		989	-36.00000	-16.00000	99.75000	0.00000
0.00000	-0.03129	1				
		990	-35.00000	-16.00000	99.75000	0.00000
0.00000	-0.03515	1				
		991	-34.00000	-16.00000	99.75000	0.00000
0.00000	-0.03924	1				
		992	-33.00000	-16.00000	99.75000	0.00000
0.00000	-0.04353	1				
		993	-32.00000	-16.00000	99.75000	0.00000
0.00000	-0.04801	1				
		994	-31.00000	-16.00000	99.75000	0.00000
0.00000	-0.05263	1				
		995	-30.00000	-16.00000	99.75000	0.00000
0.00000	-0.05737	1				
		996	-29.00000	-16.00000	99.75000	0.00000
0.00000	-0.06214	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.06690	1	997	-28.00000	-16.00000	99.75000
0.00000	-0.07156	1	998	-27.00000	-16.00000	99.75000
0.00000	-0.07603	1	999	-26.00000	-16.00000	99.75000
0.00000	-0.08023	1	1000	-25.00000	-16.00000	99.75000
0.00000	-0.08407	1	1001	-24.00000	-16.00000	99.75000
0.00000	-0.08746	1	1002	-23.00000	-16.00000	99.75000
0.00000	-0.09032	1	1003	-22.00000	-16.00000	99.75000
0.00000	-0.09259	1	1004	-21.00000	-16.00000	99.75000
0.00000	-0.09420	1	1005	-20.00000	-16.00000	99.75000
0.00000	-0.09512	1	1006	-19.00000	-16.00000	99.75000
0.00000	-0.09533	1	1007	-18.00000	-16.00000	99.75000
0.00000	-0.09481	1	1008	-17.00000	-16.00000	99.75000
0.00000	-0.09359	1	1009	-16.00000	-16.00000	99.75000
0.00000	-0.09170	1	1010	-15.00000	-16.00000	99.75000
0.00000	-0.08917	1	1011	-14.00000	-16.00000	99.75000
0.00000	-0.08608	1	1012	-13.00000	-16.00000	99.75000
0.00000	-0.08249	1	1013	-12.00000	-16.00000	99.75000
0.00000	-0.07848	1	1014	-11.00000	-16.00000	99.75000
0.00000	-0.07415	1	1015	-10.00000	-16.00000	99.75000
0.00000	-0.06959	1	1016	-9.00000	-16.00000	99.75000
0.00000	-0.06488	1	1017	-8.00000	-16.00000	99.75000
0.00000	-0.06011	1	1018	-7.00000	-16.00000	99.75000
0.00000	-0.05535	1	1019	-6.00000	-16.00000	99.75000
0.00000	-0.05066	1	1020	-5.00000	-16.00000	99.75000
0.00000	-0.04609	1	1021	-4.00000	-16.00000	99.75000
0.00000	-0.04169	1	1022	-3.00000	-16.00000	99.75000
0.00000	-0.03748	1	1023	-2.00000	-16.00000	99.75000
0.00000	-0.03349	1	1024	-1.00000	-16.00000	99.75000
0.00000	-0.02973	1	1025	0.00000	-16.00000	99.75000
0.00000	-0.02064	1	1026	-40.00000	-15.00000	99.75000
0.00000	-0.02390	1	1027	-39.00000	-15.00000	99.75000
0.00000	-0.02744	1	1028	-38.00000	-15.00000	99.75000
0.00000	-0.03126	1	1029	-37.00000	-15.00000	99.75000
0.00000	-0.03537	1	1030	-36.00000	-15.00000	99.75000
0.00000	-0.03978	1	1031	-35.00000	-15.00000	99.75000
0.00000	-0.04447	1	1032	-34.00000	-15.00000	99.75000
0.00000	-0.04943	1	1033	-33.00000	-15.00000	99.75000
0.00000	-0.05464	1	1034	-32.00000	-15.00000	99.75000
			1035	-31.00000	-15.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.06007	1				
		1036	-30.00000	-15.00000	99.75000	0.00000
0.00000	-0.06565	1				
		1037	-29.00000	-15.00000	99.75000	0.00000
0.00000	-0.07132	1				
		1038	-28.00000	-15.00000	99.75000	0.00000
0.00000	-0.07701	1				
		1039	-27.00000	-15.00000	99.75000	0.00000
0.00000	-0.08260	1				
		1040	-26.00000	-15.00000	99.75000	0.00000
0.00000	-0.08800	1				
		1041	-25.00000	-15.00000	99.75000	0.00000
0.00000	-0.09310	1				
		1042	-24.00000	-15.00000	99.75000	0.00000
0.00000	-0.09777	1				
		1043	-23.00000	-15.00000	99.75000	0.00000
0.00000	-0.10190	1				
		1044	-22.00000	-15.00000	99.75000	0.00000
0.00000	-0.10540	1				
		1045	-21.00000	-15.00000	99.75000	0.00000
0.00000	-0.10817	1				
		1046	-20.00000	-15.00000	99.75000	0.00000
0.00000	-0.11014	1				
		1047	-19.00000	-15.00000	99.75000	0.00000
0.00000	-0.11127	1				
		1048	-18.00000	-15.00000	99.75000	0.00000
0.00000	-0.11152	1				
		1049	-17.00000	-15.00000	99.75000	0.00000
0.00000	-0.11089	1				
		1050	-16.00000	-15.00000	99.75000	0.00000
0.00000	-0.10939	1				
		1051	-15.00000	-15.00000	99.75000	0.00000
0.00000	-0.10707	1				
		1052	-14.00000	-15.00000	99.75000	0.00000
0.00000	-0.10398	1				
		1053	-13.00000	-15.00000	99.75000	0.00000
0.00000	-0.10021	1				
		1054	-12.00000	-15.00000	99.75000	0.00000
0.00000	-0.09583	1				
		1055	-11.00000	-15.00000	99.75000	0.00000
0.00000	-0.09097	1				
		1056	-10.00000	-15.00000	99.75000	0.00000
0.00000	-0.08573	1				
		1057	-9.00000	-15.00000	99.75000	0.00000
0.00000	-0.08024	1				
		1058	-8.00000	-15.00000	99.75000	0.00000
0.00000	-0.07459	1				
		1059	-7.00000	-15.00000	99.75000	0.00000
0.00000	-0.06891	1				
		1060	-6.00000	-15.00000	99.75000	0.00000
0.00000	-0.06326	1				
		1061	-5.00000	-15.00000	99.75000	0.00000
0.00000	-0.05774	1				
		1062	-4.00000	-15.00000	99.75000	0.00000
0.00000	-0.05241	1				
		1063	-3.00000	-15.00000	99.75000	0.00000
0.00000	-0.04730	1				
		1064	-2.00000	-15.00000	99.75000	0.00000
0.00000	-0.04245	1				
		1065	-1.00000	-15.00000	99.75000	0.00000
0.00000	-0.03788	1				
		1066	0.00000	-15.00000	99.75000	0.00000
0.00000	-0.03360	1				
		1067	-40.00000	-14.00000	99.75000	0.00000
0.00000	-0.02319	1				
		1068	-39.00000	-14.00000	99.75000	0.00000
0.00000	-0.02682	1				
		1069	-38.00000	-14.00000	99.75000	0.00000
0.00000	-0.03078	1				
		1070	-37.00000	-14.00000	99.75000	0.00000
0.00000	-0.03508	1				
		1071	-36.00000	-14.00000	99.75000	0.00000
0.00000	-0.03974	1				
		1072	-35.00000	-14.00000	99.75000	0.00000
0.00000	-0.04477	1				
		1073	-34.00000	-14.00000	99.75000	0.00000
0.00000	-0.05016	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.05590	1	1074	-33.00000	-14.00000	99.75000	0.00000
0.00000	-0.06198	1	1075	-32.00000	-14.00000	99.75000	0.00000
0.00000	-0.06835	1	1076	-31.00000	-14.00000	99.75000	0.00000
0.00000	-0.07496	1	1077	-30.00000	-14.00000	99.75000	0.00000
0.00000	-0.08172	1	1078	-29.00000	-14.00000	99.75000	0.00000
0.00000	-0.08855	1	1079	-28.00000	-14.00000	99.75000	0.00000
0.00000	-0.09531	1	1080	-27.00000	-14.00000	99.75000	0.00000
0.00000	-0.10187	1	1081	-26.00000	-14.00000	99.75000	0.00000
0.00000	-0.10808	1	1082	-25.00000	-14.00000	99.75000	0.00000
0.00000	-0.11380	1	1083	-24.00000	-14.00000	99.75000	0.00000
0.00000	-0.11887	1	1084	-23.00000	-14.00000	99.75000	0.00000
0.00000	-0.12317	1	1085	-22.00000	-14.00000	99.75000	0.00000
0.00000	-0.12658	1	1086	-21.00000	-14.00000	99.75000	0.00000
0.00000	-0.12901	1	1087	-20.00000	-14.00000	99.75000	0.00000
0.00000	-0.13040	1	1088	-19.00000	-14.00000	99.75000	0.00000
0.00000	-0.13071	1	1089	-18.00000	-14.00000	99.75000	0.00000
0.00000	-0.12994	1	1090	-17.00000	-14.00000	99.75000	0.00000
0.00000	-0.12809	1	1091	-16.00000	-14.00000	99.75000	0.00000
0.00000	-0.12523	1	1092	-15.00000	-14.00000	99.75000	0.00000
0.00000	-0.12143	1	1093	-14.00000	-14.00000	99.75000	0.00000
0.00000	-0.11679	1	1094	-13.00000	-14.00000	99.75000	0.00000
0.00000	-0.11143	1	1095	-12.00000	-14.00000	99.75000	0.00000
0.00000	-0.10548	1	1096	-11.00000	-14.00000	99.75000	0.00000
0.00000	-0.09910	1	1097	-10.00000	-14.00000	99.75000	0.00000
0.00000	-0.09244	1	1098	-9.00000	-14.00000	99.75000	0.00000
0.00000	-0.08564	1	1099	-8.00000	-14.00000	99.75000	0.00000
0.00000	-0.07884	1	1100	-7.00000	-14.00000	99.75000	0.00000
0.00000	-0.07213	1	1101	-6.00000	-14.00000	99.75000	0.00000
0.00000	-0.06562	1	1102	-5.00000	-14.00000	99.75000	0.00000
0.00000	-0.05937	1	1103	-4.00000	-14.00000	99.75000	0.00000
0.00000	-0.05343	1	1104	-3.00000	-14.00000	99.75000	0.00000
0.00000	-0.04783	1	1105	-2.00000	-14.00000	99.75000	0.00000
0.00000	-0.04260	1	1106	-1.00000	-14.00000	99.75000	0.00000
0.00000	-0.03773	1	1107	0.00000	-14.00000	99.75000	0.00000
0.00000	-0.02584	1	1108	-40.00000	-13.00000	99.75000	0.00000
0.00000	-0.02987	1	1109	-39.00000	-13.00000	99.75000	0.00000
0.00000	-0.03430	1	1110	-38.00000	-13.00000	99.75000	0.00000
0.00000	-0.03913	1	1111	-37.00000	-13.00000	99.75000	0.00000
			1112	-36.00000	-13.00000	99.75000	0.00000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.04441	1				
		1113	-35.00000	-13.00000	99.75000	0.00000
0.00000	-0.05014	1				
		1114	-34.00000	-13.00000	99.75000	0.00000
0.00000	-0.05633	1				
		1115	-33.00000	-13.00000	99.75000	0.00000
0.00000	-0.06298	1				
		1116	-32.00000	-13.00000	99.75000	0.00000
0.00000	-0.07008	1				
		1117	-31.00000	-13.00000	99.75000	0.00000
0.00000	-0.07758	1				
		1118	-30.00000	-13.00000	99.75000	0.00000
0.00000	-0.08543	1				
		1119	-29.00000	-13.00000	99.75000	0.00000
0.00000	-0.09353	1				
		1120	-28.00000	-13.00000	99.75000	0.00000
0.00000	-0.10176	1				
		1121	-27.00000	-13.00000	99.75000	0.00000
0.00000	-0.10998	1				
		1122	-26.00000	-13.00000	99.75000	0.00000
0.00000	-0.11800	1				
		1123	-25.00000	-13.00000	99.75000	0.00000
0.00000	-0.12564	1				
		1124	-24.00000	-13.00000	99.75000	0.00000
0.00000	-0.13269	1				
		1125	-23.00000	-13.00000	99.75000	0.00000
0.00000	-0.13896	1				
		1126	-22.00000	-13.00000	99.75000	0.00000
0.00000	-0.14429	1				
		1127	-21.00000	-13.00000	99.75000	0.00000
0.00000	-0.14851	1				
		1128	-20.00000	-13.00000	99.75000	0.00000
0.00000	-0.15152	1				
		1129	-19.00000	-13.00000	99.75000	0.00000
0.00000	-0.15324	1				
		1130	-18.00000	-13.00000	99.75000	0.00000
0.00000	-0.15363	1				
		1131	-17.00000	-13.00000	99.75000	0.00000
0.00000	-0.15267	1				
		1132	-16.00000	-13.00000	99.75000	0.00000
0.00000	-0.15038	1				
		1133	-15.00000	-13.00000	99.75000	0.00000
0.00000	-0.14684	1				
		1134	-14.00000	-13.00000	99.75000	0.00000
0.00000	-0.14213	1				
		1135	-13.00000	-13.00000	99.75000	0.00000
0.00000	-0.13638	1				
		1136	-12.00000	-13.00000	99.75000	0.00000
0.00000	-0.12976	1				
		1137	-11.00000	-13.00000	99.75000	0.00000
0.00000	-0.12244	1				
		1138	-10.00000	-13.00000	99.75000	0.00000
0.00000	-0.11461	1				
		1139	-9.00000	-13.00000	99.75000	0.00000
0.00000	-0.10649	1				
		1140	-8.00000	-13.00000	99.75000	0.00000
0.00000	-0.09825	1				
		1141	-7.00000	-13.00000	99.75000	0.00000
0.00000	-0.09006	1				
		1142	-6.00000	-13.00000	99.75000	0.00000
0.00000	-0.08206	1				
		1143	-5.00000	-13.00000	99.75000	0.00000
0.00000	-0.07435	1				
		1144	-4.00000	-13.00000	99.75000	0.00000
0.00000	-0.06702	1				
		1145	-3.00000	-13.00000	99.75000	0.00000
0.00000	-0.06011	1				
		1146	-2.00000	-13.00000	99.75000	0.00000
0.00000	-0.05365	1				
		1147	-1.00000	-13.00000	99.75000	0.00000
0.00000	-0.04766	1				
		1148	0.00000	-13.00000	99.75000	0.00000
0.00000	-0.04213	1				
		1149	-40.00000	-12.00000	99.75000	0.00000
0.00000	-0.02858	1				
		1150	-39.00000	-12.00000	99.75000	0.00000
0.00000	-0.03305	1				



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.03797	1	1151	-38.00000	-12.00000	99.75000	0.00000
0.00000	-0.04340	1	1152	-37.00000	-12.00000	99.75000	0.00000
0.00000	-0.04936	1	1153	-36.00000	-12.00000	99.75000	0.00000
0.00000	-0.05588	1	1154	-35.00000	-12.00000	99.75000	0.00000
0.00000	-0.06298	1	1155	-34.00000	-12.00000	99.75000	0.00000
0.00000	-0.07069	1	1156	-33.00000	-12.00000	99.75000	0.00000
0.00000	-0.07898	1	1157	-32.00000	-12.00000	99.75000	0.00000
0.00000	-0.08784	1	1158	-31.00000	-12.00000	99.75000	0.00000
0.00000	-0.09719	1	1159	-30.00000	-12.00000	99.75000	0.00000
0.00000	-0.10694	1	1160	-29.00000	-12.00000	99.75000	0.00000
0.00000	-0.11693	1	1161	-28.00000	-12.00000	99.75000	0.00000
0.00000	-0.12699	1	1162	-27.00000	-12.00000	99.75000	0.00000
0.00000	-0.13688	1	1163	-26.00000	-12.00000	99.75000	0.00000
0.00000	-0.14634	1	1164	-25.00000	-12.00000	99.75000	0.00000
0.00000	-0.15511	1	1165	-24.00000	-12.00000	99.75000	0.00000
0.00000	-0.16292	1	1166	-23.00000	-12.00000	99.75000	0.00000
0.00000	-0.16956	1	1167	-22.00000	-12.00000	99.75000	0.00000
0.00000	-0.17483	1	1168	-21.00000	-12.00000	99.75000	0.00000
0.00000	-0.17859	1	1169	-20.00000	-12.00000	99.75000	0.00000
0.00000	-0.18073	1	1170	-19.00000	-12.00000	99.75000	0.00000
0.00000	-0.18121	1	1171	-18.00000	-12.00000	99.75000	0.00000
0.00000	-0.18001	1	1172	-17.00000	-12.00000	99.75000	0.00000
0.00000	-0.17716	1	1173	-16.00000	-12.00000	99.75000	0.00000
0.00000	-0.17274	1	1174	-15.00000	-12.00000	99.75000	0.00000
0.00000	-0.16686	1	1175	-14.00000	-12.00000	99.75000	0.00000
0.00000	-0.15970	1	1176	-13.00000	-12.00000	99.75000	0.00000
0.00000	-0.15145	1	1177	-12.00000	-12.00000	99.75000	0.00000
0.00000	-0.14236	1	1178	-11.00000	-12.00000	99.75000	0.00000
0.00000	-0.13269	1	1179	-10.00000	-12.00000	99.75000	0.00000
0.00000	-0.12271	1	1180	-9.00000	-12.00000	99.75000	0.00000
0.00000	-0.11266	1	1181	-8.00000	-12.00000	99.75000	0.00000
0.00000	-0.10275	1	1182	-7.00000	-12.00000	99.75000	0.00000
0.00000	-0.09316	1	1183	-6.00000	-12.00000	99.75000	0.00000
0.00000	-0.08402	1	1184	-5.00000	-12.00000	99.75000	0.00000
0.00000	-0.07540	1	1185	-4.00000	-12.00000	99.75000	0.00000
0.00000	-0.06736	1	1186	-3.00000	-12.00000	99.75000	0.00000
0.00000	-0.05991	1	1187	-2.00000	-12.00000	99.75000	0.00000
0.00000	-0.05305	1	1188	-1.00000	-12.00000	99.75000	0.00000
			1189	0.00000	-12.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.04678	1				
		1190	-40.00000	-11.00000	99.75000	0.00000
0.00000	-0.03138	1				
		1191	-39.00000	-11.00000	99.75000	0.00000
0.00000	-0.03631	1				
		1192	-38.00000	-11.00000	99.75000	0.00000
0.00000	-0.04179	1				
		1193	-37.00000	-11.00000	99.75000	0.00000
0.00000	-0.04785	1				
		1194	-36.00000	-11.00000	99.75000	0.00000
0.00000	-0.05457	1				
		1195	-35.00000	-11.00000	99.75000	0.00000
0.00000	-0.06198	1				
		1196	-34.00000	-11.00000	99.75000	0.00000
0.00000	-0.07012	1				
		1197	-33.00000	-11.00000	99.75000	0.00000
0.00000	-0.07904	1				
		1198	-32.00000	-11.00000	99.75000	0.00000
0.00000	-0.08874	1				
		1199	-31.00000	-11.00000	99.75000	0.00000
0.00000	-0.09921	1				
		1200	-30.00000	-11.00000	99.75000	0.00000
0.00000	-0.11040	1				
		1201	-29.00000	-11.00000	99.75000	0.00000
0.00000	-0.12218	1				
		1202	-28.00000	-11.00000	99.75000	0.00000
0.00000	-0.13440	1				
		1203	-27.00000	-11.00000	99.75000	0.00000
0.00000	-0.14681	1				
		1204	-26.00000	-11.00000	99.75000	0.00000
0.00000	-0.15910	1				
		1205	-25.00000	-11.00000	99.75000	0.00000
0.00000	-0.17093	1				
		1206	-24.00000	-11.00000	99.75000	0.00000
0.00000	-0.18193	1				
		1207	-23.00000	-11.00000	99.75000	0.00000
0.00000	-0.19175	1				
		1208	-22.00000	-11.00000	99.75000	0.00000
0.00000	-0.20010	1				
		1209	-21.00000	-11.00000	99.75000	0.00000
0.00000	-0.20671	1				
		1210	-20.00000	-11.00000	99.75000	0.00000
0.00000	-0.21143	1				
		1211	-19.00000	-11.00000	99.75000	0.00000
0.00000	-0.21411	1				
		1212	-18.00000	-11.00000	99.75000	0.00000
0.00000	-0.21471	1				
		1213	-17.00000	-11.00000	99.75000	0.00000
0.00000	-0.21320	1				
		1214	-16.00000	-11.00000	99.75000	0.00000
0.00000	-0.20963	1				
		1215	-15.00000	-11.00000	99.75000	0.00000
0.00000	-0.20408	1				
		1216	-14.00000	-11.00000	99.75000	0.00000
0.00000	-0.19670	1				
		1217	-13.00000	-11.00000	99.75000	0.00000
0.00000	-0.18769	1				
		1218	-12.00000	-11.00000	99.75000	0.00000
0.00000	-0.17733	1				
		1219	-11.00000	-11.00000	99.75000	0.00000
0.00000	-0.16594	1				
		1220	-10.00000	-11.00000	99.75000	0.00000
0.00000	-0.15388	1				
		1221	-9.00000	-11.00000	99.75000	0.00000
0.00000	-0.14151	1				
		1222	-8.00000	-11.00000	99.75000	0.00000
0.00000	-0.12916	1				
		1223	-7.00000	-11.00000	99.75000	0.00000
0.00000	-0.11711	1				
		1224	-6.00000	-11.00000	99.75000	0.00000
0.00000	-0.10557	1				
		1225	-5.00000	-11.00000	99.75000	0.00000
0.00000	-0.09469	1				
		1226	-4.00000	-11.00000	99.75000	0.00000
0.00000	-0.08454	1				
		1227	-3.00000	-11.00000	99.75000	0.00000
0.00000	-0.07518	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.06659	1	1228	-2.00000	-11.00000	99.75000	0.00000
0.00000	-0.05876	1	1229	-1.00000	-11.00000	99.75000	0.00000
0.00000	-0.05165	1	1230	0.00000	-11.00000	99.75000	0.00000
0.00000	-0.03422	1	1231	-40.00000	-10.00000	99.75000	0.00000
0.00000	-0.03964	1	1232	-39.00000	-10.00000	99.75000	0.00000
0.00000	-0.04570	1	1233	-38.00000	-10.00000	99.75000	0.00000
0.00000	-0.05246	1	1234	-37.00000	-10.00000	99.75000	0.00000
0.00000	-0.06001	1	1235	-36.00000	-10.00000	99.75000	0.00000
0.00000	-0.06840	1	1236	-35.00000	-10.00000	99.75000	0.00000
0.00000	-0.07772	1	1237	-34.00000	-10.00000	99.75000	0.00000
0.00000	-0.08803	1	1238	-33.00000	-10.00000	99.75000	0.00000
0.00000	-0.09938	1	1239	-32.00000	-10.00000	99.75000	0.00000
0.00000	-0.11178	1	1240	-31.00000	-10.00000	99.75000	0.00000
0.00000	-0.12520	1	1241	-30.00000	-10.00000	99.75000	0.00000
0.00000	-0.13952	1	1242	-29.00000	-10.00000	99.75000	0.00000
0.00000	-0.15456	1	1243	-28.00000	-10.00000	99.75000	0.00000
0.00000	-0.17000	1	1244	-27.00000	-10.00000	99.75000	0.00000
0.00000	-0.18544	1	1245	-26.00000	-10.00000	99.75000	0.00000
0.00000	-0.20039	1	1246	-25.00000	-10.00000	99.75000	0.00000
0.00000	-0.21434	1	1247	-24.00000	-10.00000	99.75000	0.00000
0.00000	-0.22680	1	1248	-23.00000	-10.00000	99.75000	0.00000
0.00000	-0.23737	1	1249	-22.00000	-10.00000	99.75000	0.00000
0.00000	-0.24573	1	1250	-21.00000	-10.00000	99.75000	0.00000
0.00000	-0.25166	1	1251	-20.00000	-10.00000	99.75000	0.00000
0.00000	-0.25504	1	1252	-19.00000	-10.00000	99.75000	0.00000
0.00000	-0.25579	1	1253	-18.00000	-10.00000	99.75000	0.00000
0.00000	-0.25389	1	1254	-17.00000	-10.00000	99.75000	0.00000
0.00000	-0.24940	1	1255	-16.00000	-10.00000	99.75000	0.00000
0.00000	-0.24239	1	1256	-15.00000	-10.00000	99.75000	0.00000
0.00000	-0.23305	1	1257	-14.00000	-10.00000	99.75000	0.00000
0.00000	-0.22164	1	1258	-13.00000	-10.00000	99.75000	0.00000
0.00000	-0.20850	1	1259	-12.00000	-10.00000	99.75000	0.00000
0.00000	-0.19407	1	1260	-11.00000	-10.00000	99.75000	0.00000
0.00000	-0.17887	1	1261	-10.00000	-10.00000	99.75000	0.00000
0.00000	-0.16339	1	1262	-9.00000	-10.00000	99.75000	0.00000
0.00000	-0.14809	1	1263	-8.00000	-10.00000	99.75000	0.00000
0.00000	-0.13334	1	1264	-7.00000	-10.00000	99.75000	0.00000
0.00000	-0.11939	1	1265	-6.00000	-10.00000	99.75000	0.00000
			1266	-5.00000	-10.00000	99.75000	0.00000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.10640	1				
		1267	-4.00000	-10.00000	99.75000	0.00000
0.00000	-0.09445	1				
		1268	-3.00000	-10.00000	99.75000	0.00000
0.00000	-0.08355	1				
		1269	-2.00000	-10.00000	99.75000	0.00000
0.00000	-0.07367	1				
		1270	-1.00000	-10.00000	99.75000	0.00000
0.00000	-0.06475	1				
		1271	0.00000	-10.00000	99.75000	0.00000
0.00000	-0.05672	1				
		1272	-40.00000	-9.00000	99.75000	0.00000
0.00000	-0.03707	1				
		1273	-39.00000	-9.00000	99.75000	0.00000
0.00000	-0.04300	1				
		1274	-38.00000	-9.00000	99.75000	0.00000
0.00000	-0.04968	1				
		1275	-37.00000	-9.00000	99.75000	0.00000
0.00000	-0.05718	1				
		1276	-36.00000	-9.00000	99.75000	0.00000
0.00000	-0.06562	1				
		1277	-35.00000	-9.00000	99.75000	0.00000
0.00000	-0.07510	1				
		1278	-34.00000	-9.00000	99.75000	0.00000
0.00000	-0.08573	1				
		1279	-33.00000	-9.00000	99.75000	0.00000
0.00000	-0.09763	1				
		1280	-32.00000	-9.00000	99.75000	0.00000
0.00000	-0.11089	1				
		1281	-31.00000	-9.00000	99.75000	0.00000
0.00000	-0.12558	1				
		1282	-30.00000	-9.00000	99.75000	0.00000
0.00000	-0.14172	1				
		1283	-29.00000	-9.00000	99.75000	0.00000
0.00000	-0.15921	1				
		1284	-28.00000	-9.00000	99.75000	0.00000
0.00000	-0.17786	1				
		1285	-27.00000	-9.00000	99.75000	0.00000
0.00000	-0.19728	1				
		1286	-26.00000	-9.00000	99.75000	0.00000
0.00000	-0.21690	1				
		1287	-25.00000	-9.00000	99.75000	0.00000
0.00000	-0.23604	1				
		1288	-24.00000	-9.00000	99.75000	0.00000
0.00000	-0.25393	1				
		1289	-23.00000	-9.00000	99.75000	0.00000
0.00000	-0.26990	1				
		1290	-22.00000	-9.00000	99.75000	0.00000
0.00000	-0.28339	1				
		1291	-21.00000	-9.00000	99.75000	0.00000
0.00000	-0.29401	1				
		1292	-20.00000	-9.00000	99.75000	0.00000
0.00000	-0.30152	1				
		1293	-19.00000	-9.00000	99.75000	0.00000
0.00000	-0.30577	1				
		1294	-18.00000	-9.00000	99.75000	0.00000
0.00000	-0.30671	1				
		1295	-17.00000	-9.00000	99.75000	0.00000
0.00000	-0.30432	1				
		1296	-16.00000	-9.00000	99.75000	0.00000
0.00000	-0.29864	1				
		1297	-15.00000	-9.00000	99.75000	0.00000
0.00000	-0.28976	1				
		1298	-14.00000	-9.00000	99.75000	0.00000
0.00000	-0.27787	1				
		1299	-13.00000	-9.00000	99.75000	0.00000
0.00000	-0.26327	1				
		1300	-12.00000	-9.00000	99.75000	0.00000
0.00000	-0.24642	1				
		1301	-11.00000	-9.00000	99.75000	0.00000
0.00000	-0.22793	1				
		1302	-10.00000	-9.00000	99.75000	0.00000
0.00000	-0.20853	1				
		1303	-9.00000	-9.00000	99.75000	0.00000
0.00000	-0.18894	1				
		1304	-8.00000	-9.00000	99.75000	0.00000
0.00000	-0.16981	1				



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Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.15163	1	1305	-7.00000	-9.00000	99.75000
0.00000	-0.13470	1	1306	-6.00000	-9.00000	99.75000
0.00000	-0.11918	1	1307	-5.00000	-9.00000	99.75000
0.00000	-0.10511	1	1308	-4.00000	-9.00000	99.75000
0.00000	-0.09244	1	1309	-3.00000	-9.00000	99.75000
0.00000	-0.08109	1	1310	-2.00000	-9.00000	99.75000
0.00000	-0.07096	1	1311	-1.00000	-9.00000	99.75000
0.00000	-0.06194	1	1312	0.00000	-9.00000	99.75000
0.00000	-0.03988	1	1313	-40.00000	-8.00000	99.75000
0.00000	-0.04634	1	1314	-39.00000	-8.00000	99.75000
0.00000	-0.05366	1	1315	-38.00000	-8.00000	99.75000
0.00000	-0.06194	1	1316	-37.00000	-8.00000	99.75000
0.00000	-0.07133	1	1317	-36.00000	-8.00000	99.75000
0.00000	-0.08198	1	1318	-35.00000	-8.00000	99.75000
0.00000	-0.09406	1	1319	-34.00000	-8.00000	99.75000
0.00000	-0.10774	1	1320	-33.00000	-8.00000	99.75000
0.00000	-0.12320	1	1321	-32.00000	-8.00000	99.75000
0.00000	-0.14059	1	1322	-31.00000	-8.00000	99.75000
0.00000	-0.16003	1	1323	-30.00000	-8.00000	99.75000
0.00000	-0.18150	1	1324	-29.00000	-8.00000	99.75000
0.00000	-0.20481	1	1325	-28.00000	-8.00000	99.75000
0.00000	-0.22951	1	1326	-27.00000	-8.00000	99.75000
0.00000	-0.25480	1	1327	-26.00000	-8.00000	99.75000
0.00000	-0.27966	1	1328	-25.00000	-8.00000	99.75000
0.00000	-0.30293	1	1329	-24.00000	-8.00000	99.75000
0.00000	-0.32361	1	1330	-23.00000	-8.00000	99.75000
0.00000	-0.34095	1	1331	-22.00000	-8.00000	99.75000
0.00000	-0.35450	1	1332	-21.00000	-8.00000	99.75000
0.00000	-0.36400	1	1333	-20.00000	-8.00000	99.75000
0.00000	-0.36936	1	1334	-19.00000	-8.00000	99.75000
0.00000	-0.37053	1	1335	-18.00000	-8.00000	99.75000
0.00000	-0.36752	1	1336	-17.00000	-8.00000	99.75000
0.00000	-0.36034	1	1337	-16.00000	-8.00000	99.75000
0.00000	-0.34906	1	1338	-15.00000	-8.00000	99.75000
0.00000	-0.33384	1	1339	-14.00000	-8.00000	99.75000
0.00000	-0.31502	1	1340	-13.00000	-8.00000	99.75000
0.00000	-0.29315	1	1341	-12.00000	-8.00000	99.75000
0.00000	-0.26911	1	1342	-11.00000	-8.00000	99.75000
			1343	-10.00000	-8.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.24397	1				
		1344	-9.00000	-8.00000	99.75000	0.00000
0.00000	-0.21885	1				
		1345	-8.00000	-8.00000	99.75000	0.00000
0.00000	-0.19470	1				
		1346	-7.00000	-8.00000	99.75000	0.00000
0.00000	-0.17215	1				
		1347	-6.00000	-8.00000	99.75000	0.00000
0.00000	-0.15155	1				
		1348	-5.00000	-8.00000	99.75000	0.00000
0.00000	-0.13299	1				
		1349	-4.00000	-8.00000	99.75000	0.00000
0.00000	-0.11644	1				
		1350	-3.00000	-8.00000	99.75000	0.00000
0.00000	-0.10176	1				
		1351	-2.00000	-8.00000	99.75000	0.00000
0.00000	-0.08878	1				
		1352	-1.00000	-8.00000	99.75000	0.00000
0.00000	-0.07733	1				
		1353	0.00000	-8.00000	99.75000	0.00000
0.00000	-0.06723	1				
		1354	-40.00000	-7.00000	99.75000	0.00000
0.00000	-0.04261	1				
		1355	-39.00000	-7.00000	99.75000	0.00000
0.00000	-0.04961	1				
		1356	-38.00000	-7.00000	99.75000	0.00000
0.00000	-0.05757	1				
		1357	-37.00000	-7.00000	99.75000	0.00000
0.00000	-0.06667	1				
		1358	-36.00000	-7.00000	99.75000	0.00000
0.00000	-0.07706	1				
		1359	-35.00000	-7.00000	99.75000	0.00000
0.00000	-0.08895	1				
		1360	-34.00000	-7.00000	99.75000	0.00000
0.00000	-0.10259	1				
		1361	-33.00000	-7.00000	99.75000	0.00000
0.00000	-0.11823	1				
		1362	-32.00000	-7.00000	99.75000	0.00000
0.00000	-0.13618	1				
		1363	-31.00000	-7.00000	99.75000	0.00000
0.00000	-0.15671	1				
		1364	-30.00000	-7.00000	99.75000	0.00000
0.00000	-0.18011	1				
		1365	-29.00000	-7.00000	99.75000	0.00000
0.00000	-0.20653	1				
		1366	-28.00000	-7.00000	99.75000	0.00000
0.00000	-0.23588	1				
		1367	-27.00000	-7.00000	99.75000	0.00000
0.00000	-0.26768	1				
		1368	-26.00000	-7.00000	99.75000	0.00000
0.00000	-0.30084	1				
		1369	-25.00000	-7.00000	99.75000	0.00000
0.00000	-0.33370	1				
		1370	-24.00000	-7.00000	99.75000	0.00000
0.00000	-0.36444	1				
		1371	-23.00000	-7.00000	99.75000	0.00000
0.00000	-0.39150	1				
		1372	-22.00000	-7.00000	99.75000	0.00000
0.00000	-0.41391	1				
		1373	-21.00000	-7.00000	99.75000	0.00000
0.00000	-0.43119	1				
		1374	-20.00000	-7.00000	99.75000	0.00000
0.00000	-0.44319	1				
		1375	-19.00000	-7.00000	99.75000	0.00000
0.00000	-0.44990	1				
		1376	-18.00000	-7.00000	99.75000	0.00000
0.00000	-0.45136	1				
		1377	-17.00000	-7.00000	99.75000	0.00000
0.00000	-0.44758	1				
		1378	-16.00000	-7.00000	99.75000	0.00000
0.00000	-0.43854	1				
		1379	-15.00000	-7.00000	99.75000	0.00000
0.00000	-0.42423	1				
		1380	-14.00000	-7.00000	99.75000	0.00000
0.00000	-0.40471	1				
		1381	-13.00000	-7.00000	99.75000	0.00000
0.00000	-0.38025	1				



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.35151	1	1382	-12.00000	-7.00000	99.75000	0.00000
0.00000	-0.31972	1	1383	-11.00000	-7.00000	99.75000	0.00000
0.00000	-0.28658	1	1384	-10.00000	-7.00000	99.75000	0.00000
0.00000	-0.25389	1	1385	-9.00000	-7.00000	99.75000	0.00000
0.00000	-0.22307	1	1386	-8.00000	-7.00000	99.75000	0.00000
0.00000	-0.19496	1	1387	-7.00000	-7.00000	99.75000	0.00000
0.00000	-0.16985	1	1388	-6.00000	-7.00000	99.75000	0.00000
0.00000	-0.14770	1	1389	-5.00000	-7.00000	99.75000	0.00000
0.00000	-0.12830	1	1390	-4.00000	-7.00000	99.75000	0.00000
0.00000	-0.11137	1	1391	-3.00000	-7.00000	99.75000	0.00000
0.00000	-0.09661	1	1392	-2.00000	-7.00000	99.75000	0.00000
0.00000	-0.08374	1	1393	-1.00000	-7.00000	99.75000	0.00000
0.00000	-0.07251	1	1394	0.00000	-7.00000	99.75000	0.00000
0.00000	-0.04522	1	1395	-40.00000	-6.00000	99.75000	0.00000
0.00000	-0.05274	1	1396	-39.00000	-6.00000	99.75000	0.00000
0.00000	-0.06136	1	1397	-38.00000	-6.00000	99.75000	0.00000
0.00000	-0.07126	1	1398	-37.00000	-6.00000	99.75000	0.00000
0.00000	-0.08267	1	1399	-36.00000	-6.00000	99.75000	0.00000
0.00000	-0.09586	1	1400	-35.00000	-6.00000	99.75000	0.00000
0.00000	-0.11114	1	1401	-34.00000	-6.00000	99.75000	0.00000
0.00000	-0.12890	1	1402	-33.00000	-6.00000	99.75000	0.00000
0.00000	-0.14958	1	1403	-32.00000	-6.00000	99.75000	0.00000
0.00000	-0.17368	1	1404	-31.00000	-6.00000	99.75000	0.00000
0.00000	-0.20174	1	1405	-30.00000	-6.00000	99.75000	0.00000
0.00000	-0.23423	1	1406	-29.00000	-6.00000	99.75000	0.00000
0.00000	-0.27138	1	1407	-28.00000	-6.00000	99.75000	0.00000
0.00000	-0.31281	1	1408	-27.00000	-6.00000	99.75000	0.00000
0.00000	-0.35705	1	1409	-26.00000	-6.00000	99.75000	0.00000
0.00000	-0.40140	1	1410	-25.00000	-6.00000	99.75000	0.00000
0.00000	-0.44265	1	1411	-24.00000	-6.00000	99.75000	0.00000
0.00000	-0.47837	1	1412	-23.00000	-6.00000	99.75000	0.00000
0.00000	-0.50737	1	1413	-22.00000	-6.00000	99.75000	0.00000
0.00000	-0.52932	1	1414	-21.00000	-6.00000	99.75000	0.00000
0.00000	-0.54436	1	1415	-20.00000	-6.00000	99.75000	0.00000
0.00000	-0.55269	1	1416	-19.00000	-6.00000	99.75000	0.00000
0.00000	-0.55448	1	1417	-18.00000	-6.00000	99.75000	0.00000
0.00000	-0.54978	1	1418	-17.00000	-6.00000	99.75000	0.00000
0.00000	-0.53850	1	1419	-16.00000	-6.00000	99.75000	0.00000
			1420	-15.00000	-6.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.52046	1				
		1421	-14.00000	-6.00000	99.75000	0.00000
0.00000	-0.49546	1				
		1422	-13.00000	-6.00000	99.75000	0.00000
0.00000	-0.46355	1				
		1423	-12.00000	-6.00000	99.75000	0.00000
0.00000	-0.42534	1				
		1424	-11.00000	-6.00000	99.75000	0.00000
0.00000	-0.38253	1				
		1425	-10.00000	-6.00000	99.75000	0.00000
0.00000	-0.33795	1				
		1426	-9.00000	-6.00000	99.75000	0.00000
0.00000	-0.29472	1				
		1427	-8.00000	-6.00000	99.75000	0.00000
0.00000	-0.25506	1				
		1428	-7.00000	-6.00000	99.75000	0.00000
0.00000	-0.21991	1				
		1429	-6.00000	-6.00000	99.75000	0.00000
0.00000	-0.18937	1				
		1430	-5.00000	-6.00000	99.75000	0.00000
0.00000	-0.16306	1				
		1431	-4.00000	-6.00000	99.75000	0.00000
0.00000	-0.14047	1				
		1432	-3.00000	-6.00000	99.75000	0.00000
0.00000	-0.12109	1				
		1433	-2.00000	-6.00000	99.75000	0.00000
0.00000	-0.10442	1				
		1434	-1.00000	-6.00000	99.75000	0.00000
0.00000	-0.09007	1				
		1435	0.00000	-6.00000	99.75000	0.00000
0.00000	-0.07767	1				
		1436	-40.00000	-5.00000	99.75000	0.00000
0.00000	-0.04765	1				
		1437	-39.00000	-5.00000	99.75000	0.00000
0.00000	-0.05567	1				
		1438	-38.00000	-5.00000	99.75000	0.00000
0.00000	-0.06492	1				
		1439	-37.00000	-5.00000	99.75000	0.00000
0.00000	-0.07562	1				
		1440	-36.00000	-5.00000	99.75000	0.00000
0.00000	-0.08804	1				
		1441	-35.00000	-5.00000	99.75000	0.00000
0.00000	-0.10253	1				
		1442	-34.00000	-5.00000	99.75000	0.00000
0.00000	-0.11949	1				
		1443	-33.00000	-5.00000	99.75000	0.00000
0.00000	-0.13946	1				
		1444	-32.00000	-5.00000	99.75000	0.00000
0.00000	-0.16305	1				
		1445	-31.00000	-5.00000	99.75000	0.00000
0.00000	-0.19106	1				
		1446	-30.00000	-5.00000	99.75000	0.00000
0.00000	-0.22441	1				
		1447	-29.00000	-5.00000	99.75000	0.00000
0.00000	-0.26411	1				
		1448	-28.00000	-5.00000	99.75000	0.00000
0.00000	-0.31104	1				
		1449	-27.00000	-5.00000	99.75000	0.00000
0.00000	-0.36543	1				
		1450	-26.00000	-5.00000	99.75000	0.00000
0.00000	-0.42580	1				
		1451	-25.00000	-5.00000	99.75000	0.00000
0.00000	-0.48749	1				
		1452	-24.00000	-5.00000	99.75000	0.00000
0.00000	-0.54376	1				
		1453	-23.00000	-5.00000	99.75000	0.00000
0.00000	-0.59100	1				
		1454	-22.00000	-5.00000	99.75000	0.00000
0.00000	-0.62827	1				
		1455	-21.00000	-5.00000	99.75000	0.00000
0.00000	-0.65584	1				
		1456	-20.00000	-5.00000	99.75000	0.00000
0.00000	-0.67441	1				
		1457	-19.00000	-5.00000	99.75000	0.00000
0.00000	-0.68458	1				
		1458	-18.00000	-5.00000	99.75000	0.00000
0.00000	-0.68674	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.68098	1	1459	-17.00000	-5.00000	99.75000
0.00000	-0.66711	1	1460	-16.00000	-5.00000	99.75000
0.00000	-0.64464	1	1461	-15.00000	-5.00000	99.75000
0.00000	-0.61295	1	1462	-14.00000	-5.00000	99.75000
0.00000	-0.57144	1	1463	-13.00000	-5.00000	99.75000
0.00000	-0.52026	1	1464	-12.00000	-5.00000	99.75000
0.00000	-0.46125	1	1465	-11.00000	-5.00000	99.75000
0.00000	-0.39952	1	1466	-10.00000	-5.00000	99.75000
0.00000	-0.34148	1	1467	-9.00000	-5.00000	99.75000
0.00000	-0.29026	1	1468	-8.00000	-5.00000	99.75000
0.00000	-0.24650	1	1469	-7.00000	-5.00000	99.75000
0.00000	-0.20963	1	1470	-6.00000	-5.00000	99.75000
0.00000	-0.17866	1	1471	-5.00000	-5.00000	99.75000
0.00000	-0.15262	1	1472	-4.00000	-5.00000	99.75000
0.00000	-0.13065	1	1473	-3.00000	-5.00000	99.75000
0.00000	-0.11202	1	1474	-2.00000	-5.00000	99.75000
0.00000	-0.09616	1	1475	-1.00000	-5.00000	99.75000
0.00000	-0.08259	1	1476	0.00000	-5.00000	99.75000
0.00000	-0.04984	1	1477	-40.00000	-4.00000	99.75000
0.00000	-0.05834	1	1478	-39.00000	-4.00000	99.75000
0.00000	-0.06818	1	1479	-38.00000	-4.00000	99.75000
0.00000	-0.07963	1	1480	-37.00000	-4.00000	99.75000
0.00000	-0.09302	1	1481	-36.00000	-4.00000	99.75000
0.00000	-0.10876	1	1482	-35.00000	-4.00000	99.75000
0.00000	-0.12738	1	1483	-34.00000	-4.00000	99.75000
0.00000	-0.14954	1	1484	-33.00000	-4.00000	99.75000
0.00000	-0.17611	1	1485	-32.00000	-4.00000	99.75000
0.00000	-0.20819	1	1486	-31.00000	-4.00000	99.75000
0.00000	-0.24723	1	1487	-30.00000	-4.00000	99.75000
0.00000	-0.29500	1	1488	-29.00000	-4.00000	99.75000
0.00000	-0.35350	1	1489	-28.00000	-4.00000	99.75000
0.00000	-0.42490	1	1490	-27.00000	-4.00000	99.75000
0.00000	-0.52260	1	1491	-26.00000	-4.00000	99.75000
0.00000	-0.65405	1	1492	-25.00000	-4.00000	99.75000
0.00000	-0.73678	1	1493	-24.00000	-4.00000	99.75000
0.00000	-0.79827	1	1494	-23.00000	-4.00000	99.75000
0.00000	-0.84490	1	1495	-22.00000	-4.00000	99.75000
0.00000	-0.87846	1	1496	-21.00000	-4.00000	99.75000
			1497	-20.00000	-4.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.90055	1				
		1498	-19.00000	-4.00000	99.75000	0.00000
0.00000	-0.91237	1				
		1499	-18.00000	-4.00000	99.75000	0.00000
0.00000	-0.91458	1				
		1500	-17.00000	-4.00000	99.75000	0.00000
0.00000	-0.90734	1				
		1501	-16.00000	-4.00000	99.75000	0.00000
0.00000	-0.89030	1				
		1502	-15.00000	-4.00000	99.75000	0.00000
0.00000	-0.86261	1				
		1503	-14.00000	-4.00000	99.75000	0.00000
0.00000	-0.82289	1				
		1504	-13.00000	-4.00000	99.75000	0.00000
0.00000	-0.76949	1				
		1505	-12.00000	-4.00000	99.75000	0.00000
0.00000	-0.70040	1				
		1506	-11.00000	-4.00000	99.75000	0.00000
0.00000	-0.60002	1				
		1507	-10.00000	-4.00000	99.75000	0.00000
0.00000	-0.47503	1				
		1508	-9.00000	-4.00000	99.75000	0.00000
0.00000	-0.39293	1				
		1509	-8.00000	-4.00000	99.75000	0.00000
0.00000	-0.32737	1				
		1510	-7.00000	-4.00000	99.75000	0.00000
0.00000	-0.27367	1				
		1511	-6.00000	-4.00000	99.75000	0.00000
0.00000	-0.22983	1				
		1512	-5.00000	-4.00000	99.75000	0.00000
0.00000	-0.19393	1				
		1513	-4.00000	-4.00000	99.75000	0.00000
0.00000	-0.16432	1				
		1514	-3.00000	-4.00000	99.75000	0.00000
0.00000	-0.13973	1				
		1515	-2.00000	-4.00000	99.75000	0.00000
0.00000	-0.11916	1				
		1516	-1.00000	-4.00000	99.75000	0.00000
0.00000	-0.10182	1				
		1517	0.00000	-4.00000	99.75000	0.00000
0.00000	-0.08713	1				
		1518	-40.00000	-3.00000	99.75000	0.00000
0.00000	-0.05175	1				
		1519	-39.00000	-3.00000	99.75000	0.00000
0.00000	-0.06066	1				
		1520	-38.00000	-3.00000	99.75000	0.00000
0.00000	-0.07104	1				
		1521	-37.00000	-3.00000	99.75000	0.00000
0.00000	-0.08317	1				
		1522	-36.00000	-3.00000	99.75000	0.00000
0.00000	-0.09744	1				
		1523	-35.00000	-3.00000	99.75000	0.00000
0.00000	-0.11434	1				
		1524	-34.00000	-3.00000	99.75000	0.00000
0.00000	-0.13450	1				
		1525	-33.00000	-3.00000	99.75000	0.00000
0.00000	-0.15874	1				
		1526	-32.00000	-3.00000	99.75000	0.00000
0.00000	-0.18815	1				
		1527	-31.00000	-3.00000	99.75000	0.00000
0.00000	-0.22423	1				
		1528	-30.00000	-3.00000	99.75000	0.00000
0.00000	-0.26894	1				
		1529	-29.00000	-3.00000	99.75000	0.00000
0.00000	-0.32496	1				
		1530	-28.00000	-3.00000	99.75000	0.00000
0.00000	-0.39573	1				
		1531	-27.00000	-3.00000	99.75000	0.00000
0.00000	-0.48752	1				
		1532	-26.00000	-3.00000	99.75000	0.00000
0.00000	-0.75902	1				
		1533	-25.00000	-3.00000	99.75000	0.00000
0.00000	-1.87928	1				
		1534	-24.00000	-3.00000	99.75000	0.00000
0.00000	-2.02996	1				
		1535	-23.00000	-3.00000	99.75000	0.00000
0.00000	-2.10730	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-2.16364	1	1536	-22.00000	-3.00000	99.75000	0.00000
0.00000	-2.20315	1	1537	-21.00000	-3.00000	99.75000	0.00000
0.00000	-2.22859	1	1538	-20.00000	-3.00000	99.75000	0.00000
0.00000	-2.24184	1	1539	-19.00000	-3.00000	99.75000	0.00000
0.00000	-2.24387	1	1540	-18.00000	-3.00000	99.75000	0.00000
0.00000	-2.23493	1	1541	-17.00000	-3.00000	99.75000	0.00000
0.00000	-2.21448	1	1542	-16.00000	-3.00000	99.75000	0.00000
0.00000	-2.18122	1	1543	-15.00000	-3.00000	99.75000	0.00000
0.00000	-2.13293	1	1544	-14.00000	-3.00000	99.75000	0.00000
0.00000	-2.06651	1	1545	-13.00000	-3.00000	99.75000	0.00000
0.00000	-1.97452	1	1546	-12.00000	-3.00000	99.75000	0.00000
0.00000	-1.63448	1	1547	-11.00000	-3.00000	99.75000	0.00000
0.00000	-0.57758	1	1548	-10.00000	-3.00000	99.75000	0.00000
0.00000	-0.44529	1	1549	-9.00000	-3.00000	99.75000	0.00000
0.00000	-0.36389	1	1550	-8.00000	-3.00000	99.75000	0.00000
0.00000	-0.29981	1	1551	-7.00000	-3.00000	99.75000	0.00000
0.00000	-0.24892	1	1552	-6.00000	-3.00000	99.75000	0.00000
0.00000	-0.20813	1	1553	-5.00000	-3.00000	99.75000	0.00000
0.00000	-0.17507	1	1554	-4.00000	-3.00000	99.75000	0.00000
0.00000	-0.14799	1	1555	-3.00000	-3.00000	99.75000	0.00000
0.00000	-0.12558	1	1556	-2.00000	-3.00000	99.75000	0.00000
0.00000	-0.10688	1	1557	-1.00000	-3.00000	99.75000	0.00000
0.00000	-0.09116	1	1558	0.00000	-3.00000	99.75000	0.00000
0.00000	-0.05332	1	1559	-40.00000	-2.00000	99.75000	0.00000
0.00000	-0.06259	1	1560	-39.00000	-2.00000	99.75000	0.00000
0.00000	-0.07341	1	1561	-38.00000	-2.00000	99.75000	0.00000
0.00000	-0.08612	1	1562	-37.00000	-2.00000	99.75000	0.00000
0.00000	-0.10115	1	1563	-36.00000	-2.00000	99.75000	0.00000
0.00000	-0.11905	1	1564	-35.00000	-2.00000	99.75000	0.00000
0.00000	-0.14055	1	1565	-34.00000	-2.00000	99.75000	0.00000
0.00000	-0.16662	1	1566	-33.00000	-2.00000	99.75000	0.00000
0.00000	-0.19857	1	1567	-32.00000	-2.00000	99.75000	0.00000
0.00000	-0.23822	1	1568	-31.00000	-2.00000	99.75000	0.00000
0.00000	-0.28808	1	1569	-30.00000	-2.00000	99.75000	0.00000
0.00000	-0.35163	1	1570	-29.00000	-2.00000	99.75000	0.00000
0.00000	-0.43355	1	1571	-28.00000	-2.00000	99.75000	0.00000
0.00000	-0.54279	1	1572	-27.00000	-2.00000	99.75000	0.00000
0.00000	-0.87809	1	1573	-26.00000	-2.00000	99.75000	0.00000
			1574	-25.00000	-2.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-2.16834	1				
		1575	-24.00000	-2.00000	99.75000	0.00000
0.00000	-2.35536	1				
		1576	-23.00000	-2.00000	99.75000	0.00000
0.00000	-2.44831	1				
		1577	-22.00000	-2.00000	99.75000	0.00000
0.00000	-2.51503	1				
		1578	-21.00000	-2.00000	99.75000	0.00000
0.00000	-2.56151	1				
		1579	-20.00000	-2.00000	99.75000	0.00000
0.00000	-2.59156	1				
		1580	-19.00000	-2.00000	99.75000	0.00000
0.00000	-2.60765	1				
		1581	-18.00000	-2.00000	99.75000	0.00000
0.00000	-2.61108	1				
		1582	-17.00000	-2.00000	99.75000	0.00000
0.00000	-2.60213	1				
		1583	-16.00000	-2.00000	99.75000	0.00000
0.00000	-2.58014	1				
		1584	-15.00000	-2.00000	99.75000	0.00000
0.00000	-2.54334	1				
		1585	-14.00000	-2.00000	99.75000	0.00000
0.00000	-2.48878	1				
		1586	-13.00000	-2.00000	99.75000	0.00000
0.00000	-2.41206	1				
		1587	-12.00000	-2.00000	99.75000	0.00000
0.00000	-2.30244	1				
		1588	-11.00000	-2.00000	99.75000	0.00000
0.00000	-1.87950	1				
		1589	-10.00000	-2.00000	99.75000	0.00000
0.00000	-0.65490	1				
		1590	-9.00000	-2.00000	99.75000	0.00000
0.00000	-0.49219	1				
		1591	-8.00000	-2.00000	99.75000	0.00000
0.00000	-0.39655	1				
		1592	-7.00000	-2.00000	99.75000	0.00000
0.00000	-0.32299	1				
		1593	-6.00000	-2.00000	99.75000	0.00000
0.00000	-0.26569	1				
		1594	-5.00000	-2.00000	99.75000	0.00000
0.00000	-0.22049	1				
		1595	-4.00000	-2.00000	99.75000	0.00000
0.00000	-0.18433	1				
		1596	-3.00000	-2.00000	99.75000	0.00000
0.00000	-0.15504	1				
		1597	-2.00000	-2.00000	99.75000	0.00000
0.00000	-0.13102	1				
		1598	-1.00000	-2.00000	99.75000	0.00000
0.00000	-0.11114	1				
		1599	0.00000	-2.00000	99.75000	0.00000
0.00000	-0.09453	1				
		1600	-40.00000	-1.00000	99.75000	0.00000
0.00000	-0.05451	1				
		1601	-39.00000	-1.00000	99.75000	0.00000
0.00000	-0.06405	1				
		1602	-38.00000	-1.00000	99.75000	0.00000
0.00000	-0.07522	1				
		1603	-37.00000	-1.00000	99.75000	0.00000
0.00000	-0.08838	1				
		1604	-36.00000	-1.00000	99.75000	0.00000
0.00000	-0.10400	1				
		1605	-35.00000	-1.00000	99.75000	0.00000
0.00000	-0.12269	1				
		1606	-34.00000	-1.00000	99.75000	0.00000
0.00000	-0.14525	1				
		1607	-33.00000	-1.00000	99.75000	0.00000
0.00000	-0.17278	1				
		1608	-32.00000	-1.00000	99.75000	0.00000
0.00000	-0.20677	1				
		1609	-31.00000	-1.00000	99.75000	0.00000
0.00000	-0.24929	1				
		1610	-30.00000	-1.00000	99.75000	0.00000
0.00000	-0.30327	1				
		1611	-29.00000	-1.00000	99.75000	0.00000
0.00000	-0.37280	1				
		1612	-28.00000	-1.00000	99.75000	0.00000
0.00000	-0.46336	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
y	z					
0.00000	-0.58479	1	1613	-27.00000	-1.00000	99.75000
0.00000	-0.93755	1	1614	-26.00000	-1.00000	99.75000
0.00000	-2.24598	1	1615	-25.00000	-1.00000	99.75000
0.00000	-2.44767	1	1616	-24.00000	-1.00000	99.75000
0.00000	-2.55141	1	1617	-23.00000	-1.00000	99.75000
0.00000	-2.62554	1	1618	-22.00000	-1.00000	99.75000
0.00000	-2.67687	1	1619	-21.00000	-1.00000	99.75000
0.00000	-2.70991	1	1620	-20.00000	-1.00000	99.75000
0.00000	-2.72757	1	1621	-19.00000	-1.00000	99.75000
0.00000	-2.73139	1	1622	-18.00000	-1.00000	99.75000
0.00000	-2.72171	1	1623	-17.00000	-1.00000	99.75000
0.00000	-2.69772	1	1624	-16.00000	-1.00000	99.75000
0.00000	-2.65735	1	1625	-15.00000	-1.00000	99.75000
0.00000	-2.59706	1	1626	-14.00000	-1.00000	99.75000
0.00000	-2.51168	1	1627	-13.00000	-1.00000	99.75000
0.00000	-2.38957	1	1628	-12.00000	-1.00000	99.75000
0.00000	-1.94844	1	1629	-11.00000	-1.00000	99.75000
0.00000	-0.70586	1	1630	-10.00000	-1.00000	99.75000
0.00000	-0.52866	1	1631	-9.00000	-1.00000	99.75000
0.00000	-0.42241	1	1632	-8.00000	-1.00000	99.75000
0.00000	-0.34142	1	1633	-7.00000	-1.00000	99.75000
0.00000	-0.27899	1	1634	-6.00000	-1.00000	99.75000
0.00000	-0.23024	1	1635	-5.00000	-1.00000	99.75000
0.00000	-0.19160	1	1636	-4.00000	-1.00000	99.75000
0.00000	-0.16054	1	1637	-3.00000	-1.00000	99.75000
0.00000	-0.13525	1	1638	-2.00000	-1.00000	99.75000
0.00000	-0.11443	1	1639	-1.00000	-1.00000	99.75000
0.00000	-0.09711	1	1640	0.00000	-1.00000	99.75000
0.00000	-0.05529	1	1641	-40.00000	0.00000	99.75000
0.00000	-0.06501	1	1642	-39.00000	0.00000	99.75000
0.00000	-0.07641	1	1643	-38.00000	0.00000	99.75000
0.00000	-0.08987	1	1644	-37.00000	0.00000	99.75000
0.00000	-0.10589	1	1645	-36.00000	0.00000	99.75000
0.00000	-0.12510	1	1646	-35.00000	0.00000	99.75000
0.00000	-0.14838	1	1647	-34.00000	0.00000	99.75000
0.00000	-0.17689	1	1648	-33.00000	0.00000	99.75000
0.00000	-0.21225	1	1649	-32.00000	0.00000	99.75000
0.00000	-0.25672	1	1650	-31.00000	0.00000	99.75000
			1651	-30.00000	0.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.31347	1				
		1652	-29.00000	0.00000	99.75000	0.00000
0.00000	-0.38696	1				
		1653	-28.00000	0.00000	99.75000	0.00000
0.00000	-0.48306	1				
		1654	-27.00000	0.00000	99.75000	0.00000
0.00000	-0.61193	1				
		1655	-26.00000	0.00000	99.75000	0.00000
0.00000	-0.97465	1				
		1656	-25.00000	0.00000	99.75000	0.00000
0.00000	-2.29196	1				
		1657	-24.00000	0.00000	99.75000	0.00000
0.00000	-2.50178	1				
		1658	-23.00000	0.00000	99.75000	0.00000
0.00000	-2.61216	1				
		1659	-22.00000	0.00000	99.75000	0.00000
0.00000	-2.69107	1				
		1660	-21.00000	0.00000	99.75000	0.00000
0.00000	-2.74561	1				
		1661	-20.00000	0.00000	99.75000	0.00000
0.00000	-2.78065	1				
		1662	-19.00000	0.00000	99.75000	0.00000
0.00000	-2.79937	1				
		1663	-18.00000	0.00000	99.75000	0.00000
0.00000	-2.80345	1				
		1664	-17.00000	0.00000	99.75000	0.00000
0.00000	-2.79327	1				
		1665	-16.00000	0.00000	99.75000	0.00000
0.00000	-2.76792	1				
		1666	-15.00000	0.00000	99.75000	0.00000
0.00000	-2.72514	1				
		1667	-14.00000	0.00000	99.75000	0.00000
0.00000	-2.66106	1				
		1668	-13.00000	0.00000	99.75000	0.00000
0.00000	-2.57014	1				
		1669	-12.00000	0.00000	99.75000	0.00000
0.00000	-2.44047	1				
		1670	-11.00000	0.00000	99.75000	0.00000
0.00000	-1.98909	1				
		1671	-10.00000	0.00000	99.75000	0.00000
0.00000	-0.73787	1				
		1672	-9.00000	0.00000	99.75000	0.00000
0.00000	-0.55247	1				
		1673	-8.00000	0.00000	99.75000	0.00000
0.00000	-0.43960	1				
		1674	-7.00000	0.00000	99.75000	0.00000
0.00000	-0.35377	1				
		1675	-6.00000	0.00000	99.75000	0.00000
0.00000	-0.28793	1				
		1676	-5.00000	0.00000	99.75000	0.00000
0.00000	-0.23678	1				
		1677	-4.00000	0.00000	99.75000	0.00000
0.00000	-0.19646	1				
		1678	-3.00000	0.00000	99.75000	0.00000
0.00000	-0.16421	1				
		1679	-2.00000	0.00000	99.75000	0.00000
0.00000	-0.13806	1				
		1680	-1.00000	0.00000	99.75000	0.00000
0.00000	-0.11661	1				
		1681	0.00000	0.00000	99.75000	0.00000
0.00000	-0.09882	1				
		1682	-40.00000	1.00000	99.75000	0.00000
0.00000	-0.05564	1				
		1683	-39.00000	1.00000	99.75000	0.00000
0.00000	-0.06543	1				
		1684	-38.00000	1.00000	99.75000	0.00000
0.00000	-0.07694	1				
		1685	-37.00000	1.00000	99.75000	0.00000
0.00000	-0.09053	1				
		1686	-36.00000	1.00000	99.75000	0.00000
0.00000	-0.10672	1				
		1687	-35.00000	1.00000	99.75000	0.00000
0.00000	-0.12617	1				
		1688	-34.00000	1.00000	99.75000	0.00000
0.00000	-0.14977	1				
		1689	-33.00000	1.00000	99.75000	0.00000
0.00000	-0.17873	1				



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements:	Set: Displacements:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.21470	1	1690	-32.00000	1.00000	99.75000	0.00000
0.00000	-0.26004	1	1691	-31.00000	1.00000	99.75000	0.00000
0.00000	-0.31804	1	1692	-30.00000	1.00000	99.75000	0.00000
0.00000	-0.39327	1	1693	-29.00000	1.00000	99.75000	0.00000
0.00000	-0.49177	1	1694	-28.00000	1.00000	99.75000	0.00000
0.00000	-0.62378	1	1695	-27.00000	1.00000	99.75000	0.00000
0.00000	-0.99114	1	1696	-26.00000	1.00000	99.75000	0.00000
0.00000	-2.31165	1	1697	-25.00000	1.00000	99.75000	0.00000
0.00000	-2.52458	1	1698	-24.00000	1.00000	99.75000	0.00000
0.00000	-2.63776	1	1699	-23.00000	1.00000	99.75000	0.00000
0.00000	-2.71873	1	1700	-22.00000	1.00000	99.75000	0.00000
0.00000	-2.77470	1	1701	-21.00000	1.00000	99.75000	0.00000
0.00000	-2.81065	1	1702	-20.00000	1.00000	99.75000	0.00000
0.00000	-2.82985	1	1703	-19.00000	1.00000	99.75000	0.00000
0.00000	-2.83407	1	1704	-18.00000	1.00000	99.75000	0.00000
0.00000	-2.82368	1	1705	-17.00000	1.00000	99.75000	0.00000
0.00000	-2.79774	1	1706	-16.00000	1.00000	99.75000	0.00000
0.00000	-2.75389	1	1707	-15.00000	1.00000	99.75000	0.00000
0.00000	-2.68814	1	1708	-14.00000	1.00000	99.75000	0.00000
0.00000	-2.59482	1	1709	-13.00000	1.00000	99.75000	0.00000
0.00000	-2.46194	1	1710	-12.00000	1.00000	99.75000	0.00000
0.00000	-2.00573	1	1711	-11.00000	1.00000	99.75000	0.00000
0.00000	-0.75155	1	1712	-10.00000	1.00000	99.75000	0.00000
0.00000	-0.56290	1	1713	-9.00000	1.00000	99.75000	0.00000
0.00000	-0.44722	1	1714	-8.00000	1.00000	99.75000	0.00000
0.00000	-0.35929	1	1715	-7.00000	1.00000	99.75000	0.00000
0.00000	-0.29193	1	1716	-6.00000	1.00000	99.75000	0.00000
0.00000	-0.23972	1	1717	-5.00000	1.00000	99.75000	0.00000
0.00000	-0.19864	1	1718	-4.00000	1.00000	99.75000	0.00000
0.00000	-0.16585	1	1719	-3.00000	1.00000	99.75000	0.00000
0.00000	-0.13931	1	1720	-2.00000	1.00000	99.75000	0.00000
0.00000	-0.11758	1	1721	-1.00000	1.00000	99.75000	0.00000
0.00000	-0.09958	1	1722	0.00000	1.00000	99.75000	0.00000
0.00000	-0.05554	1	1723	-40.00000	2.00000	99.75000	0.00000
0.00000	-0.06531	1	1724	-39.00000	2.00000	99.75000	0.00000
0.00000	-0.07678	1	1725	-38.00000	2.00000	99.75000	0.00000
0.00000	-0.09034	1	1726	-37.00000	2.00000	99.75000	0.00000
0.00000	-0.10648	1	1727	-36.00000	2.00000	99.75000	0.00000
			1728	-35.00000	2.00000	99.75000	0.00000



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Drg. Ref.		
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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.12586	1				
		1729	-34.00000	2.00000	99.75000	0.00000
0.00000	-0.14936	1				
		1730	-33.00000	2.00000	99.75000	0.00000
0.00000	-0.17818	1				
		1731	-32.00000	2.00000	99.75000	0.00000
0.00000	-0.21397	1				
		1732	-31.00000	2.00000	99.75000	0.00000
0.00000	-0.25906	1				
		1733	-30.00000	2.00000	99.75000	0.00000
0.00000	-0.31669	1				
		1734	-29.00000	2.00000	99.75000	0.00000
0.00000	-0.39141	1				
		1735	-28.00000	2.00000	99.75000	0.00000
0.00000	-0.48922	1				
		1736	-27.00000	2.00000	99.75000	0.00000
0.00000	-0.62035	1				
		1737	-26.00000	2.00000	99.75000	0.00000
0.00000	-0.98761	1				
		1738	-25.00000	2.00000	99.75000	0.00000
0.00000	-2.30637	1				
		1739	-24.00000	2.00000	99.75000	0.00000
0.00000	-2.51789	1				
		1740	-23.00000	2.00000	99.75000	0.00000
0.00000	-2.63021	1				
		1741	-22.00000	2.00000	99.75000	0.00000
0.00000	-2.71057	1				
		1742	-21.00000	2.00000	99.75000	0.00000
0.00000	-2.76613	1				
		1743	-20.00000	2.00000	99.75000	0.00000
0.00000	-2.80184	1				
		1744	-19.00000	2.00000	99.75000	0.00000
0.00000	-2.82095	1				
		1745	-18.00000	2.00000	99.75000	0.00000
0.00000	-2.82517	1				
		1746	-17.00000	2.00000	99.75000	0.00000
0.00000	-2.81488	1				
		1747	-16.00000	2.00000	99.75000	0.00000
0.00000	-2.78915	1				
		1748	-15.00000	2.00000	99.75000	0.00000
0.00000	-2.74564	1				
		1749	-14.00000	2.00000	99.75000	0.00000
0.00000	-2.68039	1				
		1750	-13.00000	2.00000	99.75000	0.00000
0.00000	-2.58775	1				
		1751	-12.00000	2.00000	99.75000	0.00000
0.00000	-2.45571	1				
		1752	-11.00000	2.00000	99.75000	0.00000
0.00000	-1.99943	1				
		1753	-10.00000	2.00000	99.75000	0.00000
0.00000	-0.74723	1				
		1754	-9.00000	2.00000	99.75000	0.00000
0.00000	-0.55983	1				
		1755	-8.00000	2.00000	99.75000	0.00000
0.00000	-0.44498	1				
		1756	-7.00000	2.00000	99.75000	0.00000
0.00000	-0.35767	1				
		1757	-6.00000	2.00000	99.75000	0.00000
0.00000	-0.29076	1				
		1758	-5.00000	2.00000	99.75000	0.00000
0.00000	-0.23886	1				
		1759	-4.00000	2.00000	99.75000	0.00000
0.00000	-0.19801	1				
		1760	-3.00000	2.00000	99.75000	0.00000
0.00000	-0.16537	1				
		1761	-2.00000	2.00000	99.75000	0.00000
0.00000	-0.13895	1				
		1762	-1.00000	2.00000	99.75000	0.00000
0.00000	-0.11729	1				
		1763	0.00000	2.00000	99.75000	0.00000
0.00000	-0.09936	1				
		1764	-40.00000	3.00000	99.75000	0.00000
0.00000	-0.05499	1				
		1765	-39.00000	3.00000	99.75000	0.00000
0.00000	-0.06464	1				
		1766	-38.00000	3.00000	99.75000	0.00000
0.00000	-0.07595	1				



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Job No.	Sheet No.	Rev.
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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.08929	1	1767	-37.00000	3.00000	99.75000	0.00000
0.00000	-0.10515	1	1768	-36.00000	3.00000	99.75000	0.00000
0.00000	-0.12416	1	1769	-35.00000	3.00000	99.75000	0.00000
0.00000	-0.14716	1	1770	-34.00000	3.00000	99.75000	0.00000
0.00000	-0.17529	1	1771	-33.00000	3.00000	99.75000	0.00000
0.00000	-0.21011	1	1772	-32.00000	3.00000	99.75000	0.00000
0.00000	-0.25382	1	1773	-31.00000	3.00000	99.75000	0.00000
0.00000	-0.30950	1	1774	-30.00000	3.00000	99.75000	0.00000
0.00000	-0.38146	1	1775	-29.00000	3.00000	99.75000	0.00000
0.00000	-0.47546	1	1776	-28.00000	3.00000	99.75000	0.00000
0.00000	-0.60161	1	1777	-27.00000	3.00000	99.75000	0.00000
0.00000	-0.96384	1	1778	-26.00000	3.00000	99.75000	0.00000
0.00000	-2.27567	1	1779	-25.00000	3.00000	99.75000	0.00000
0.00000	-2.48112	1	1780	-24.00000	3.00000	99.75000	0.00000
0.00000	-2.58887	1	1781	-23.00000	3.00000	99.75000	0.00000
0.00000	-2.66594	1	1782	-22.00000	3.00000	99.75000	0.00000
0.00000	-2.71929	1	1783	-21.00000	3.00000	99.75000	0.00000
0.00000	-2.75364	1	1784	-20.00000	3.00000	99.75000	0.00000
0.00000	-2.77206	1	1785	-19.00000	3.00000	99.75000	0.00000
0.00000	-2.77616	1	1786	-18.00000	3.00000	99.75000	0.00000
0.00000	-2.76629	1	1787	-17.00000	3.00000	99.75000	0.00000
0.00000	-2.74158	1	1788	-16.00000	3.00000	99.75000	0.00000
0.00000	-2.69981	1	1789	-15.00000	3.00000	99.75000	0.00000
0.00000	-2.63721	1	1790	-14.00000	3.00000	99.75000	0.00000
0.00000	-2.54836	1	1791	-13.00000	3.00000	99.75000	0.00000
0.00000	-2.42130	1	1792	-12.00000	3.00000	99.75000	0.00000
0.00000	-1.96991	1	1793	-11.00000	3.00000	99.75000	0.00000
0.00000	-0.72485	1	1794	-10.00000	3.00000	99.75000	0.00000
0.00000	-0.54330	1	1795	-9.00000	3.00000	99.75000	0.00000
0.00000	-0.43297	1	1796	-8.00000	3.00000	99.75000	0.00000
0.00000	-0.34901	1	1797	-7.00000	3.00000	99.75000	0.00000
0.00000	-0.28449	1	1798	-6.00000	3.00000	99.75000	0.00000
0.00000	-0.23427	1	1799	-5.00000	3.00000	99.75000	0.00000
0.00000	-0.19460	1	1800	-4.00000	3.00000	99.75000	0.00000
0.00000	-0.16280	1	1801	-3.00000	3.00000	99.75000	0.00000
0.00000	-0.13698	1	1802	-2.00000	3.00000	99.75000	0.00000
0.00000	-0.11577	1	1803	-1.00000	3.00000	99.75000	0.00000
0.00000	-0.09817	1	1804	0.00000	3.00000	99.75000	0.00000
			1805	-40.00000	4.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.05402	1				
		1806	-39.00000	4.00000	99.75000	0.00000
0.00000	-0.06344	1				
		1807	-38.00000	4.00000	99.75000	0.00000
0.00000	-0.07447	1				
		1808	-37.00000	4.00000	99.75000	0.00000
0.00000	-0.08744	1				
		1809	-36.00000	4.00000	99.75000	0.00000
0.00000	-0.10281	1				
		1810	-35.00000	4.00000	99.75000	0.00000
0.00000	-0.12117	1				
		1811	-34.00000	4.00000	99.75000	0.00000
0.00000	-0.14329	1				
		1812	-33.00000	4.00000	99.75000	0.00000
0.00000	-0.17020	1				
		1813	-32.00000	4.00000	99.75000	0.00000
0.00000	-0.20333	1				
		1814	-31.00000	4.00000	99.75000	0.00000
0.00000	-0.24465	1				
		1815	-30.00000	4.00000	99.75000	0.00000
0.00000	-0.29691	1				
		1816	-29.00000	4.00000	99.75000	0.00000
0.00000	-0.36395	1				
		1817	-28.00000	4.00000	99.75000	0.00000
0.00000	-0.45097	1				
		1818	-27.00000	4.00000	99.75000	0.00000
0.00000	-0.56762	1				
		1819	-26.00000	4.00000	99.75000	0.00000
0.00000	-0.91887	1				
		1820	-25.00000	4.00000	99.75000	0.00000
0.00000	-2.21729	1				
		1821	-24.00000	4.00000	99.75000	0.00000
0.00000	-2.41118	1				
		1822	-23.00000	4.00000	99.75000	0.00000
0.00000	-2.51040	1				
		1823	-22.00000	4.00000	99.75000	0.00000
0.00000	-2.58150	1				
		1824	-21.00000	4.00000	99.75000	0.00000
0.00000	-2.63094	1				
		1825	-20.00000	4.00000	99.75000	0.00000
0.00000	-2.66290	1				
		1826	-19.00000	4.00000	99.75000	0.00000
0.00000	-2.68011	1				
		1827	-18.00000	4.00000	99.75000	0.00000
0.00000	-2.68399	1				
		1828	-17.00000	4.00000	99.75000	0.00000
0.00000	-2.67484	1				
		1829	-16.00000	4.00000	99.75000	0.00000
0.00000	-2.65188	1				
		1830	-15.00000	4.00000	99.75000	0.00000
0.00000	-2.61315	1				
		1831	-14.00000	4.00000	99.75000	0.00000
0.00000	-2.55531	1				
		1832	-13.00000	4.00000	99.75000	0.00000
0.00000	-2.47345	1				
		1833	-12.00000	4.00000	99.75000	0.00000
0.00000	-2.35599	1				
		1834	-11.00000	4.00000	99.75000	0.00000
0.00000	-1.91551	1				
		1835	-10.00000	4.00000	99.75000	0.00000
0.00000	-0.68399	1				
		1836	-9.00000	4.00000	99.75000	0.00000
0.00000	-0.51365	1				
		1837	-8.00000	4.00000	99.75000	0.00000
0.00000	-0.41173	1				
		1838	-7.00000	4.00000	99.75000	0.00000
0.00000	-0.33381	1				
		1839	-6.00000	4.00000	99.75000	0.00000
0.00000	-0.27350	1				
		1840	-5.00000	4.00000	99.75000	0.00000
0.00000	-0.22622	1				
		1841	-4.00000	4.00000	99.75000	0.00000
0.00000	-0.18861	1				
		1842	-3.00000	4.00000	99.75000	0.00000
0.00000	-0.15828	1				
		1843	-2.00000	4.00000	99.75000	0.00000
0.00000	-0.13352	1				



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Ground Movement Assessment
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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.11308	1	1844	-1.00000	4.00000	99.75000	0.00000
0.00000	-0.09606	1	1845	0.00000	4.00000	99.75000	0.00000
0.00000	-0.05265	1	1846	-40.00000	5.00000	99.75000	0.00000
0.00000	-0.06176	1	1847	-39.00000	5.00000	99.75000	0.00000
0.00000	-0.07239	1	1848	-38.00000	5.00000	99.75000	0.00000
0.00000	-0.08485	1	1849	-37.00000	5.00000	99.75000	0.00000
0.00000	-0.09955	1	1850	-36.00000	5.00000	99.75000	0.00000
0.00000	-0.11702	1	1851	-35.00000	5.00000	99.75000	0.00000
0.00000	-0.13793	1	1852	-34.00000	5.00000	99.75000	0.00000
0.00000	-0.16320	1	1853	-33.00000	5.00000	99.75000	0.00000
0.00000	-0.19405	1	1854	-32.00000	5.00000	99.75000	0.00000
0.00000	-0.23214	1	1855	-31.00000	5.00000	99.75000	0.00000
0.00000	-0.27975	1	1856	-30.00000	5.00000	99.75000	0.00000
0.00000	-0.34002	1	1857	-29.00000	5.00000	99.75000	0.00000
0.00000	-0.41711	1	1858	-28.00000	5.00000	99.75000	0.00000
0.00000	-0.51920	1	1859	-27.00000	5.00000	99.75000	0.00000
0.00000	-0.84601	1	1860	-26.00000	5.00000	99.75000	0.00000
0.00000	-2.10717	1	1861	-25.00000	5.00000	99.75000	0.00000
0.00000	-2.28046	1	1862	-24.00000	5.00000	99.75000	0.00000
0.00000	-2.36720	1	1863	-23.00000	5.00000	99.75000	0.00000
0.00000	-2.43007	1	1864	-22.00000	5.00000	99.75000	0.00000
0.00000	-2.47427	1	1865	-21.00000	5.00000	99.75000	0.00000
0.00000	-2.50314	1	1866	-20.00000	5.00000	99.75000	0.00000
0.00000	-2.51885	1	1867	-19.00000	5.00000	99.75000	0.00000
0.00000	-2.52254	1	1868	-18.00000	5.00000	99.75000	0.00000
0.00000	-2.51447	1	1869	-17.00000	5.00000	99.75000	0.00000
0.00000	-2.49400	1	1870	-16.00000	5.00000	99.75000	0.00000
0.00000	-2.45953	1	1871	-15.00000	5.00000	99.75000	0.00000
0.00000	-2.40840	1	1872	-14.00000	5.00000	99.75000	0.00000
0.00000	-2.33668	1	1873	-13.00000	5.00000	99.75000	0.00000
0.00000	-2.23433	1	1874	-12.00000	5.00000	99.75000	0.00000
0.00000	-1.81962	1	1875	-11.00000	5.00000	99.75000	0.00000
0.00000	-0.62327	1	1876	-10.00000	5.00000	99.75000	0.00000
0.00000	-0.47214	1	1877	-9.00000	5.00000	99.75000	0.00000
0.00000	-0.38255	1	1878	-8.00000	5.00000	99.75000	0.00000
0.00000	-0.31306	1	1879	-7.00000	5.00000	99.75000	0.00000
0.00000	-0.25852	1	1880	-6.00000	5.00000	99.75000	0.00000
0.00000	-0.21522	1	1881	-5.00000	5.00000	99.75000	0.00000
			1882	-4.00000	5.00000	99.75000	0.00000



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.18039	1				
		1883	-3.00000	5.00000	99.75000	0.00000
0.00000	-0.15204	1				
		1884	-2.00000	5.00000	99.75000	0.00000
0.00000	-0.12872	1				
		1885	-1.00000	5.00000	99.75000	0.00000
0.00000	-0.10934	1				
		1886	0.00000	5.00000	99.75000	0.00000
0.00000	-0.09310	1				
		1887	-40.00000	6.00000	99.75000	0.00000
0.00000	-0.05092	1				
		1888	-39.00000	6.00000	99.75000	0.00000
0.00000	-0.05965	1				
		1889	-38.00000	6.00000	99.75000	0.00000
0.00000	-0.06979	1				
		1890	-37.00000	6.00000	99.75000	0.00000
0.00000	-0.08162	1				
		1891	-36.00000	6.00000	99.75000	0.00000
0.00000	-0.09550	1				
		1892	-35.00000	6.00000	99.75000	0.00000
0.00000	-0.11188	1				
		1893	-34.00000	6.00000	99.75000	0.00000
0.00000	-0.13135	1				
		1894	-33.00000	6.00000	99.75000	0.00000
0.00000	-0.15467	1				
		1895	-32.00000	6.00000	99.75000	0.00000
0.00000	-0.18281	1				
		1896	-31.00000	6.00000	99.75000	0.00000
0.00000	-0.21709	1				
		1897	-30.00000	6.00000	99.75000	0.00000
0.00000	-0.25924	1				
		1898	-29.00000	6.00000	99.75000	0.00000
0.00000	-0.31152	1				
		1899	-28.00000	6.00000	99.75000	0.00000
0.00000	-0.37670	1				
		1900	-27.00000	6.00000	99.75000	0.00000
0.00000	-0.45907	1				
		1901	-26.00000	6.00000	99.75000	0.00000
0.00000	-0.63832	1				
		1902	-25.00000	6.00000	99.75000	0.00000
0.00000	-1.00843	1				
		1903	-24.00000	6.00000	99.75000	0.00000
0.00000	-1.12349	1				
		1904	-23.00000	6.00000	99.75000	0.00000
0.00000	-1.19437	1				
		1905	-22.00000	6.00000	99.75000	0.00000
0.00000	-1.24724	1				
		1906	-21.00000	6.00000	99.75000	0.00000
0.00000	-1.28507	1				
		1907	-20.00000	6.00000	99.75000	0.00000
0.00000	-1.31005	1				
		1908	-19.00000	6.00000	99.75000	0.00000
0.00000	-1.32369	1				
		1909	-18.00000	6.00000	99.75000	0.00000
0.00000	-1.32682	1				
		1910	-17.00000	6.00000	99.75000	0.00000
0.00000	-1.31961	1				
		1911	-16.00000	6.00000	99.75000	0.00000
0.00000	-1.30159	1				
		1912	-15.00000	6.00000	99.75000	0.00000
0.00000	-1.27164	1				
		1913	-14.00000	6.00000	99.75000	0.00000
0.00000	-1.22789	1				
		1914	-13.00000	6.00000	99.75000	0.00000
0.00000	-1.16785	1				
		1915	-12.00000	6.00000	99.75000	0.00000
0.00000	-1.08648	1				
		1916	-11.00000	6.00000	99.75000	0.00000
0.00000	-0.86670	1				
		1917	-10.00000	6.00000	99.75000	0.00000
0.00000	-0.52962	1				
		1918	-9.00000	6.00000	99.75000	0.00000
0.00000	-0.42208	1				
		1919	-8.00000	6.00000	99.75000	0.00000
0.00000	-0.34779	1				
		1920	-7.00000	6.00000	99.75000	0.00000
0.00000	-0.28833	1				



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Set: Displacements: Ref. y	Set: Displacements: Name z	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
0.00000	-0.24057	1	1921	-6.00000	6.00000	99.75000	0.00000
0.00000	-0.20194	1	1922	-5.00000	6.00000	99.75000	0.00000
0.00000	-0.17040	1	1923	-4.00000	6.00000	99.75000	0.00000
0.00000	-0.14441	1	1924	-3.00000	6.00000	99.75000	0.00000
0.00000	-0.12280	1	1925	-2.00000	6.00000	99.75000	0.00000
0.00000	-0.10470	1	1926	-1.00000	6.00000	99.75000	0.00000
0.00000	-0.08942	1	1927	0.00000	6.00000	99.75000	0.00000
0.00000	-0.04887	1	1928	-40.00000	7.00000	99.75000	0.00000
0.00000	-0.05716	1	1929	-39.00000	7.00000	99.75000	0.00000
0.00000	-0.06673	1	1930	-38.00000	7.00000	99.75000	0.00000
0.00000	-0.07785	1	1931	-37.00000	7.00000	99.75000	0.00000
0.00000	-0.09080	1	1932	-36.00000	7.00000	99.75000	0.00000
0.00000	-0.10598	1	1933	-35.00000	7.00000	99.75000	0.00000
0.00000	-0.12385	1	1934	-34.00000	7.00000	99.75000	0.00000
0.00000	-0.14501	1	1935	-33.00000	7.00000	99.75000	0.00000
0.00000	-0.17022	1	1936	-32.00000	7.00000	99.75000	0.00000
0.00000	-0.20044	1	1937	-31.00000	7.00000	99.75000	0.00000
0.00000	-0.23684	1	1938	-30.00000	7.00000	99.75000	0.00000
0.00000	-0.28083	1	1939	-29.00000	7.00000	99.75000	0.00000
0.00000	-0.33385	1	1940	-28.00000	7.00000	99.75000	0.00000
0.00000	-0.39685	1	1941	-27.00000	7.00000	99.75000	0.00000
0.00000	-0.47061	1	1942	-26.00000	7.00000	99.75000	0.00000
0.00000	-0.54963	1	1943	-25.00000	7.00000	99.75000	0.00000
0.00000	-0.61730	1	1944	-24.00000	7.00000	99.75000	0.00000
0.00000	-0.67220	1	1945	-23.00000	7.00000	99.75000	0.00000
0.00000	-0.71480	1	1946	-22.00000	7.00000	99.75000	0.00000
0.00000	-0.74603	1	1947	-21.00000	7.00000	99.75000	0.00000
0.00000	-0.76701	1	1948	-20.00000	7.00000	99.75000	0.00000
0.00000	-0.77862	1	1949	-19.00000	7.00000	99.75000	0.00000
0.00000	-0.78137	1	1950	-18.00000	7.00000	99.75000	0.00000
0.00000	-0.77537	1	1951	-17.00000	7.00000	99.75000	0.00000
0.00000	-0.76031	1	1952	-16.00000	7.00000	99.75000	0.00000
0.00000	-0.73550	1	1953	-15.00000	7.00000	99.75000	0.00000
0.00000	-0.69992	1	1954	-14.00000	7.00000	99.75000	0.00000
0.00000	-0.65240	1	1955	-13.00000	7.00000	99.75000	0.00000
0.00000	-0.59223	1	1956	-12.00000	7.00000	99.75000	0.00000
0.00000	-0.51847	1	1957	-11.00000	7.00000	99.75000	0.00000
0.00000	-0.43881	1	1958	-10.00000	7.00000	99.75000	0.00000
			1959	-9.00000	7.00000	99.75000	0.00000



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.36950	1				
		1960	-8.00000	7.00000	99.75000	0.00000
0.00000	-0.31065	1				
		1961	-7.00000	7.00000	99.75000	0.00000
0.00000	-0.26151	1				
		1962	-6.00000	7.00000	99.75000	0.00000
0.00000	-0.22084	1				
		1963	-5.00000	7.00000	99.75000	0.00000
0.00000	-0.18717	1				
		1964	-4.00000	7.00000	99.75000	0.00000
0.00000	-0.15916	1				
		1965	-3.00000	7.00000	99.75000	0.00000
0.00000	-0.13574	1				
		1966	-2.00000	7.00000	99.75000	0.00000
0.00000	-0.11603	1				
		1967	-1.00000	7.00000	99.75000	0.00000
0.00000	-0.09935	1				
		1968	0.00000	7.00000	99.75000	0.00000
0.00000	-0.08515	1				
		1969	-40.00000	8.00000	99.75000	0.00000
0.00000	-0.04656	1				
		1970	-39.00000	8.00000	99.75000	0.00000
0.00000	-0.05436	1				
		1971	-38.00000	8.00000	99.75000	0.00000
0.00000	-0.06333	1				
		1972	-37.00000	8.00000	99.75000	0.00000
0.00000	-0.07366	1				
		1973	-36.00000	8.00000	99.75000	0.00000
0.00000	-0.08563	1				
		1974	-35.00000	8.00000	99.75000	0.00000
0.00000	-0.09952	1				
		1975	-34.00000	8.00000	99.75000	0.00000
0.00000	-0.11571	1				
		1976	-33.00000	8.00000	99.75000	0.00000
0.00000	-0.13466	1				
		1977	-32.00000	8.00000	99.75000	0.00000
0.00000	-0.15691	1				
		1978	-31.00000	8.00000	99.75000	0.00000
0.00000	-0.18309	1				
		1979	-30.00000	8.00000	99.75000	0.00000
0.00000	-0.21394	1				
		1980	-29.00000	8.00000	99.75000	0.00000
0.00000	-0.25020	1				
		1981	-28.00000	8.00000	99.75000	0.00000
0.00000	-0.29238	1				
		1982	-27.00000	8.00000	99.75000	0.00000
0.00000	-0.34033	1				
		1983	-26.00000	8.00000	99.75000	0.00000
0.00000	-0.39243	1				
		1984	-25.00000	8.00000	99.75000	0.00000
0.00000	-0.44505	1				
		1985	-24.00000	8.00000	99.75000	0.00000
0.00000	-0.49371	1				
		1986	-23.00000	8.00000	99.75000	0.00000
0.00000	-0.53533	1				
		1987	-22.00000	8.00000	99.75000	0.00000
0.00000	-0.56871	1				
		1988	-21.00000	8.00000	99.75000	0.00000
0.00000	-0.59377	1				
		1989	-20.00000	8.00000	99.75000	0.00000
0.00000	-0.61086	1				
		1990	-19.00000	8.00000	99.75000	0.00000
0.00000	-0.62040	1				
		1991	-18.00000	8.00000	99.75000	0.00000
0.00000	-0.62261	1				
		1992	-17.00000	8.00000	99.75000	0.00000
0.00000	-0.61757	1				
		1993	-16.00000	8.00000	99.75000	0.00000
0.00000	-0.60511	1				
		1994	-15.00000	8.00000	99.75000	0.00000
0.00000	-0.58490	1				
		1995	-14.00000	8.00000	99.75000	0.00000
0.00000	-0.55649	1				
		1996	-13.00000	8.00000	99.75000	0.00000
0.00000	-0.51964	1				
		1997	-12.00000	8.00000	99.75000	0.00000
0.00000	-0.47476	1				



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.42382	1	1998	-11.00000	8.00000	99.75000	0.00000
0.00000	-0.37070	1	1999	-10.00000	8.00000	99.75000	0.00000
0.00000	-0.31988	1	2000	-9.00000	8.00000	99.75000	0.00000
0.00000	-0.27417	1	2001	-8.00000	8.00000	99.75000	0.00000
0.00000	-0.23445	1	2002	-7.00000	8.00000	99.75000	0.00000
0.00000	-0.20050	1	2003	-6.00000	8.00000	99.75000	0.00000
0.00000	-0.17167	1	2004	-5.00000	8.00000	99.75000	0.00000
0.00000	-0.14720	1	2005	-4.00000	8.00000	99.75000	0.00000
0.00000	-0.12640	1	2006	-3.00000	8.00000	99.75000	0.00000
0.00000	-0.10865	1	2007	-2.00000	8.00000	99.75000	0.00000
0.00000	-0.09347	1	2008	-1.00000	8.00000	99.75000	0.00000
0.00000	-0.08042	1	2009	0.00000	8.00000	99.75000	0.00000
0.00000	-0.04405	1	2010	-40.00000	9.00000	99.75000	0.00000
0.00000	-0.05133	1	2011	-39.00000	9.00000	99.75000	0.00000
0.00000	-0.05965	1	2012	-38.00000	9.00000	99.75000	0.00000
0.00000	-0.06918	1	2013	-37.00000	9.00000	99.75000	0.00000
0.00000	-0.08012	1	2014	-36.00000	9.00000	99.75000	0.00000
0.00000	-0.09272	1	2015	-35.00000	9.00000	99.75000	0.00000
0.00000	-0.10724	1	2016	-34.00000	9.00000	99.75000	0.00000
0.00000	-0.12401	1	2017	-33.00000	9.00000	99.75000	0.00000
0.00000	-0.14341	1	2018	-32.00000	9.00000	99.75000	0.00000
0.00000	-0.16583	1	2019	-31.00000	9.00000	99.75000	0.00000
0.00000	-0.19166	1	2020	-30.00000	9.00000	99.75000	0.00000
0.00000	-0.22121	1	2021	-29.00000	9.00000	99.75000	0.00000
0.00000	-0.25454	1	2022	-28.00000	9.00000	99.75000	0.00000
0.00000	-0.29117	1	2023	-27.00000	9.00000	99.75000	0.00000
0.00000	-0.32981	1	2024	-26.00000	9.00000	99.75000	0.00000
0.00000	-0.36834	1	2025	-25.00000	9.00000	99.75000	0.00000
0.00000	-0.40431	1	2026	-24.00000	9.00000	99.75000	0.00000
0.00000	-0.43578	1	2027	-23.00000	9.00000	99.75000	0.00000
0.00000	-0.46163	1	2028	-22.00000	9.00000	99.75000	0.00000
0.00000	-0.48144	1	2029	-21.00000	9.00000	99.75000	0.00000
0.00000	-0.49516	1	2030	-20.00000	9.00000	99.75000	0.00000
0.00000	-0.50287	1	2031	-19.00000	9.00000	99.75000	0.00000
0.00000	-0.50466	1	2032	-18.00000	9.00000	99.75000	0.00000
0.00000	-0.50055	1	2033	-17.00000	9.00000	99.75000	0.00000
0.00000	-0.49047	1	2034	-16.00000	9.00000	99.75000	0.00000
0.00000	-0.47432	1	2035	-15.00000	9.00000	99.75000	0.00000
			2036	-14.00000	9.00000	99.75000	0.00000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.45203	1				
		2037	-13.00000	9.00000	99.75000	0.00000
0.00000	-0.42376	1				
		2038	-12.00000	9.00000	99.75000	0.00000
0.00000	-0.39019	1				
		2039	-11.00000	9.00000	99.75000	0.00000
0.00000	-0.35279	1				
		2040	-10.00000	9.00000	99.75000	0.00000
0.00000	-0.31383	1				
		2041	-9.00000	9.00000	99.75000	0.00000
0.00000	-0.27573	1				
		2042	-8.00000	9.00000	99.75000	0.00000
0.00000	-0.24031	1				
		2043	-7.00000	9.00000	99.75000	0.00000
0.00000	-0.20850	1				
		2044	-6.00000	9.00000	99.75000	0.00000
0.00000	-0.18050	1				
		2045	-5.00000	9.00000	99.75000	0.00000
0.00000	-0.15612	1				
		2046	-4.00000	9.00000	99.75000	0.00000
0.00000	-0.13500	1				
		2047	-3.00000	9.00000	99.75000	0.00000
0.00000	-0.11673	1				
		2048	-2.00000	9.00000	99.75000	0.00000
0.00000	-0.10093	1				
		2049	-1.00000	9.00000	99.75000	0.00000
0.00000	-0.08725	1				
		2050	0.00000	9.00000	99.75000	0.00000
0.00000	-0.07538	1				
		2051	-40.00000	10.00000	99.75000	0.00000
0.00000	-0.04138	1				
		2052	-39.00000	10.00000	99.75000	0.00000
0.00000	-0.04813	1				
		2053	-38.00000	10.00000	99.75000	0.00000
0.00000	-0.05579	1				
		2054	-37.00000	10.00000	99.75000	0.00000
0.00000	-0.06451	1				
		2055	-36.00000	10.00000	99.75000	0.00000
0.00000	-0.07444	1				
		2056	-35.00000	10.00000	99.75000	0.00000
0.00000	-0.08576	1				
		2057	-34.00000	10.00000	99.75000	0.00000
0.00000	-0.09867	1				
		2058	-33.00000	10.00000	99.75000	0.00000
0.00000	-0.11340	1				
		2059	-32.00000	10.00000	99.75000	0.00000
0.00000	-0.13016	1				
		2060	-31.00000	10.00000	99.75000	0.00000
0.00000	-0.14921	1				
		2061	-30.00000	10.00000	99.75000	0.00000
0.00000	-0.17070	1				
		2062	-29.00000	10.00000	99.75000	0.00000
0.00000	-0.19471	1				
		2063	-28.00000	10.00000	99.75000	0.00000
0.00000	-0.22109	1				
		2064	-27.00000	10.00000	99.75000	0.00000
0.00000	-0.24936	1				
		2065	-26.00000	10.00000	99.75000	0.00000
0.00000	-0.27857	1				
		2066	-25.00000	10.00000	99.75000	0.00000
0.00000	-0.30741	1				
		2067	-24.00000	10.00000	99.75000	0.00000
0.00000	-0.33442	1				
		2068	-23.00000	10.00000	99.75000	0.00000
0.00000	-0.35835	1				
		2069	-22.00000	10.00000	99.75000	0.00000
0.00000	-0.37832	1				
		2070	-21.00000	10.00000	99.75000	0.00000
0.00000	-0.39386	1				
		2071	-20.00000	10.00000	99.75000	0.00000
0.00000	-0.40475	1				
		2072	-19.00000	10.00000	99.75000	0.00000
0.00000	-0.41092	1				
		2073	-18.00000	10.00000	99.75000	0.00000
0.00000	-0.41235	1				
		2074	-17.00000	10.00000	99.75000	0.00000
0.00000	-0.40904	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.40099	1	2075	-16.00000	10.00000	99.75000	0.00000
0.00000	-0.38821	1	2076	-15.00000	10.00000	99.75000	0.00000
0.00000	-0.37082	1	2077	-14.00000	10.00000	99.75000	0.00000
0.00000	-0.34913	1	2078	-13.00000	10.00000	99.75000	0.00000
0.00000	-0.32377	1	2079	-12.00000	10.00000	99.75000	0.00000
0.00000	-0.29578	1	2080	-11.00000	10.00000	99.75000	0.00000
0.00000	-0.26655	1	2081	-10.00000	10.00000	99.75000	0.00000
0.00000	-0.23754	1	2082	-9.00000	10.00000	99.75000	0.00000
0.00000	-0.20993	1	2083	-8.00000	10.00000	99.75000	0.00000
0.00000	-0.18447	1	2084	-7.00000	10.00000	99.75000	0.00000
0.00000	-0.16148	1	2085	-6.00000	10.00000	99.75000	0.00000
0.00000	-0.14101	1	2086	-5.00000	10.00000	99.75000	0.00000
0.00000	-0.12293	1	2087	-4.00000	10.00000	99.75000	0.00000
0.00000	-0.10704	1	2088	-3.00000	10.00000	99.75000	0.00000
0.00000	-0.09309	1	2089	-2.00000	10.00000	99.75000	0.00000
0.00000	-0.08087	1	2090	-1.00000	10.00000	99.75000	0.00000
0.00000	-0.07015	1	2091	0.00000	10.00000	99.75000	0.00000
0.00000	-0.03860	1	2092	-40.00000	11.00000	99.75000	0.00000
0.00000	-0.04482	1	2093	-39.00000	11.00000	99.75000	0.00000
0.00000	-0.05184	1	2094	-38.00000	11.00000	99.75000	0.00000
0.00000	-0.05976	1	2095	-37.00000	11.00000	99.75000	0.00000
0.00000	-0.06871	1	2096	-36.00000	11.00000	99.75000	0.00000
0.00000	-0.07882	1	2097	-35.00000	11.00000	99.75000	0.00000
0.00000	-0.09022	1	2098	-34.00000	11.00000	99.75000	0.00000
0.00000	-0.10305	1	2099	-33.00000	11.00000	99.75000	0.00000
0.00000	-0.11747	1	2100	-32.00000	11.00000	99.75000	0.00000
0.00000	-0.13357	1	2101	-31.00000	11.00000	99.75000	0.00000
0.00000	-0.15142	1	2102	-30.00000	11.00000	99.75000	0.00000
0.00000	-0.17095	1	2103	-29.00000	11.00000	99.75000	0.00000
0.00000	-0.19197	1	2104	-28.00000	11.00000	99.75000	0.00000
0.00000	-0.21405	1	2105	-27.00000	11.00000	99.75000	0.00000
0.00000	-0.23653	1	2106	-26.00000	11.00000	99.75000	0.00000
0.00000	-0.25853	1	2107	-25.00000	11.00000	99.75000	0.00000
0.00000	-0.27914	1	2108	-24.00000	11.00000	99.75000	0.00000
0.00000	-0.29751	1	2109	-23.00000	11.00000	99.75000	0.00000
0.00000	-0.31300	1	2110	-22.00000	11.00000	99.75000	0.00000
0.00000	-0.32517	1	2111	-21.00000	11.00000	99.75000	0.00000
0.00000	-0.33377	1	2112	-20.00000	11.00000	99.75000	0.00000
			2113	-19.00000	11.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements:	Set: Displacements:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	-0.33867	1				
		2114	-18.00000	11.00000	99.75000	0.00000
0.00000	-0.33980	1				
		2115	-17.00000	11.00000	99.75000	0.00000
0.00000	-0.33716	1				
		2116	-16.00000	11.00000	99.75000	0.00000
0.00000	-0.33076	1				
		2117	-15.00000	11.00000	99.75000	0.00000
0.00000	-0.32070	1				
		2118	-14.00000	11.00000	99.75000	0.00000
0.00000	-0.30713	1				
		2119	-13.00000	11.00000	99.75000	0.00000
0.00000	-0.29039	1				
		2120	-12.00000	11.00000	99.75000	0.00000
0.00000	-0.27098	1				
		2121	-11.00000	11.00000	99.75000	0.00000
0.00000	-0.24966	1				
		2122	-10.00000	11.00000	99.75000	0.00000
0.00000	-0.22731	1				
		2123	-9.00000	11.00000	99.75000	0.00000
0.00000	-0.20487	1				
		2124	-8.00000	11.00000	99.75000	0.00000
0.00000	-0.18314	1				
		2125	-7.00000	11.00000	99.75000	0.00000
0.00000	-0.16268	1				
		2126	-6.00000	11.00000	99.75000	0.00000
0.00000	-0.14381	1				
		2127	-5.00000	11.00000	99.75000	0.00000
0.00000	-0.12668	1				
		2128	-4.00000	11.00000	99.75000	0.00000
0.00000	-0.11128	1				
		2129	-3.00000	11.00000	99.75000	0.00000
0.00000	-0.09753	1				
		2130	-2.00000	11.00000	99.75000	0.00000
0.00000	-0.08531	1				
		2131	-1.00000	11.00000	99.75000	0.00000
0.00000	-0.07446	1				
		2132	0.00000	11.00000	99.75000	0.00000
0.00000	-0.06485	1				
		2133	-40.00000	12.00000	99.75000	0.00000
0.00000	-0.03577	1				
		2134	-39.00000	12.00000	99.75000	0.00000
0.00000	-0.04147	1				
		2135	-38.00000	12.00000	99.75000	0.00000
0.00000	-0.04785	1				
		2136	-37.00000	12.00000	99.75000	0.00000
0.00000	-0.05501	1				
		2137	-36.00000	12.00000	99.75000	0.00000
0.00000	-0.06303	1				
		2138	-35.00000	12.00000	99.75000	0.00000
0.00000	-0.07201	1				
		2139	-34.00000	12.00000	99.75000	0.00000
0.00000	-0.08202	1				
		2140	-33.00000	12.00000	99.75000	0.00000
0.00000	-0.09317	1				
		2141	-32.00000	12.00000	99.75000	0.00000
0.00000	-0.10552	1				
		2142	-31.00000	12.00000	99.75000	0.00000
0.00000	-0.11911	1				
		2143	-30.00000	12.00000	99.75000	0.00000
0.00000	-0.13393	1				
		2144	-29.00000	12.00000	99.75000	0.00000
0.00000	-0.14989	1				
		2145	-28.00000	12.00000	99.75000	0.00000
0.00000	-0.16677	1				
		2146	-27.00000	12.00000	99.75000	0.00000
0.00000	-0.18422	1				
		2147	-26.00000	12.00000	99.75000	0.00000
0.00000	-0.20178	1				
		2148	-25.00000	12.00000	99.75000	0.00000
0.00000	-0.21884	1				
		2149	-24.00000	12.00000	99.75000	0.00000
0.00000	-0.23480	1				
		2150	-23.00000	12.00000	99.75000	0.00000
0.00000	-0.24906	1				
		2151	-22.00000	12.00000	99.75000	0.00000
0.00000	-0.26114	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.27069	1	2152	-21.00000	12.00000	99.75000	0.00000
0.00000	-0.27748	1	2153	-20.00000	12.00000	99.75000	0.00000
0.00000	-0.28136	1	2154	-19.00000	12.00000	99.75000	0.00000
0.00000	-0.28226	1	2155	-18.00000	12.00000	99.75000	0.00000
0.00000	-0.28016	1	2156	-17.00000	12.00000	99.75000	0.00000
0.00000	-0.27509	1	2157	-16.00000	12.00000	99.75000	0.00000
0.00000	-0.26716	1	2158	-15.00000	12.00000	99.75000	0.00000
0.00000	-0.25653	1	2159	-14.00000	12.00000	99.75000	0.00000
0.00000	-0.24350	1	2160	-13.00000	12.00000	99.75000	0.00000
0.00000	-0.22847	1	2161	-12.00000	12.00000	99.75000	0.00000
0.00000	-0.21196	1	2162	-11.00000	12.00000	99.75000	0.00000
0.00000	-0.19460	1	2163	-10.00000	12.00000	99.75000	0.00000
0.00000	-0.17700	1	2164	-9.00000	12.00000	99.75000	0.00000
0.00000	-0.15971	1	2165	-8.00000	12.00000	99.75000	0.00000
0.00000	-0.14316	1	2166	-7.00000	12.00000	99.75000	0.00000
0.00000	-0.12765	1	2167	-6.00000	12.00000	99.75000	0.00000
0.00000	-0.11332	1	2168	-5.00000	12.00000	99.75000	0.00000
0.00000	-0.10024	1	2169	-4.00000	12.00000	99.75000	0.00000
0.00000	-0.08839	1	2170	-3.00000	12.00000	99.75000	0.00000
0.00000	-0.07772	1	2171	-2.00000	12.00000	99.75000	0.00000
0.00000	-0.06815	1	2172	-1.00000	12.00000	99.75000	0.00000
0.00000	-0.05959	1	2173	0.00000	12.00000	99.75000	0.00000
0.00000	-0.03292	1	2174	-40.00000	13.00000	99.75000	0.00000
0.00000	-0.03812	1	2175	-39.00000	13.00000	99.75000	0.00000
0.00000	-0.04390	1	2176	-38.00000	13.00000	99.75000	0.00000
0.00000	-0.05034	1	2177	-37.00000	13.00000	99.75000	0.00000
0.00000	-0.05749	1	2178	-36.00000	13.00000	99.75000	0.00000
0.00000	-0.06543	1	2179	-35.00000	13.00000	99.75000	0.00000
0.00000	-0.07419	1	2180	-34.00000	13.00000	99.75000	0.00000
0.00000	-0.08384	1	2181	-33.00000	13.00000	99.75000	0.00000
0.00000	-0.09441	1	2182	-32.00000	13.00000	99.75000	0.00000
0.00000	-0.10588	1	2183	-31.00000	13.00000	99.75000	0.00000
0.00000	-0.11822	1	2184	-30.00000	13.00000	99.75000	0.00000
0.00000	-0.13131	1	2185	-29.00000	13.00000	99.75000	0.00000
0.00000	-0.14497	1	2186	-28.00000	13.00000	99.75000	0.00000
0.00000	-0.15892	1	2187	-27.00000	13.00000	99.75000	0.00000
0.00000	-0.17282	1	2188	-26.00000	13.00000	99.75000	0.00000
0.00000	-0.18624	1	2189	-25.00000	13.00000	99.75000	0.00000
			2190	-24.00000	13.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.19874	1				
		2191	-23.00000	13.00000	99.75000	0.00000
0.00000	-0.20992	1				
		2192	-22.00000	13.00000	99.75000	0.00000
0.00000	-0.21942	1				
		2193	-21.00000	13.00000	99.75000	0.00000
0.00000	-0.22696	1				
		2194	-20.00000	13.00000	99.75000	0.00000
0.00000	-0.23233	1				
		2195	-19.00000	13.00000	99.75000	0.00000
0.00000	-0.23541	1				
		2196	-18.00000	13.00000	99.75000	0.00000
0.00000	-0.23612	1				
		2197	-17.00000	13.00000	99.75000	0.00000
0.00000	-0.23445	1				
		2198	-16.00000	13.00000	99.75000	0.00000
0.00000	-0.23043	1				
		2199	-15.00000	13.00000	99.75000	0.00000
0.00000	-0.22416	1				
		2200	-14.00000	13.00000	99.75000	0.00000
0.00000	-0.21579	1				
		2201	-13.00000	13.00000	99.75000	0.00000
0.00000	-0.20555	1				
		2202	-12.00000	13.00000	99.75000	0.00000
0.00000	-0.19377	1				
		2203	-11.00000	13.00000	99.75000	0.00000
0.00000	-0.18083	1				
		2204	-10.00000	13.00000	99.75000	0.00000
0.00000	-0.16715	1				
		2205	-9.00000	13.00000	99.75000	0.00000
0.00000	-0.15317	1				
		2206	-8.00000	13.00000	99.75000	0.00000
0.00000	-0.13928	1				
		2207	-7.00000	13.00000	99.75000	0.00000
0.00000	-0.12582	1				
		2208	-6.00000	13.00000	99.75000	0.00000
0.00000	-0.11301	1				
		2209	-5.00000	13.00000	99.75000	0.00000
0.00000	-0.10102	1				
		2210	-4.00000	13.00000	99.75000	0.00000
0.00000	-0.08991	1				
		2211	-3.00000	13.00000	99.75000	0.00000
0.00000	-0.07973	1				
		2212	-2.00000	13.00000	99.75000	0.00000
0.00000	-0.07045	1				
		2213	-1.00000	13.00000	99.75000	0.00000
0.00000	-0.06203	1				
		2214	0.00000	13.00000	99.75000	0.00000
0.00000	-0.05443	1				
		2215	-40.00000	14.00000	99.75000	0.00000
0.00000	-0.03009	1				
		2216	-39.00000	14.00000	99.75000	0.00000
0.00000	-0.03481	1				
		2217	-38.00000	14.00000	99.75000	0.00000
0.00000	-0.04003	1				
		2218	-37.00000	14.00000	99.75000	0.00000
0.00000	-0.04580	1				
		2219	-36.00000	14.00000	99.75000	0.00000
0.00000	-0.05216	1				
		2220	-35.00000	14.00000	99.75000	0.00000
0.00000	-0.05915	1				
		2221	-34.00000	14.00000	99.75000	0.00000
0.00000	-0.06680	1				
		2222	-33.00000	14.00000	99.75000	0.00000
0.00000	-0.07514	1				
		2223	-32.00000	14.00000	99.75000	0.00000
0.00000	-0.08417	1				
		2224	-31.00000	14.00000	99.75000	0.00000
0.00000	-0.09387	1				
		2225	-30.00000	14.00000	99.75000	0.00000
0.00000	-0.10417	1				
		2226	-29.00000	14.00000	99.75000	0.00000
0.00000	-0.11497	1				
		2227	-28.00000	14.00000	99.75000	0.00000
0.00000	-0.12610	1				
		2228	-27.00000	14.00000	99.75000	0.00000
0.00000	-0.13736	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref. y	Set: Displacements: Name z	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
0.00000	-0.14848	1	2229	-26.00000	14.00000	99.75000	0.00000
0.00000	-0.15915	1	2230	-25.00000	14.00000	99.75000	0.00000
0.00000	-0.16907	1	2231	-24.00000	14.00000	99.75000	0.00000
0.00000	-0.17792	1	2232	-23.00000	14.00000	99.75000	0.00000
0.00000	-0.18545	1	2233	-22.00000	14.00000	99.75000	0.00000
0.00000	-0.19143	1	2234	-21.00000	14.00000	99.75000	0.00000
0.00000	-0.19570	1	2235	-20.00000	14.00000	99.75000	0.00000
0.00000	-0.19815	1	2236	-19.00000	14.00000	99.75000	0.00000
0.00000	-0.19871	1	2237	-18.00000	14.00000	99.75000	0.00000
0.00000	-0.19738	1	2238	-17.00000	14.00000	99.75000	0.00000
0.00000	-0.19418	1	2239	-16.00000	14.00000	99.75000	0.00000
0.00000	-0.18919	1	2240	-15.00000	14.00000	99.75000	0.00000
0.00000	-0.18256	1	2241	-14.00000	14.00000	99.75000	0.00000
0.00000	-0.17445	1	2242	-13.00000	14.00000	99.75000	0.00000
0.00000	-0.16512	1	2243	-12.00000	14.00000	99.75000	0.00000
0.00000	-0.15485	1	2244	-11.00000	14.00000	99.75000	0.00000
0.00000	-0.14395	1	2245	-10.00000	14.00000	99.75000	0.00000
0.00000	-0.13273	1	2246	-9.00000	14.00000	99.75000	0.00000
0.00000	-0.12148	1	2247	-8.00000	14.00000	99.75000	0.00000
0.00000	-0.11045	1	2248	-7.00000	14.00000	99.75000	0.00000
0.00000	-0.09984	1	2249	-6.00000	14.00000	99.75000	0.00000
0.00000	-0.08977	1	2250	-5.00000	14.00000	99.75000	0.00000
0.00000	-0.08034	1	2251	-4.00000	14.00000	99.75000	0.00000
0.00000	-0.07160	1	2252	-3.00000	14.00000	99.75000	0.00000
0.00000	-0.06354	1	2253	-2.00000	14.00000	99.75000	0.00000
0.00000	-0.05616	1	2254	-1.00000	14.00000	99.75000	0.00000
0.00000	-0.04944	1	2255	0.00000	14.00000	99.75000	0.00000
0.00000	-0.02732	1	2256	-40.00000	15.00000	99.75000	0.00000
0.00000	-0.03158	1	2257	-39.00000	15.00000	99.75000	0.00000
0.00000	-0.03628	1	2258	-38.00000	15.00000	99.75000	0.00000
0.00000	-0.04143	1	2259	-37.00000	15.00000	99.75000	0.00000
0.00000	-0.04706	1	2260	-36.00000	15.00000	99.75000	0.00000
0.00000	-0.05321	1	2261	-35.00000	15.00000	99.75000	0.00000
0.00000	-0.05988	1	2262	-34.00000	15.00000	99.75000	0.00000
0.00000	-0.06708	1	2263	-33.00000	15.00000	99.75000	0.00000
0.00000	-0.07481	1	2264	-32.00000	15.00000	99.75000	0.00000
0.00000	-0.08301	1	2265	-31.00000	15.00000	99.75000	0.00000
0.00000	-0.09164	1	2266	-30.00000	15.00000	99.75000	0.00000
			2267	-29.00000	15.00000	99.75000	0.00000



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.10059	1				
		2268	-28.00000	15.00000	99.75000	0.00000
0.00000	-0.10974	1				
		2269	-27.00000	15.00000	99.75000	0.00000
0.00000	-0.11890	1				
		2270	-26.00000	15.00000	99.75000	0.00000
0.00000	-0.12788	1				
		2271	-25.00000	15.00000	99.75000	0.00000
0.00000	-0.13646	1				
		2272	-24.00000	15.00000	99.75000	0.00000
0.00000	-0.14439	1				
		2273	-23.00000	15.00000	99.75000	0.00000
0.00000	-0.15146	1				
		2274	-22.00000	15.00000	99.75000	0.00000
0.00000	-0.15747	1				
		2275	-21.00000	15.00000	99.75000	0.00000
0.00000	-0.16225	1				
		2276	-20.00000	15.00000	99.75000	0.00000
0.00000	-0.16566	1				
		2277	-19.00000	15.00000	99.75000	0.00000
0.00000	-0.16762	1				
		2278	-18.00000	15.00000	99.75000	0.00000
0.00000	-0.16807	1				
		2279	-17.00000	15.00000	99.75000	0.00000
0.00000	-0.16700	1				
		2280	-16.00000	15.00000	99.75000	0.00000
0.00000	-0.16444	1				
		2281	-15.00000	15.00000	99.75000	0.00000
0.00000	-0.16046	1				
		2282	-14.00000	15.00000	99.75000	0.00000
0.00000	-0.15516	1				
		2283	-13.00000	15.00000	99.75000	0.00000
0.00000	-0.14869	1				
		2284	-12.00000	15.00000	99.75000	0.00000
0.00000	-0.14123	1				
		2285	-11.00000	15.00000	99.75000	0.00000
0.00000	-0.13300	1				
		2286	-10.00000	15.00000	99.75000	0.00000
0.00000	-0.12422	1				
		2287	-9.00000	15.00000	99.75000	0.00000
0.00000	-0.11514	1				
		2288	-8.00000	15.00000	99.75000	0.00000
0.00000	-0.10595	1				
		2289	-7.00000	15.00000	99.75000	0.00000
0.00000	-0.09686	1				
		2290	-6.00000	15.00000	99.75000	0.00000
0.00000	-0.08803	1				
		2291	-5.00000	15.00000	99.75000	0.00000
0.00000	-0.07956	1				
		2292	-4.00000	15.00000	99.75000	0.00000
0.00000	-0.07154	1				
		2293	-3.00000	15.00000	99.75000	0.00000
0.00000	-0.06403	1				
		2294	-2.00000	15.00000	99.75000	0.00000
0.00000	-0.05705	1				
		2295	-1.00000	15.00000	99.75000	0.00000
0.00000	-0.05059	1				
		2296	0.00000	15.00000	99.75000	0.00000
0.00000	-0.04466	1				
		2297	-40.00000	16.00000	99.75000	0.00000
0.00000	-0.02462	1				
		2298	-39.00000	16.00000	99.75000	0.00000
0.00000	-0.02846	1				
		2299	-38.00000	16.00000	99.75000	0.00000
0.00000	-0.03267	1				
		2300	-37.00000	16.00000	99.75000	0.00000
0.00000	-0.03726	1				
		2301	-36.00000	16.00000	99.75000	0.00000
0.00000	-0.04224	1				
		2302	-35.00000	16.00000	99.75000	0.00000
0.00000	-0.04764	1				
		2303	-34.00000	16.00000	99.75000	0.00000
0.00000	-0.05345	1				
		2304	-33.00000	16.00000	99.75000	0.00000
0.00000	-0.05967	1				
		2305	-32.00000	16.00000	99.75000	0.00000
0.00000	-0.06628	1				



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Ground Movement Assessment
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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.07324	1	2306	-31.00000	16.00000	99.75000	0.00000
0.00000	-0.08049	1	2307	-30.00000	16.00000	99.75000	0.00000
0.00000	-0.08795	1	2308	-29.00000	16.00000	99.75000	0.00000
0.00000	-0.09550	1	2309	-28.00000	16.00000	99.75000	0.00000
0.00000	-0.10301	1	2310	-27.00000	16.00000	99.75000	0.00000
0.00000	-0.11033	1	2311	-26.00000	16.00000	99.75000	0.00000
0.00000	-0.11728	1	2312	-25.00000	16.00000	99.75000	0.00000
0.00000	-0.12368	1	2313	-24.00000	16.00000	99.75000	0.00000
0.00000	-0.12938	1	2314	-23.00000	16.00000	99.75000	0.00000
0.00000	-0.13422	1	2315	-22.00000	16.00000	99.75000	0.00000
0.00000	-0.13806	1	2316	-21.00000	16.00000	99.75000	0.00000
0.00000	-0.14080	1	2317	-20.00000	16.00000	99.75000	0.00000
0.00000	-0.14237	1	2318	-19.00000	16.00000	99.75000	0.00000
0.00000	-0.14273	1	2319	-18.00000	16.00000	99.75000	0.00000
0.00000	-0.14188	1	2320	-17.00000	16.00000	99.75000	0.00000
0.00000	-0.13982	1	2321	-16.00000	16.00000	99.75000	0.00000
0.00000	-0.13661	1	2322	-15.00000	16.00000	99.75000	0.00000
0.00000	-0.13235	1	2323	-14.00000	16.00000	99.75000	0.00000
0.00000	-0.12714	1	2324	-13.00000	16.00000	99.75000	0.00000
0.00000	-0.12113	1	2325	-12.00000	16.00000	99.75000	0.00000
0.00000	-0.11448	1	2326	-11.00000	16.00000	99.75000	0.00000
0.00000	-0.10735	1	2327	-10.00000	16.00000	99.75000	0.00000
0.00000	-0.09993	1	2328	-9.00000	16.00000	99.75000	0.00000
0.00000	-0.09238	1	2329	-8.00000	16.00000	99.75000	0.00000
0.00000	-0.08485	1	2330	-7.00000	16.00000	99.75000	0.00000
0.00000	-0.07746	1	2331	-6.00000	16.00000	99.75000	0.00000
0.00000	-0.07032	1	2332	-5.00000	16.00000	99.75000	0.00000
0.00000	-0.06349	1	2333	-4.00000	16.00000	99.75000	0.00000
0.00000	-0.05704	1	2334	-3.00000	16.00000	99.75000	0.00000
0.00000	-0.05099	1	2335	-2.00000	16.00000	99.75000	0.00000
0.00000	-0.04535	1	2336	-1.00000	16.00000	99.75000	0.00000
0.00000	-0.04012	1	2337	0.00000	16.00000	99.75000	0.00000
0.00000	-0.02201	1	2338	-40.00000	17.00000	99.75000	0.00000
0.00000	-0.02547	1	2339	-39.00000	17.00000	99.75000	0.00000
0.00000	-0.02923	1	2340	-38.00000	17.00000	99.75000	0.00000
0.00000	-0.03331	1	2341	-37.00000	17.00000	99.75000	0.00000
0.00000	-0.03771	1	2342	-36.00000	17.00000	99.75000	0.00000
0.00000	-0.04244	1	2343	-35.00000	17.00000	99.75000	0.00000
			2344	-34.00000	17.00000	99.75000	0.00000



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Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.04750	1				
		2345	-33.00000	17.00000	99.75000	0.00000
0.00000	-0.05287	1				
		2346	-32.00000	17.00000	99.75000	0.00000
0.00000	-0.05854	1				
		2347	-31.00000	17.00000	99.75000	0.00000
0.00000	-0.06446	1				
		2348	-30.00000	17.00000	99.75000	0.00000
0.00000	-0.07057	1				
		2349	-29.00000	17.00000	99.75000	0.00000
0.00000	-0.07681	1				
		2350	-28.00000	17.00000	99.75000	0.00000
0.00000	-0.08309	1				
		2351	-27.00000	17.00000	99.75000	0.00000
0.00000	-0.08928	1				
		2352	-26.00000	17.00000	99.75000	0.00000
0.00000	-0.09529	1				
		2353	-25.00000	17.00000	99.75000	0.00000
0.00000	-0.10096	1				
		2354	-24.00000	17.00000	99.75000	0.00000
0.00000	-0.10617	1				
		2355	-23.00000	17.00000	99.75000	0.00000
0.00000	-0.11080	1				
		2356	-22.00000	17.00000	99.75000	0.00000
0.00000	-0.11472	1				
		2357	-21.00000	17.00000	99.75000	0.00000
0.00000	-0.11782	1				
		2358	-20.00000	17.00000	99.75000	0.00000
0.00000	-0.12004	1				
		2359	-19.00000	17.00000	99.75000	0.00000
0.00000	-0.12131	1				
		2360	-18.00000	17.00000	99.75000	0.00000
0.00000	-0.12161	1				
		2361	-17.00000	17.00000	99.75000	0.00000
0.00000	-0.12091	1				
		2362	-16.00000	17.00000	99.75000	0.00000
0.00000	-0.11925	1				
		2363	-15.00000	17.00000	99.75000	0.00000
0.00000	-0.11665	1				
		2364	-14.00000	17.00000	99.75000	0.00000
0.00000	-0.11320	1				
		2365	-13.00000	17.00000	99.75000	0.00000
0.00000	-0.10898	1				
		2366	-12.00000	17.00000	99.75000	0.00000
0.00000	-0.10410	1				
		2367	-11.00000	17.00000	99.75000	0.00000
0.00000	-0.09868	1				
		2368	-10.00000	17.00000	99.75000	0.00000
0.00000	-0.09285	1				
		2369	-9.00000	17.00000	99.75000	0.00000
0.00000	-0.08675	1				
		2370	-8.00000	17.00000	99.75000	0.00000
0.00000	-0.08050	1				
		2371	-7.00000	17.00000	99.75000	0.00000
0.00000	-0.07422	1				
		2372	-6.00000	17.00000	99.75000	0.00000
0.00000	-0.06802	1				
		2373	-5.00000	17.00000	99.75000	0.00000
0.00000	-0.06198	1				
		2374	-4.00000	17.00000	99.75000	0.00000
0.00000	-0.05616	1				
		2375	-3.00000	17.00000	99.75000	0.00000
0.00000	-0.05061	1				
		2376	-2.00000	17.00000	99.75000	0.00000
0.00000	-0.04536	1				
		2377	-1.00000	17.00000	99.75000	0.00000
0.00000	-0.04044	1				
		2378	0.00000	17.00000	99.75000	0.00000
0.00000	-0.03584	1				
		2379	-40.00000	18.00000	99.75000	0.00000
0.00000	-0.01952	1				
		2380	-39.00000	18.00000	99.75000	0.00000
0.00000	-0.02262	1				
		2381	-38.00000	18.00000	99.75000	0.00000
0.00000	-0.02597	1				
		2382	-37.00000	18.00000	99.75000	0.00000
0.00000	-0.02959	1				



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Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.03347	1	2383	-36.00000	18.00000	99.75000	0.00000
0.00000	-0.03762	1	2384	-35.00000	18.00000	99.75000	0.00000
0.00000	-0.04202	1	2385	-34.00000	18.00000	99.75000	0.00000
0.00000	-0.04667	1	2386	-33.00000	18.00000	99.75000	0.00000
0.00000	-0.05153	1	2387	-32.00000	18.00000	99.75000	0.00000
0.00000	-0.05657	1	2388	-31.00000	18.00000	99.75000	0.00000
0.00000	-0.06175	1	2389	-30.00000	18.00000	99.75000	0.00000
0.00000	-0.06699	1	2390	-29.00000	18.00000	99.75000	0.00000
0.00000	-0.07223	1	2391	-28.00000	18.00000	99.75000	0.00000
0.00000	-0.07737	1	2392	-27.00000	18.00000	99.75000	0.00000
0.00000	-0.08233	1	2393	-26.00000	18.00000	99.75000	0.00000
0.00000	-0.08700	1	2394	-25.00000	18.00000	99.75000	0.00000
0.00000	-0.09127	1	2395	-24.00000	18.00000	99.75000	0.00000
0.00000	-0.09505	1	2396	-23.00000	18.00000	99.75000	0.00000
0.00000	-0.09824	1	2397	-22.00000	18.00000	99.75000	0.00000
0.00000	-0.09824	1	2398	-21.00000	18.00000	99.75000	0.00000
0.00000	-0.10077	1	2399	-20.00000	18.00000	99.75000	0.00000
0.00000	-0.10258	1	2400	-19.00000	18.00000	99.75000	0.00000
0.00000	-0.10361	1	2401	-18.00000	18.00000	99.75000	0.00000
0.00000	-0.10385	1	2402	-17.00000	18.00000	99.75000	0.00000
0.00000	-0.10328	1	2403	-16.00000	18.00000	99.75000	0.00000
0.00000	-0.10193	1	2404	-15.00000	18.00000	99.75000	0.00000
0.00000	-0.09982	1	2405	-14.00000	18.00000	99.75000	0.00000
0.00000	-0.09701	1	2406	-13.00000	18.00000	99.75000	0.00000
0.00000	-0.09356	1	2407	-12.00000	18.00000	99.75000	0.00000
0.00000	-0.08957	1	2408	-11.00000	18.00000	99.75000	0.00000
0.00000	-0.08512	1	2409	-10.00000	18.00000	99.75000	0.00000
0.00000	-0.08032	1	2410	-9.00000	18.00000	99.75000	0.00000
0.00000	-0.07527	1	2411	-8.00000	18.00000	99.75000	0.00000
0.00000	-0.07007	1	2412	-7.00000	18.00000	99.75000	0.00000
0.00000	-0.06482	1	2413	-6.00000	18.00000	99.75000	0.00000
0.00000	-0.05960	1	2414	-5.00000	18.00000	99.75000	0.00000
0.00000	-0.05447	1	2415	-4.00000	18.00000	99.75000	0.00000
0.00000	-0.04949	1	2416	-3.00000	18.00000	99.75000	0.00000
0.00000	-0.04471	1	2417	-2.00000	18.00000	99.75000	0.00000
0.00000	-0.04017	1	2418	-1.00000	18.00000	99.75000	0.00000
0.00000	-0.03587	1	2419	0.00000	18.00000	99.75000	0.00000
0.00000	-0.03183	1	2420	-40.00000	19.00000	99.75000	0.00000
0.00000	-0.01714	1	2421	-39.00000	19.00000	99.75000	0.00000



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LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.01992	1				
		2422	-38.00000	19.00000	99.75000	0.00000
0.00000	-0.02291	1				
		2423	-37.00000	19.00000	99.75000	0.00000
0.00000	-0.02611	1				
		2424	-36.00000	19.00000	99.75000	0.00000
0.00000	-0.02953	1				
		2425	-35.00000	19.00000	99.75000	0.00000
0.00000	-0.03316	1				
		2426	-34.00000	19.00000	99.75000	0.00000
0.00000	-0.03700	1				
		2427	-33.00000	19.00000	99.75000	0.00000
0.00000	-0.04102	1				
		2428	-32.00000	19.00000	99.75000	0.00000
0.00000	-0.04520	1				
		2429	-31.00000	19.00000	99.75000	0.00000
0.00000	-0.04950	1				
		2430	-30.00000	19.00000	99.75000	0.00000
0.00000	-0.05389	1				
		2431	-29.00000	19.00000	99.75000	0.00000
0.00000	-0.05832	1				
		2432	-28.00000	19.00000	99.75000	0.00000
0.00000	-0.06271	1				
		2433	-27.00000	19.00000	99.75000	0.00000
0.00000	-0.06700	1				
		2434	-26.00000	19.00000	99.75000	0.00000
0.00000	-0.07112	1				
		2435	-25.00000	19.00000	99.75000	0.00000
0.00000	-0.07498	1				
		2436	-24.00000	19.00000	99.75000	0.00000
0.00000	-0.07850	1				
		2437	-23.00000	19.00000	99.75000	0.00000
0.00000	-0.08161	1				
		2438	-22.00000	19.00000	99.75000	0.00000
0.00000	-0.08423	1				
		2439	-21.00000	19.00000	99.75000	0.00000
0.00000	-0.08630	1				
		2440	-20.00000	19.00000	99.75000	0.00000
0.00000	-0.08778	1				
		2441	-19.00000	19.00000	99.75000	0.00000
0.00000	-0.08863	1				
		2442	-18.00000	19.00000	99.75000	0.00000
0.00000	-0.08882	1				
		2443	-17.00000	19.00000	99.75000	0.00000
0.00000	-0.08836	1				
		2444	-16.00000	19.00000	99.75000	0.00000
0.00000	-0.08725	1				
		2445	-15.00000	19.00000	99.75000	0.00000
0.00000	-0.08552	1				
		2446	-14.00000	19.00000	99.75000	0.00000
0.00000	-0.08322	1				
		2447	-13.00000	19.00000	99.75000	0.00000
0.00000	-0.08039	1				
		2448	-12.00000	19.00000	99.75000	0.00000
0.00000	-0.07710	1				
		2449	-11.00000	19.00000	99.75000	0.00000
0.00000	-0.07343	1				
		2450	-10.00000	19.00000	99.75000	0.00000
0.00000	-0.06945	1				
		2451	-9.00000	19.00000	99.75000	0.00000
0.00000	-0.06525	1				
		2452	-8.00000	19.00000	99.75000	0.00000
0.00000	-0.06091	1				
		2453	-7.00000	19.00000	99.75000	0.00000
0.00000	-0.05649	1				
		2454	-6.00000	19.00000	99.75000	0.00000
0.00000	-0.05207	1				
		2455	-5.00000	19.00000	99.75000	0.00000
0.00000	-0.04771	1				
		2456	-4.00000	19.00000	99.75000	0.00000
0.00000	-0.04345	1				
		2457	-3.00000	19.00000	99.75000	0.00000
0.00000	-0.03933	1				
		2458	-2.00000	19.00000	99.75000	0.00000
0.00000	-0.03538	1				
		2459	-1.00000	19.00000	99.75000	0.00000
0.00000	-0.03163	1				



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Ground Movement Assessment
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Set: Displacements:	Set: Displacements:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	-0.02808	1	2460	0.00000	19.00000	99.75000	0.00000
0.00000	-0.01489	1	2461	-40.00000	20.00000	99.75000	0.00000
0.00000	-0.01737	1	2462	-39.00000	20.00000	99.75000	0.00000
0.00000	-0.02003	1	2463	-38.00000	20.00000	99.75000	0.00000
0.00000	-0.02287	1	2464	-37.00000	20.00000	99.75000	0.00000
0.00000	-0.02588	1	2465	-36.00000	20.00000	99.75000	0.00000
0.00000	-0.02906	1	2466	-35.00000	20.00000	99.75000	0.00000
0.00000	-0.03240	1	2467	-34.00000	20.00000	99.75000	0.00000
0.00000	-0.03588	1	2468	-33.00000	20.00000	99.75000	0.00000
0.00000	-0.03948	1	2469	-32.00000	20.00000	99.75000	0.00000
0.00000	-0.04316	1	2470	-31.00000	20.00000	99.75000	0.00000
0.00000	-0.04690	1	2471	-30.00000	20.00000	99.75000	0.00000
0.00000	-0.05065	1	2472	-29.00000	20.00000	99.75000	0.00000
0.00000	-0.05435	1	2473	-28.00000	20.00000	99.75000	0.00000
0.00000	-0.05795	1	2474	-27.00000	20.00000	99.75000	0.00000
0.00000	-0.06138	1	2475	-26.00000	20.00000	99.75000	0.00000
0.00000	-0.06459	1	2476	-25.00000	20.00000	99.75000	0.00000
0.00000	-0.06751	1	2477	-24.00000	20.00000	99.75000	0.00000
0.00000	-0.07008	1	2478	-23.00000	20.00000	99.75000	0.00000
0.00000	-0.07225	1	2479	-22.00000	20.00000	99.75000	0.00000
0.00000	-0.07396	1	2480	-21.00000	20.00000	99.75000	0.00000
0.00000	-0.07517	1	2481	-20.00000	20.00000	99.75000	0.00000
0.00000	-0.07587	1	2482	-19.00000	20.00000	99.75000	0.00000
0.00000	-0.07603	1	2483	-18.00000	20.00000	99.75000	0.00000
0.00000	-0.07565	1	2484	-17.00000	20.00000	99.75000	0.00000
0.00000	-0.07474	1	2485	-16.00000	20.00000	99.75000	0.00000
0.00000	-0.07331	1	2486	-15.00000	20.00000	99.75000	0.00000
0.00000	-0.07141	1	2487	-14.00000	20.00000	99.75000	0.00000
0.00000	-0.06907	1	2488	-13.00000	20.00000	99.75000	0.00000
0.00000	-0.06635	1	2489	-12.00000	20.00000	99.75000	0.00000
0.00000	-0.06330	1	2490	-11.00000	20.00000	99.75000	0.00000
0.00000	-0.05999	1	2491	-10.00000	20.00000	99.75000	0.00000
0.00000	-0.05648	1	2492	-9.00000	20.00000	99.75000	0.00000
0.00000	-0.05283	1	2493	-8.00000	20.00000	99.75000	0.00000
0.00000	-0.04910	1	2494	-7.00000	20.00000	99.75000	0.00000
0.00000	-0.04535	1	2495	-6.00000	20.00000	99.75000	0.00000
0.00000	-0.04163	1	2496	-5.00000	20.00000	99.75000	0.00000
0.00000	-0.03797	1	2497	-4.00000	20.00000	99.75000	0.00000
			2498	-3.00000	20.00000	99.75000	0.00000



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.03442	1				
		2499	-2.00000	20.00000	99.75000	0.00000
0.00000	-0.03100	1				
		2500	-1.00000	20.00000	99.75000	0.00000
0.00000	-0.02772	1				
		2501	0.00000	20.00000	99.75000	0.00000
0.00000	-0.02461	1				
		2502	-40.00000	21.00000	99.75000	0.00000
0.00000	-0.01277	1				
		2503	-39.00000	21.00000	99.75000	0.00000
0.00000	-0.01498	1				
		2504	-38.00000	21.00000	99.75000	0.00000
0.00000	-0.01734	1				
		2505	-37.00000	21.00000	99.75000	0.00000
0.00000	-0.01985	1				
		2506	-36.00000	21.00000	99.75000	0.00000
0.00000	-0.02250	1				
		2507	-35.00000	21.00000	99.75000	0.00000
0.00000	-0.02529	1				
		2508	-34.00000	21.00000	99.75000	0.00000
0.00000	-0.02820	1				
		2509	-33.00000	21.00000	99.75000	0.00000
0.00000	-0.03122	1				
		2510	-32.00000	21.00000	99.75000	0.00000
0.00000	-0.03432	1				
		2511	-31.00000	21.00000	99.75000	0.00000
0.00000	-0.03748	1				
		2512	-30.00000	21.00000	99.75000	0.00000
0.00000	-0.04067	1				
		2513	-29.00000	21.00000	99.75000	0.00000
0.00000	-0.04385	1				
		2514	-28.00000	21.00000	99.75000	0.00000
0.00000	-0.04698	1				
		2515	-27.00000	21.00000	99.75000	0.00000
0.00000	-0.05001	1				
		2516	-26.00000	21.00000	99.75000	0.00000
0.00000	-0.05289	1				
		2517	-25.00000	21.00000	99.75000	0.00000
0.00000	-0.05558	1				
		2518	-24.00000	21.00000	99.75000	0.00000
0.00000	-0.05801	1				
		2519	-23.00000	21.00000	99.75000	0.00000
0.00000	-0.06015	1				
		2520	-22.00000	21.00000	99.75000	0.00000
0.00000	-0.06194	1				
		2521	-21.00000	21.00000	99.75000	0.00000
0.00000	-0.06336	1				
		2522	-20.00000	21.00000	99.75000	0.00000
0.00000	-0.06437	1				
		2523	-19.00000	21.00000	99.75000	0.00000
0.00000	-0.06494	1				
		2524	-18.00000	21.00000	99.75000	0.00000
0.00000	-0.06508	1				
		2525	-17.00000	21.00000	99.75000	0.00000
0.00000	-0.06476	1				
		2526	-16.00000	21.00000	99.75000	0.00000
0.00000	-0.06400	1				
		2527	-15.00000	21.00000	99.75000	0.00000
0.00000	-0.06282	1				
		2528	-14.00000	21.00000	99.75000	0.00000
0.00000	-0.06125	1				
		2529	-13.00000	21.00000	99.75000	0.00000
0.00000	-0.05931	1				
		2530	-12.00000	21.00000	99.75000	0.00000
0.00000	-0.05704	1				
		2531	-11.00000	21.00000	99.75000	0.00000
0.00000	-0.05450	1				
		2532	-10.00000	21.00000	99.75000	0.00000
0.00000	-0.05172	1				
		2533	-9.00000	21.00000	99.75000	0.00000
0.00000	-0.04877	1				
		2534	-8.00000	21.00000	99.75000	0.00000
0.00000	-0.04570	1				
		2535	-7.00000	21.00000	99.75000	0.00000
0.00000	-0.04254	1				
		2536	-6.00000	21.00000	99.75000	0.00000
0.00000	-0.03935	1				



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref. y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x
0.00000	-0.03617	1	2537	-5.00000	21.00000	99.75000	0.00000
0.00000	-0.03302	1	2538	-4.00000	21.00000	99.75000	0.00000
0.00000	-0.02995	1	2539	-3.00000	21.00000	99.75000	0.00000
0.00000	-0.02698	1	2540	-2.00000	21.00000	99.75000	0.00000
0.00000	-0.02412	1	2541	-1.00000	21.00000	99.75000	0.00000
0.00000	-0.02139	1	2542	0.00000	21.00000	99.75000	0.00000
0.00000	-0.01077	1	2543	-40.00000	22.00000	99.75000	0.00000
0.00000	-0.01275	1	2544	-39.00000	22.00000	99.75000	0.00000
0.00000	-0.01484	1	2545	-38.00000	22.00000	99.75000	0.00000
0.00000	-0.01706	1	2546	-37.00000	22.00000	99.75000	0.00000
0.00000	-0.01939	1	2547	-36.00000	22.00000	99.75000	0.00000
0.00000	-0.02183	1	2548	-35.00000	22.00000	99.75000	0.00000
0.00000	-0.02437	1	2549	-34.00000	22.00000	99.75000	0.00000
0.00000	-0.02699	1	2550	-33.00000	22.00000	99.75000	0.00000
0.00000	-0.02967	1	2551	-32.00000	22.00000	99.75000	0.00000
0.00000	-0.03239	1	2552	-31.00000	22.00000	99.75000	0.00000
0.00000	-0.03512	1	2553	-30.00000	22.00000	99.75000	0.00000
0.00000	-0.03783	1	2554	-29.00000	22.00000	99.75000	0.00000
0.00000	-0.04048	1	2555	-28.00000	22.00000	99.75000	0.00000
0.00000	-0.04304	1	2556	-27.00000	22.00000	99.75000	0.00000
0.00000	-0.04547	1	2557	-26.00000	22.00000	99.75000	0.00000
0.00000	-0.04772	1	2558	-25.00000	22.00000	99.75000	0.00000
0.00000	-0.04976	1	2559	-24.00000	22.00000	99.75000	0.00000
0.00000	-0.05154	1	2560	-23.00000	22.00000	99.75000	0.00000
0.00000	-0.05304	1	2561	-22.00000	22.00000	99.75000	0.00000
0.00000	-0.05422	1	2562	-21.00000	22.00000	99.75000	0.00000
0.00000	-0.05506	1	2563	-20.00000	22.00000	99.75000	0.00000
0.00000	-0.05554	1	2564	-19.00000	22.00000	99.75000	0.00000
0.00000	-0.05565	1	2565	-18.00000	22.00000	99.75000	0.00000
0.00000	-0.05539	1	2566	-17.00000	22.00000	99.75000	0.00000
0.00000	-0.05476	1	2567	-16.00000	22.00000	99.75000	0.00000
0.00000	-0.05378	1	2568	-15.00000	22.00000	99.75000	0.00000
0.00000	-0.05246	1	2569	-14.00000	22.00000	99.75000	0.00000
0.00000	-0.05084	1	2570	-13.00000	22.00000	99.75000	0.00000
0.00000	-0.04895	1	2571	-12.00000	22.00000	99.75000	0.00000
0.00000	-0.04681	1	2572	-11.00000	22.00000	99.75000	0.00000
0.00000	-0.04448	1	2573	-10.00000	22.00000	99.75000	0.00000
0.00000	-0.04200	1	2574	-9.00000	22.00000	99.75000	0.00000
			2575	-8.00000	22.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.03939	1				
		2576	-7.00000	22.00000	99.75000	0.00000
0.00000	-0.03671	1				
		2577	-6.00000	22.00000	99.75000	0.00000
0.00000	-0.03399	1				
		2578	-5.00000	22.00000	99.75000	0.00000
0.00000	-0.03126	1				
		2579	-4.00000	22.00000	99.75000	0.00000
0.00000	-0.02855	1				
		2580	-3.00000	22.00000	99.75000	0.00000
0.00000	-0.02589	1				
		2581	-2.00000	22.00000	99.75000	0.00000
0.00000	-0.02331	1				
		2582	-1.00000	22.00000	99.75000	0.00000
0.00000	-0.02081	1				
		2583	0.00000	22.00000	99.75000	0.00000
0.00000	-0.01841	1				
		2584	-40.00000	23.00000	99.75000	0.00000
0.00000	-0.00891	1				
		2585	-39.00000	23.00000	99.75000	0.00000
0.00000	-0.01067	1				
		2586	-38.00000	23.00000	99.75000	0.00000
0.00000	-0.01253	1				
		2587	-37.00000	23.00000	99.75000	0.00000
0.00000	-0.01448	1				
		2588	-36.00000	23.00000	99.75000	0.00000
0.00000	-0.01654	1				
		2589	-35.00000	23.00000	99.75000	0.00000
0.00000	-0.01867	1				
		2590	-34.00000	23.00000	99.75000	0.00000
0.00000	-0.02089	1				
		2591	-33.00000	23.00000	99.75000	0.00000
0.00000	-0.02316	1				
		2592	-32.00000	23.00000	99.75000	0.00000
0.00000	-0.02548	1				
		2593	-31.00000	23.00000	99.75000	0.00000
0.00000	-0.02782	1				
		2594	-30.00000	23.00000	99.75000	0.00000
0.00000	-0.03016	1				
		2595	-29.00000	23.00000	99.75000	0.00000
0.00000	-0.03247	1				
		2596	-28.00000	23.00000	99.75000	0.00000
0.00000	-0.03473	1				
		2597	-27.00000	23.00000	99.75000	0.00000
0.00000	-0.03690	1				
		2598	-26.00000	23.00000	99.75000	0.00000
0.00000	-0.03896	1				
		2599	-25.00000	23.00000	99.75000	0.00000
0.00000	-0.04086	1				
		2600	-24.00000	23.00000	99.75000	0.00000
0.00000	-0.04257	1				
		2601	-23.00000	23.00000	99.75000	0.00000
0.00000	-0.04407	1				
		2602	-22.00000	23.00000	99.75000	0.00000
0.00000	-0.04532	1				
		2603	-21.00000	23.00000	99.75000	0.00000
0.00000	-0.04631	1				
		2604	-20.00000	23.00000	99.75000	0.00000
0.00000	-0.04701	1				
		2605	-19.00000	23.00000	99.75000	0.00000
0.00000	-0.04741	1				
		2606	-18.00000	23.00000	99.75000	0.00000
0.00000	-0.04750	1				
		2607	-17.00000	23.00000	99.75000	0.00000
0.00000	-0.04728	1				
		2608	-16.00000	23.00000	99.75000	0.00000
0.00000	-0.04676	1				
		2609	-15.00000	23.00000	99.75000	0.00000
0.00000	-0.04594	1				
		2610	-14.00000	23.00000	99.75000	0.00000
0.00000	-0.04484	1				
		2611	-13.00000	23.00000	99.75000	0.00000
0.00000	-0.04348	1				
		2612	-12.00000	23.00000	99.75000	0.00000
0.00000	-0.04189	1				
		2613	-11.00000	23.00000	99.75000	0.00000
0.00000	-0.04009	1				



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.03813	1	2614	-10.00000	23.00000	99.75000	0.00000
0.00000	-0.03602	1	2615	-9.00000	23.00000	99.75000	0.00000
0.00000	-0.03381	1	2616	-8.00000	23.00000	99.75000	0.00000
0.00000	-0.03152	1	2617	-7.00000	23.00000	99.75000	0.00000
0.00000	-0.02919	1	2618	-6.00000	23.00000	99.75000	0.00000
0.00000	-0.02685	1	2619	-5.00000	23.00000	99.75000	0.00000
0.00000	-0.02451	1	2620	-4.00000	23.00000	99.75000	0.00000
0.00000	-0.02221	1	2621	-3.00000	23.00000	99.75000	0.00000
0.00000	-0.01996	1	2622	-2.00000	23.00000	99.75000	0.00000
0.00000	-0.01778	1	2623	-1.00000	23.00000	99.75000	0.00000
0.00000	-0.01567	1	2624	0.00000	23.00000	99.75000	0.00000
0.00000	-0.00717	1	2625	-40.00000	24.00000	99.75000	0.00000
0.00000	-0.00874	1	2626	-39.00000	24.00000	99.75000	0.00000
0.00000	-0.01038	1	2627	-38.00000	24.00000	99.75000	0.00000
0.00000	-0.01211	1	2628	-37.00000	24.00000	99.75000	0.00000
0.00000	-0.01392	1	2629	-36.00000	24.00000	99.75000	0.00000
0.00000	-0.01579	1	2630	-35.00000	24.00000	99.75000	0.00000
0.00000	-0.01772	1	2631	-34.00000	24.00000	99.75000	0.00000
0.00000	-0.01970	1	2632	-33.00000	24.00000	99.75000	0.00000
0.00000	-0.02170	1	2633	-32.00000	24.00000	99.75000	0.00000
0.00000	-0.02372	1	2634	-31.00000	24.00000	99.75000	0.00000
0.00000	-0.02573	1	2635	-30.00000	24.00000	99.75000	0.00000
0.00000	-0.02772	1	2636	-29.00000	24.00000	99.75000	0.00000
0.00000	-0.02964	1	2637	-28.00000	24.00000	99.75000	0.00000
0.00000	-0.03149	1	2638	-27.00000	24.00000	99.75000	0.00000
0.00000	-0.03323	1	2639	-26.00000	24.00000	99.75000	0.00000
0.00000	-0.03484	1	2640	-25.00000	24.00000	99.75000	0.00000
0.00000	-0.03629	1	2641	-24.00000	24.00000	99.75000	0.00000
0.00000	-0.03755	1	2642	-23.00000	24.00000	99.75000	0.00000
0.00000	-0.03860	1	2643	-22.00000	24.00000	99.75000	0.00000
0.00000	-0.03943	1	2644	-21.00000	24.00000	99.75000	0.00000
0.00000	-0.04002	1	2645	-20.00000	24.00000	99.75000	0.00000
0.00000	-0.04036	1	2646	-19.00000	24.00000	99.75000	0.00000
0.00000	-0.04043	1	2647	-18.00000	24.00000	99.75000	0.00000
0.00000	-0.04025	1	2648	-17.00000	24.00000	99.75000	0.00000
0.00000	-0.03981	1	2649	-16.00000	24.00000	99.75000	0.00000
0.00000	-0.03912	1	2650	-15.00000	24.00000	99.75000	0.00000
0.00000	-0.03819	1	2651	-14.00000	24.00000	99.75000	0.00000
			2652	-13.00000	24.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.03705	1				
		2653	-12.00000	24.00000	99.75000	0.00000
0.00000	-0.03571	1				
		2654	-11.00000	24.00000	99.75000	0.00000
0.00000	-0.03419	1				
		2655	-10.00000	24.00000	99.75000	0.00000
0.00000	-0.03253	1				
		2656	-9.00000	24.00000	99.75000	0.00000
0.00000	-0.03074	1				
		2657	-8.00000	24.00000	99.75000	0.00000
0.00000	-0.02885	1				
		2658	-7.00000	24.00000	99.75000	0.00000
0.00000	-0.02690	1				
		2659	-6.00000	24.00000	99.75000	0.00000
0.00000	-0.02490	1				
		2660	-5.00000	24.00000	99.75000	0.00000
0.00000	-0.02289	1				
		2661	-4.00000	24.00000	99.75000	0.00000
0.00000	-0.02087	1				
		2662	-3.00000	24.00000	99.75000	0.00000
0.00000	-0.01887	1				
		2663	-2.00000	24.00000	99.75000	0.00000
0.00000	-0.01691	1				
		2664	-1.00000	24.00000	99.75000	0.00000
0.00000	-0.01500	1				
		2665	0.00000	24.00000	99.75000	0.00000
0.00000	-0.01316	1				
		2666	-40.00000	25.00000	99.75000	0.00000
0.00000	-0.00556	1				
		2667	-39.00000	25.00000	99.75000	0.00000
0.00000	-0.00695	1				
		2668	-38.00000	25.00000	99.75000	0.00000
0.00000	-0.00841	1				
		2669	-37.00000	25.00000	99.75000	0.00000
0.00000	-0.00993	1				
		2670	-36.00000	25.00000	99.75000	0.00000
0.00000	-0.01152	1				
		2671	-35.00000	25.00000	99.75000	0.00000
0.00000	-0.01316	1				
		2672	-34.00000	25.00000	99.75000	0.00000
0.00000	-0.01485	1				
		2673	-33.00000	25.00000	99.75000	0.00000
0.00000	-0.01656	1				
		2674	-32.00000	25.00000	99.75000	0.00000
0.00000	-0.01830	1				
		2675	-31.00000	25.00000	99.75000	0.00000
0.00000	-0.02005	1				
		2676	-30.00000	25.00000	99.75000	0.00000
0.00000	-0.02178	1				
		2677	-29.00000	25.00000	99.75000	0.00000
0.00000	-0.02348	1				
		2678	-28.00000	25.00000	99.75000	0.00000
0.00000	-0.02513	1				
		2679	-27.00000	25.00000	99.75000	0.00000
0.00000	-0.02671	1				
		2680	-26.00000	25.00000	99.75000	0.00000
0.00000	-0.02819	1				
		2681	-25.00000	25.00000	99.75000	0.00000
0.00000	-0.02955	1				
		2682	-24.00000	25.00000	99.75000	0.00000
0.00000	-0.03078	1				
		2683	-23.00000	25.00000	99.75000	0.00000
0.00000	-0.03184	1				
		2684	-22.00000	25.00000	99.75000	0.00000
0.00000	-0.03274	1				
		2685	-21.00000	25.00000	99.75000	0.00000
0.00000	-0.03344	1				
		2686	-20.00000	25.00000	99.75000	0.00000
0.00000	-0.03393	1				
		2687	-19.00000	25.00000	99.75000	0.00000
0.00000	-0.03421	1				
		2688	-18.00000	25.00000	99.75000	0.00000
0.00000	-0.03428	1				
		2689	-17.00000	25.00000	99.75000	0.00000
0.00000	-0.03412	1				
		2690	-16.00000	25.00000	99.75000	0.00000
0.00000	-0.03375	1				



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Ground Movement Assessment
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Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.03317	1	2691	-15.00000	25.00000	99.75000	0.00000
0.00000	-0.03239	1	2692	-14.00000	25.00000	99.75000	0.00000
0.00000	-0.03142	1	2693	-13.00000	25.00000	99.75000	0.00000
0.00000	-0.03029	1	2694	-12.00000	25.00000	99.75000	0.00000
0.00000	-0.02900	1	2695	-11.00000	25.00000	99.75000	0.00000
0.00000	-0.02759	1	2696	-10.00000	25.00000	99.75000	0.00000
0.00000	-0.02607	1	2697	-9.00000	25.00000	99.75000	0.00000
0.00000	-0.02446	1	2698	-8.00000	25.00000	99.75000	0.00000
0.00000	-0.02278	1	2699	-7.00000	25.00000	99.75000	0.00000
0.00000	-0.02107	1	2700	-6.00000	25.00000	99.75000	0.00000
0.00000	-0.01933	1	2701	-5.00000	25.00000	99.75000	0.00000
0.00000	-0.01758	1	2702	-4.00000	25.00000	99.75000	0.00000
0.00000	-0.01585	1	2703	-3.00000	25.00000	99.75000	0.00000
0.00000	-0.01414	1	2704	-2.00000	25.00000	99.75000	0.00000
0.00000	-0.01247	1	2705	-1.00000	25.00000	99.75000	0.00000
0.00000	-0.01085	1	2706	0.00000	25.00000	99.75000	0.00000
0.00000	-0.00407	1	2707	-40.00000	26.00000	99.75000	0.00000
0.00000	-0.00530	1	2708	-39.00000	26.00000	99.75000	0.00000
0.00000	-0.00659	1	2709	-38.00000	26.00000	99.75000	0.00000
0.00000	-0.00793	1	2710	-37.00000	26.00000	99.75000	0.00000
0.00000	-0.00933	1	2711	-36.00000	26.00000	99.75000	0.00000
0.00000	-0.01077	1	2712	-35.00000	26.00000	99.75000	0.00000
0.00000	-0.01224	1	2713	-34.00000	26.00000	99.75000	0.00000
0.00000	-0.01374	1	2714	-33.00000	26.00000	99.75000	0.00000
0.00000	-0.01524	1	2715	-32.00000	26.00000	99.75000	0.00000
0.00000	-0.01675	1	2716	-31.00000	26.00000	99.75000	0.00000
0.00000	-0.01825	1	2717	-30.00000	26.00000	99.75000	0.00000
0.00000	-0.01971	1	2718	-29.00000	26.00000	99.75000	0.00000
0.00000	-0.02112	1	2719	-28.00000	26.00000	99.75000	0.00000
0.00000	-0.02247	1	2720	-27.00000	26.00000	99.75000	0.00000
0.00000	-0.02374	1	2721	-26.00000	26.00000	99.75000	0.00000
0.00000	-0.02490	1	2722	-25.00000	26.00000	99.75000	0.00000
0.00000	-0.02594	1	2723	-24.00000	26.00000	99.75000	0.00000
0.00000	-0.02684	1	2724	-23.00000	26.00000	99.75000	0.00000
0.00000	-0.02760	1	2725	-22.00000	26.00000	99.75000	0.00000
0.00000	-0.02819	1	2726	-21.00000	26.00000	99.75000	0.00000
0.00000	-0.02861	1	2727	-20.00000	26.00000	99.75000	0.00000
0.00000	-0.02885	1	2728	-19.00000	26.00000	99.75000	0.00000
			2729	-18.00000	26.00000	99.75000	0.00000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.02890	1				
		2730	-17.00000	26.00000	99.75000	0.00000
0.00000	-0.02877	1				
		2731	-16.00000	26.00000	99.75000	0.00000
0.00000	-0.02846	1				
		2732	-15.00000	26.00000	99.75000	0.00000
0.00000	-0.02797	1				
		2733	-14.00000	26.00000	99.75000	0.00000
0.00000	-0.02731	1				
		2734	-13.00000	26.00000	99.75000	0.00000
0.00000	-0.02649	1				
		2735	-12.00000	26.00000	99.75000	0.00000
0.00000	-0.02552	1				
		2736	-11.00000	26.00000	99.75000	0.00000
0.00000	-0.02443	1				
		2737	-10.00000	26.00000	99.75000	0.00000
0.00000	-0.02322	1				
		2738	-9.00000	26.00000	99.75000	0.00000
0.00000	-0.02192	1				
		2739	-8.00000	26.00000	99.75000	0.00000
0.00000	-0.02055	1				
		2740	-7.00000	26.00000	99.75000	0.00000
0.00000	-0.01911	1				
		2741	-6.00000	26.00000	99.75000	0.00000
0.00000	-0.01763	1				
		2742	-5.00000	26.00000	99.75000	0.00000
0.00000	-0.01613	1				
		2743	-4.00000	26.00000	99.75000	0.00000
0.00000	-0.01462	1				
		2744	-3.00000	26.00000	99.75000	0.00000
0.00000	-0.01311	1				
		2745	-2.00000	26.00000	99.75000	0.00000
0.00000	-0.01162	1				
		2746	-1.00000	26.00000	99.75000	0.00000
0.00000	-0.01017	1				
		2747	0.00000	26.00000	99.75000	0.00000
0.00000	-0.00874	1				
		2748	-40.00000	27.00000	99.75000	0.00000
0.00000	-0.00269	1				
		2749	-39.00000	27.00000	99.75000	0.00000
0.00000	-0.00378	1				
		2750	-38.00000	27.00000	99.75000	0.00000
0.00000	-0.00492	1				
		2751	-37.00000	27.00000	99.75000	0.00000
0.00000	-0.00610	1				
		2752	-36.00000	27.00000	99.75000	0.00000
0.00000	-0.00733	1				
		2753	-35.00000	27.00000	99.75000	0.00000
0.00000	-0.00859	1				
		2754	-34.00000	27.00000	99.75000	0.00000
0.00000	-0.00988	1				
		2755	-33.00000	27.00000	99.75000	0.00000
0.00000	-0.01118	1				
		2756	-32.00000	27.00000	99.75000	0.00000
0.00000	-0.01249	1				
		2757	-31.00000	27.00000	99.75000	0.00000
0.00000	-0.01380	1				
		2758	-30.00000	27.00000	99.75000	0.00000
0.00000	-0.01509	1				
		2759	-29.00000	27.00000	99.75000	0.00000
0.00000	-0.01635	1				
		2760	-28.00000	27.00000	99.75000	0.00000
0.00000	-0.01756	1				
		2761	-27.00000	27.00000	99.75000	0.00000
0.00000	-0.01872	1				
		2762	-26.00000	27.00000	99.75000	0.00000
0.00000	-0.01980	1				
		2763	-25.00000	27.00000	99.75000	0.00000
0.00000	-0.02079	1				
		2764	-24.00000	27.00000	99.75000	0.00000
0.00000	-0.02168	1				
		2765	-23.00000	27.00000	99.75000	0.00000
0.00000	-0.02245	1				
		2766	-22.00000	27.00000	99.75000	0.00000
0.00000	-0.02309	1				
		2767	-21.00000	27.00000	99.75000	0.00000
0.00000	-0.02359	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:	
Displacements:	Displacements:	Ref.	x	y	z	x	
Ref.	Name	Ref.					
y	z						
0.00000	-0.02395	1	2768	-20.00000	27.00000	99.75000	0.00000
0.00000	-0.02415	1	2769	-19.00000	27.00000	99.75000	0.00000
0.00000	-0.02420	1	2770	-18.00000	27.00000	99.75000	0.00000
0.00000	-0.02409	1	2771	-17.00000	27.00000	99.75000	0.00000
0.00000	-0.02382	1	2772	-16.00000	27.00000	99.75000	0.00000
0.00000	-0.02340	1	2773	-15.00000	27.00000	99.75000	0.00000
0.00000	-0.02284	1	2774	-14.00000	27.00000	99.75000	0.00000
0.00000	-0.02214	1	2775	-13.00000	27.00000	99.75000	0.00000
0.00000	-0.02132	1	2776	-12.00000	27.00000	99.75000	0.00000
0.00000	-0.02039	1	2777	-11.00000	27.00000	99.75000	0.00000
0.00000	-0.01936	1	2778	-10.00000	27.00000	99.75000	0.00000
0.00000	-0.01825	1	2779	-9.00000	27.00000	99.75000	0.00000
0.00000	-0.01707	1	2780	-8.00000	27.00000	99.75000	0.00000
0.00000	-0.01583	1	2781	-7.00000	27.00000	99.75000	0.00000
0.00000	-0.01456	1	2782	-6.00000	27.00000	99.75000	0.00000
0.00000	-0.01326	1	2783	-5.00000	27.00000	99.75000	0.00000
0.00000	-0.01195	1	2784	-4.00000	27.00000	99.75000	0.00000
0.00000	-0.01064	1	2785	-3.00000	27.00000	99.75000	0.00000
0.00000	-0.00934	1	2786	-2.00000	27.00000	99.75000	0.00000
0.00000	-0.00806	1	2787	-1.00000	27.00000	99.75000	0.00000
0.00000	-0.00682	1	2788	0.00000	27.00000	99.75000	0.00000
0.00000	-0.00142	1	2789	-40.00000	28.00000	99.75000	0.00000
0.00000	-0.00238	1	2790	-39.00000	28.00000	99.75000	0.00000
0.00000	-0.00339	1	2791	-38.00000	28.00000	99.75000	0.00000
0.00000	-0.00443	1	2792	-37.00000	28.00000	99.75000	0.00000
0.00000	-0.00551	1	2793	-36.00000	28.00000	99.75000	0.00000
0.00000	-0.00662	1	2794	-35.00000	28.00000	99.75000	0.00000
0.00000	-0.00774	1	2795	-34.00000	28.00000	99.75000	0.00000
0.00000	-0.00888	1	2796	-33.00000	28.00000	99.75000	0.00000
0.00000	-0.01002	1	2797	-32.00000	28.00000	99.75000	0.00000
0.00000	-0.01115	1	2798	-31.00000	28.00000	99.75000	0.00000
0.00000	-0.01226	1	2799	-30.00000	28.00000	99.75000	0.00000
0.00000	-0.01335	1	2800	-29.00000	28.00000	99.75000	0.00000
0.00000	-0.01440	1	2801	-28.00000	28.00000	99.75000	0.00000
0.00000	-0.01539	1	2802	-27.00000	28.00000	99.75000	0.00000
0.00000	-0.01631	1	2803	-26.00000	28.00000	99.75000	0.00000
0.00000	-0.01716	1	2804	-25.00000	28.00000	99.75000	0.00000
0.00000	-0.01792	1	2805	-24.00000	28.00000	99.75000	0.00000
			2806	-23.00000	28.00000	99.75000	0.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.01858	1				
		2807	-22.00000	28.00000	99.75000	0.00000
0.00000	-0.01912	1				
		2808	-21.00000	28.00000	99.75000	0.00000
0.00000	-0.01955	1				
		2809	-20.00000	28.00000	99.75000	0.00000
0.00000	-0.01985	1				
		2810	-19.00000	28.00000	99.75000	0.00000
0.00000	-0.02003	1				
		2811	-18.00000	28.00000	99.75000	0.00000
0.00000	-0.02007	1				
		2812	-17.00000	28.00000	99.75000	0.00000
0.00000	-0.01997	1				
		2813	-16.00000	28.00000	99.75000	0.00000
0.00000	-0.01974	1				
		2814	-15.00000	28.00000	99.75000	0.00000
0.00000	-0.01939	1				
		2815	-14.00000	28.00000	99.75000	0.00000
0.00000	-0.01891	1				
		2816	-13.00000	28.00000	99.75000	0.00000
0.00000	-0.01832	1				
		2817	-12.00000	28.00000	99.75000	0.00000
0.00000	-0.01762	1				
		2818	-11.00000	28.00000	99.75000	0.00000
0.00000	-0.01682	1				
		2819	-10.00000	28.00000	99.75000	0.00000
0.00000	-0.01594	1				
		2820	-9.00000	28.00000	99.75000	0.00000
0.00000	-0.01498	1				
		2821	-8.00000	28.00000	99.75000	0.00000
0.00000	-0.01397	1				
		2822	-7.00000	28.00000	99.75000	0.00000
0.00000	-0.01290	1				
		2823	-6.00000	28.00000	99.75000	0.00000
0.00000	-0.01180	1				
		2824	-5.00000	28.00000	99.75000	0.00000
0.00000	-0.01068	1				
		2825	-4.00000	28.00000	99.75000	0.00000
0.00000	-0.00954	1				
		2826	-3.00000	28.00000	99.75000	0.00000
0.00000	-0.00840	1				
		2827	-2.00000	28.00000	99.75000	0.00000
0.00000	-0.00727	1				
		2828	-1.00000	28.00000	99.75000	0.00000
0.00000	-0.00615	1				
		2829	0.00000	28.00000	99.75000	0.00000
0.00000	-0.00506	1				
		2830	-40.00000	29.00000	99.75000	0.00000
0.00000	-0.00025	1				
		2831	-39.00000	29.00000	99.75000	0.00000
0.00000	-0.00111	1				
		2832	-38.00000	29.00000	99.75000	0.00000
0.00000	-0.00199	1				
		2833	-37.00000	29.00000	99.75000	0.00000
0.00000	-0.00291	1				
		2834	-36.00000	29.00000	99.75000	0.00000
0.00000	-0.00386	1				
		2835	-35.00000	29.00000	99.75000	0.00000
0.00000	-0.00483	1				
		2836	-34.00000	29.00000	99.75000	0.00000
0.00000	-0.00581	1				
		2837	-33.00000	29.00000	99.75000	0.00000
0.00000	-0.00680	1				
		2838	-32.00000	29.00000	99.75000	0.00000
0.00000	-0.00779	1				
		2839	-31.00000	29.00000	99.75000	0.00000
0.00000	-0.00877	1				
		2840	-30.00000	29.00000	99.75000	0.00000
0.00000	-0.00974	1				
		2841	-29.00000	29.00000	99.75000	0.00000
0.00000	-0.01068	1				
		2842	-28.00000	29.00000	99.75000	0.00000
0.00000	-0.01158	1				
		2843	-27.00000	29.00000	99.75000	0.00000
0.00000	-0.01243	1				
		2844	-26.00000	29.00000	99.75000	0.00000
0.00000	-0.01322	1				



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Set: Displacements: Ref.	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Displacements: x	
y	z						
0.00000	-0.01395	1	2845	-25.00000	29.00000	99.75000	0.00000
0.00000	-0.01460	1	2846	-24.00000	29.00000	99.75000	0.00000
0.00000	-0.01516	1	2847	-23.00000	29.00000	99.75000	0.00000
0.00000	-0.01563	1	2848	-22.00000	29.00000	99.75000	0.00000
0.00000	-0.01599	1	2849	-21.00000	29.00000	99.75000	0.00000
0.00000	-0.01625	1	2850	-20.00000	29.00000	99.75000	0.00000
0.00000	-0.01640	1	2851	-19.00000	29.00000	99.75000	0.00000
0.00000	-0.01643	1	2852	-18.00000	29.00000	99.75000	0.00000
0.00000	-0.01635	1	2853	-17.00000	29.00000	99.75000	0.00000
0.00000	-0.01616	1	2854	-16.00000	29.00000	99.75000	0.00000
0.00000	-0.01586	1	2855	-15.00000	29.00000	99.75000	0.00000
0.00000	-0.01545	1	2856	-14.00000	29.00000	99.75000	0.00000
0.00000	-0.01494	1	2857	-13.00000	29.00000	99.75000	0.00000
0.00000	-0.01434	1	2858	-12.00000	29.00000	99.75000	0.00000
0.00000	-0.01366	1	2859	-11.00000	29.00000	99.75000	0.00000
0.00000	-0.01290	1	2860	-10.00000	29.00000	99.75000	0.00000
0.00000	-0.01208	1	2861	-9.00000	29.00000	99.75000	0.00000
0.00000	-0.01121	1	2862	-8.00000	29.00000	99.75000	0.00000
0.00000	-0.01029	1	2863	-7.00000	29.00000	99.75000	0.00000
0.00000	-0.00934	1	2864	-6.00000	29.00000	99.75000	0.00000
0.00000	-0.00837	1	2865	-5.00000	29.00000	99.75000	0.00000
0.00000	-0.00738	1	2866	-4.00000	29.00000	99.75000	0.00000
0.00000	-0.00639	1	2867	-3.00000	29.00000	99.75000	0.00000
0.00000	-0.00540	1	2868	-2.00000	29.00000	99.75000	0.00000
0.00000	-0.00442	1	2869	-1.00000	29.00000	99.75000	0.00000
0.00000	-0.00346	1	2870	0.00000	29.00000	99.75000	0.00000
0.00000	0.00082	1	2871	-40.00000	30.00000	99.75000	0.00000
0.00000	0.00006	1	2872	-39.00000	30.00000	99.75000	0.00000
0.00000	-0.00072	1	2873	-38.00000	30.00000	99.75000	0.00000
0.00000	-0.00153	1	2874	-37.00000	30.00000	99.75000	0.00000
0.00000	-0.00236	1	2875	-36.00000	30.00000	99.75000	0.00000
0.00000	-0.00320	1	2876	-35.00000	30.00000	99.75000	0.00000
0.00000	-0.00406	1	2877	-34.00000	30.00000	99.75000	0.00000
0.00000	-0.00493	1	2878	-33.00000	30.00000	99.75000	0.00000
0.00000	-0.00579	1	2879	-32.00000	30.00000	99.75000	0.00000
0.00000	-0.00664	1	2880	-31.00000	30.00000	99.75000	0.00000
0.00000	-0.00748	1	2881	-30.00000	30.00000	99.75000	0.00000
0.00000	-0.00829	1	2882	-29.00000	30.00000	99.75000	0.00000
			2883	-28.00000	30.00000	99.75000	0.00000



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Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	Displacements:
Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name	Ref.				
y	z					
0.00000	-0.00907	1				
		2884	-27.00000	30.00000	99.75000	0.00000
0.00000	-0.00980	1				
		2885	-26.00000	30.00000	99.75000	0.00000
0.00000	-0.01048	1				
		2886	-25.00000	30.00000	99.75000	0.00000
0.00000	-0.01111	1				
		2887	-24.00000	30.00000	99.75000	0.00000
0.00000	-0.01167	1				
		2888	-23.00000	30.00000	99.75000	0.00000
0.00000	-0.01215	1				
		2889	-22.00000	30.00000	99.75000	0.00000
0.00000	-0.01255	1				
		2890	-21.00000	30.00000	99.75000	0.00000
0.00000	-0.01286	1				
		2891	-20.00000	30.00000	99.75000	0.00000
0.00000	-0.01308	1				
		2892	-19.00000	30.00000	99.75000	0.00000
0.00000	-0.01320	1				
		2893	-18.00000	30.00000	99.75000	0.00000
0.00000	-0.01323	1				
		2894	-17.00000	30.00000	99.75000	0.00000
0.00000	-0.01316	1				
		2895	-16.00000	30.00000	99.75000	0.00000
0.00000	-0.01300	1				
		2896	-15.00000	30.00000	99.75000	0.00000
0.00000	-0.01274	1				
		2897	-14.00000	30.00000	99.75000	0.00000
0.00000	-0.01239	1				
		2898	-13.00000	30.00000	99.75000	0.00000
0.00000	-0.01196	1				
		2899	-12.00000	30.00000	99.75000	0.00000
0.00000	-0.01144	1				
		2900	-11.00000	30.00000	99.75000	0.00000
0.00000	-0.01086	1				
		2901	-10.00000	30.00000	99.75000	0.00000
0.00000	-0.01021	1				
		2902	-9.00000	30.00000	99.75000	0.00000
0.00000	-0.00950	1				
		2903	-8.00000	30.00000	99.75000	0.00000
0.00000	-0.00875	1				
		2904	-7.00000	30.00000	99.75000	0.00000
0.00000	-0.00796	1				
		2905	-6.00000	30.00000	99.75000	0.00000
0.00000	-0.00713	1				
		2906	-5.00000	30.00000	99.75000	0.00000
0.00000	-0.00629	1				
		2907	-4.00000	30.00000	99.75000	0.00000
0.00000	-0.00543	1				
		2908	-3.00000	30.00000	99.75000	0.00000
0.00000	-0.00457	1				
		2909	-2.00000	30.00000	99.75000	0.00000
0.00000	-0.00371	1				
		2910	-1.00000	30.00000	99.75000	0.00000
0.00000	-0.00285	1				
		2911	0.00000	30.00000	99.75000	0.00000
0.00000	-0.00201	1				

1 - Data point coincident with displacement location. Its displacement has been added to those calculated by Xdisp.

Polygonal Excavations

Ref. 1
Excavation Name: Retaining Wall Installation - 97.5 m OD to 96.00 m OD
 Surface level [m]: 97.500
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side: d	Prev. Side: p1	Prev. Side: p2*	Next Side: d	Next Side: p1	Next Side: p2*
	[m]	[m]	[m]			[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-



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Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve:	
	[m]	[m]	[m]	[m]	Vertical	Horizontal
1	-32.000	-4.1000	-32.000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
2	-32.000	6.2000	-18.200	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
7	-11.100	-4.1000	-11.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
8	-11.100	-3.0000	-22.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
9	-22.100	-3.0000	-22.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
10	-22.100	-4.1000	-32.000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))

Ref. 2
Excavation Name: Retaining Wall Installation - 99.75 m OD to 96.00 m OD
Surface level [m]: 99.750
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
5	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
6	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve:	
	[m]	[m]	[m]	[m]	Vertical	Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-5.0000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-5.0000	6.2000	-5.4000	-1.4000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
4	-5.4000	-1.4000	-7.5000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
5	-7.5000	-4.1000	-8.0000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
6	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
7	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Circular Excavations

Vertical Ground Movement Curves

Curve Name: No vertical ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040]
 [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028]
 [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018]
 [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010]
 [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005]
 [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002]
 [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001]
 [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = -1.2355E-2x⁴ + 3.4814E-2x³ - 2.8885E-3x² - 6.5618E-2x + 4.9987E-2
Coeff. of Determination: 1.0000

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040]
 [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028]
 [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018]
 [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010]
 [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005]
 [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002]
 [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001]
 [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = -1.2355E-2x⁴ + 3.4814E-2x³ - 2.8885E-3x² - 6.5618E-2x + 4.9987E-2
Coeff. of Determination: 1.0000

Horizontal Ground Movement Curves

Curve Name: No horizontal ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
Coordinates:	[Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)] [0.000,0.000,0.050][1.500,0.000,0.000]					
Curve Fitting Method:	Polynomial					
x Order:	1					
y Order:	0					
Polynomial: z =	-3.33E-2x + 5.00E-2					
Coeff. of Determination:	1.00					
Curve Name:	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))					
Coordinates:	[Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)] [0.000,0.000,0.050][1.500,0.000,0.000]					
Curve Fitting Method:	Polynomial					
x Order:	1					
y Order:	0					
Polynomial: z =	-3.33E-2x + 5.00E-2					
Coeff. of Determination:	1.00					

Damage Category Strains

Ref.	Name	0 (Negligible)	1 (Very Slight)	2 (Slight)	3 (Moderate)
		to 1 (Very Slight)	to 2 (Slight)	to 3 (Moderate)	to 4 (Severe)
1	Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance
Vertical	Vertical	Damage Category	Poisson's E/G	Along	Along
Offsets from	Displacement	Strains	Ratio	Line:	Line:
Line for	Limit			Start	End
Vertical	Sensitivity				
Calculations				[m]	[m]
[m]	[mm]				
1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	0.00000	3.19900
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	0.00000	2.51900
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	0.00000	7.79500
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	0.00000	0.44100
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5	0.00000	3.14300
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	No 11 LG - Line 6	0.00000	19.16200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	No 11 LG - Line 7	0.00000	14.19600
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
8	No 11 Lyndhurst Terrace	No 11 LG - Line 8	No 11 LG - Line 8	0.00000	21.24500
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	No 7 LG - Line 1	0.00000	8.18800
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
10	No 7 Lyndhurst Terrace	No 7 LG - Line 2	No 7 LG - Line 2	0.00000	5.42200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
11	No 7 Lyndhurst Terrace	No 7 LG - Line 3	No 7 LG - Line 3	0.00000	2.80400
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
12	No 7 Lyndhurst Terrace	No 7 LG - Line 4	No 7 LG - Line 4	0.00000	5.72600
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
13	No 7 Lyndhurst Terrace	No 7 LG - Line 5	No 7 LG - Line 5	0.00000	2.95200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
14	No 7 Lyndhurst Terrace	No 7 LG - Line 6	No 7 LG - Line 6	0.00000	14.26600
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			



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Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance
Vertical	Vertical	Damage Category	Poisson's E/G	Along	Along
Offsets from	Displacement	Strains	Ratio		
15 No 7 Lyndhurst Terrace	No 7 LG - Line 7	No 7 LG - Line 7	No 7 LG - Line 7	0.00000	10.54400
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
16 No 7 Lyndhurst Terrace	No 7 LG - Line 8	No 7 LG - Line 8	No 7 LG - Line 8	0.00000	2.03800
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
17 No 7 Lyndhurst Terrace	No 7 LG - Line 9	No 7 LG - Line 9	No 7 LG - Line 9	0.00000	1.45900
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
18 No 7 Lyndhurst Terrace	No 7 LG - Line 10	No 7 LG - Line 10	No 7 LG - Line 10	0.00000	2.69300
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
19 No 7 Lyndhurst Terrace	No 7 LG - Line 11	No 7 LG - Line 11	No 7 LG - Line 11	0.00000	1.45900
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
20 No 7 Lyndhurst Terrace	No 7 LG - Line 12	No 7 LG - Line 12	No 7 LG - Line 12	0.00000	6.95300
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
21 No 7 Lyndhurst Terrace	No 7 LG - Line 13	No 7 LG - Line 13	No 7 LG - Line 13	0.00000	1.85800
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
22 No 7 Lyndhurst Terrace	No 7 LG - Line 14	No 7 LG - Line 14	No 7 LG - Line 14	0.00000	2.52200
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
23 No 7 Lyndhurst Terrace	No 7 LG - Line 15	No 7 LG - Line 15	No 7 LG - Line 15	0.00000	8.66200
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
24 No 7 Lyndhurst Terrace	No 7 LG - Line 16	No 7 LG - Line 16	No 7 LG - Line 16	0.00000	1.17900
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
25 No 7 Lyndhurst Terrace	No 7 LG - Line 17	No 7 LG - Line 17	No 7 LG - Line 17	0.00000	0.93000
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
26 No 7 Lyndhurst Terrace	No 7 LG - Line 18	No 7 LG - Line 18	No 7 LG - Line 18	0.00000	6.92100
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
27 No 7 Lyndhurst Terrace	No 7 LG - Line 19	No 7 LG - Line 19	No 7 LG - Line 19	0.00000	1.18400
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
28 No 7 Lyndhurst Terrace	No 7 LG - Line 20	No 7 LG - Line 20	No 7 LG - Line 20	0.00000	1.84300
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
29 No 7 Lyndhurst Terrace	No 7 LG - Line 21	No 7 LG - Line 21	No 7 LG - Line 21	0.00000	1.34300
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
30 No 7 Lyndhurst Terrace	No 7 LG - Line 22	No 7 LG - Line 22	No 7 LG - Line 22	0.00000	6.70000
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
31 No 7 Lyndhurst Terrace	No 7 LG - Line 23	No 7 LG - Line 23	No 7 LG - Line 23	0.00000	23.74000
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
32 No 7 Lyndhurst Terrace	No 7 LG - Line 24	No 7 LG - Line 24	No 7 LG - Line 24	0.00000	4.82600
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
33 No 7 Lyndhurst Terrace	No 7 LG - Line 25	No 7 LG - Line 25	No 7 LG - Line 25	0.00000	4.91100
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				
34 Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.00000	70.00000
0.0 0.10000 Burland Strain Limits	0.20000 2.6000				

Specific Buildings - Bending Parameters

Ref.	Building Name	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:
Sagging:	Sagging:	Sagging:			2nd Mom.	Dist. of	Dist. of
2nd Mom.	Dist. of	Dist. of			of Area	Bending	N.A. from
of Area	Bending	N.A. from			(per unit	Strain	Edge of
(per unit	Strain	Edge of			width)	from N.A.	Beam in
width)	from N.A.	Beam in					Tension
Tension							
[m³]	[m]	[m]	[m]		[m³]	[m]	[m]
1 No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
2 No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
3 No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
4 No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
5 No 11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
6 No 11 Lyndhurst Terrace	No 11 LG - Line 6	No 11 LG - Line 6	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
7 No 11 Lyndhurst Terrace	No 11 LG - Line 7	No 11 LG - Line 7	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
8 No 11 Lyndhurst Terrace	No 11 LG - Line 8	No 11 LG - Line 8	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
9 No 7 Lyndhurst Terrace	No 7 LG - Line 1	No 7 LG - Line 1	17.230	Yes	1705.0	17.230	17.230



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Ref. Sagging:	Building Name Sagging:	Sub-Building Name Sagging:	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:
2nd Mom.	Dist. of	Dist. of				2nd Mom.	Dist. of	Dist. of
426.26	8.6150	8.6150						
10 No 7	Lyndhurst Terrace	No 7 LG - Line 2	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
11 No 7	Lyndhurst Terrace	No 7 LG - Line 3	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
12 No 7	Lyndhurst Terrace	No 7 LG - Line 4	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
13 No 7	Lyndhurst Terrace	No 7 LG - Line 5	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
14 No 7	Lyndhurst Terrace	No 7 LG - Line 6	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
15 No 7	Lyndhurst Terrace	No 7 LG - Line 7	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
16 No 7	Lyndhurst Terrace	No 7 LG - Line 8	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
17 No 7	Lyndhurst Terrace	No 7 LG - Line 9	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
18 No 7	Lyndhurst Terrace	No 7 LG - Line 10	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
19 No 7	Lyndhurst Terrace	No 7 LG - Line 11	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
20 No 7	Lyndhurst Terrace	No 7 LG - Line 12	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
21 No 7	Lyndhurst Terrace	No 7 LG - Line 13	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
22 No 7	Lyndhurst Terrace	No 7 LG - Line 14	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
23 No 7	Lyndhurst Terrace	No 7 LG - Line 15	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
24 No 7	Lyndhurst Terrace	No 7 LG - Line 16	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
25 No 7	Lyndhurst Terrace	No 7 LG - Line 17	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
26 No 7	Lyndhurst Terrace	No 7 LG - Line 18	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
27 No 7	Lyndhurst Terrace	No 7 LG - Line 19	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
28 No 7	Lyndhurst Terrace	No 7 LG - Line 20	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
29 No 7	Lyndhurst Terrace	No 7 LG - Line 21	17.230	Yes	1705.0	17.230	17.230	17.230
426.26	8.6150	8.6150						
30 No 7	Lyndhurst Terrace	No 7 LG - Line 22	4.5000	Yes	30.375	4.5000	4.5000	4.5000
7.5938	2.2500	2.2500						
31 No 7	Lyndhurst Terrace	No 7 LG - Line 23	4.5000	Yes	30.375	4.5000	4.5000	4.5000
7.5938	2.2500	2.2500						
32 No 7	Lyndhurst Terrace	No 7 LG - Line 24	4.5000	Yes	30.375	4.5000	4.5000	4.5000
7.5938	2.2500	2.2500						
33 No 7	Lyndhurst Terrace	No 7 LG - Line 25	4.5000	Yes	30.375	4.5000	4.5000	4.5000
7.5938	2.2500	2.2500						
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.50000	Yes	0.041667	0.50000	0.50000	0.50000
0.010417	0.25000	0.25000						

Warnings

- Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- The following polygonal excavations have one or more re-entrant corners: 1, 2. The use of re-entrant corners is permitted but not recommended. CIRIA C580/C760, on which XDisp's method for modelling ground movements behind walls of excavations is based, considers only movements for points lying at right angles behind single walls. It does not consider how movements should be calculated within the zone of influence of re-entrant corners, i.e. where movements would be influenced by two walls adjacent to the re-entrant corner. By default, XDisp will merely sum the effects from both walls, making no allowance for interaction or stiffening of the corner. Please refer to help manual for artificial smoothing options. Re-entrant corners should be used with caution. Results in their vicinity should be validated independently.
- If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Vertical. This is an example only. There are 181 others.
- If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Ref.	Building Name	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:	
Sagging:	Sagging:	Sagging:			2nd Mom.	Dist. of	Dist. of	
2nd Mom.	Dist. of	Dist. of	example of such a combination, for which displacements will not be calculated is					
Excavation XP1/Side 3/Grid 1/Vertical. This is an example only. There are 77 others.								

Errors

None

Displacement Results - Displacement Lines

Stage:	Stage:	Disp.	Disp. Line: Name	Chainage	x	y	z	δx	δy
δz	δH//	δHperp.	Angle						
Ref.	Name	Line:	Ref.						
[mm]	[mm]	[mm]	[°]	[m]	[m]	[m]	[m]	[mm]	[mm]
0	Base Model 1	No 11 LG - Line 1		0.0	-31.74200	10.69900	98.25000	0.0	0.0
0.0	0.0	0.0	87.259						
0.0	0.0	0.0	87.259	0.53328	-31.71650	11.23167	98.25000	0.0	0.0
0.0	0.0	0.0	87.259	1.0666	-31.69100	11.76433	98.25000	0.0	0.0
0.0	0.0	0.0	87.259	1.5998	-31.66550	12.29700	98.25000	0.0	0.0
0.0	0.0	0.0	87.259	2.1331	-31.64000	12.82967	98.25000	0.0	0.0
0.0	0.0	0.0	87.259	2.6664	-31.61450	13.36233	98.25000	0.0	0.0
0.0	0.0	0.0	87.259	3.1997	-31.58900	13.89500	98.25000	0.0	0.0
0.0	0.0	2	No 11 LG - Line 2	0.0	-31.58900	13.89500	98.25000	0.0	0.0
0.0	0.0	0.0	357.27						
0.0	0.0	0.0	357.27	0.50397	-31.08560	13.87100	98.25000	0.0	0.0
0.0	0.0	0.0	357.27	1.0079	-30.58220	13.84700	98.25000	0.0	0.0
0.0	0.0	0.0	357.27	1.5119	-30.07880	13.82300	98.25000	0.0	0.0
0.0	0.0	0.0	357.27	2.0159	-29.57540	13.79900	98.25000	0.0	0.0
0.0	0.0	0.0	357.27	2.5199	-29.07200	13.77500	98.25000	0.0	0.0
0.0	0.0	3	No 11 LG - Line 3	0.0	-29.07200	13.77500	98.25000	0.0	0.0
0.0	0.0	0.0	87.258						
0.0	0.0	0.0	87.258	0.48725	-29.04869	14.26169	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	0.97449	-29.02538	14.74838	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	1.4617	-29.00206	15.23506	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	1.9490	-28.97875	15.72175	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	2.4362	-28.95544	16.20844	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	2.9235	-28.93212	16.69513	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	3.4107	-28.90881	17.18181	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	3.8980	-28.88550	17.66850	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	4.3852	-28.86219	18.15519	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	4.8725	-28.83888	18.64187	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	5.3597	-28.81556	19.12856	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	5.8469	-28.79225	19.61525	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	6.3342	-28.76894	20.10194	98.25000	0.0	0.0
0.0	0.0	0.0	87.258	6.8214	-28.74563	20.58863	98.25000	0.0	0.0



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	87.258		7.3087	-28.72231	21.07531	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		7.7959	-28.69900	21.56200	98.25000	0.0	0.0
0.0	0.0	4	169.83	No 11 LG - Line 4	0.0	-28.69900	21.56200	98.25000	0.0	0.0
0.0	0.0	0.0	169.83		0.22097	-28.91650	21.60100	98.25000	0.0	0.0
0.0	0.0	0.0	169.83		0.44194	-29.13400	21.64000	98.25000	0.0	0.0
0.0	0.0	5	87.265	No 11 LG - Line 5	0.0	-29.13400	21.64000	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		0.52393	-29.10900	22.16333	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		1.0479	-29.08400	22.68667	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		1.5718	-29.05900	23.21000	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		2.0957	-29.03400	23.73333	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		2.6197	-29.00900	24.25667	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		3.1436	-28.98400	24.78000	98.25000	0.0	0.0
0.0	0.0	6	357.26	No 11 LG - Line 6	0.0	-28.98400	24.78000	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		0.50429	-28.48029	24.75592	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.0086	-27.97658	24.73184	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.5129	-27.47287	24.70776	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.0171	-26.96916	24.68368	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.5214	-26.46545	24.65961	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.0257	-25.96174	24.63553	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.5300	-25.45803	24.61145	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.0343	-24.95432	24.58737	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.5386	-24.45061	24.56329	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.0429	-23.94689	24.53921	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.5471	-23.44318	24.51513	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.0514	-22.93947	24.49105	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.5557	-22.43576	24.46697	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.0600	-21.93205	24.44289	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.5643	-21.42834	24.41882	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.0686	-20.92463	24.39474	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.5729	-20.42092	24.37066	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.0771	-19.91721	24.34658	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.5814	-19.41350	24.32250	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.086	-18.90979	24.29842	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.590	-18.40608	24.27434	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.094	-17.90237	24.25026	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.599	-17.39866	24.22618	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.103	-16.89495	24.20211	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.607	-16.39124	24.17803	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.111	-15.88753	24.15395	98.25000	0.0	0.0



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Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	357.26							
					13.616	-15.38382	24.12987	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					14.120	-14.88011	24.10579	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					14.624	-14.37639	24.08171	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					15.129	-13.87268	24.05763	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					15.633	-13.36897	24.03355	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					16.137	-12.86526	24.00947	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					16.641	-12.36155	23.98539	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					17.146	-11.85784	23.96132	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					17.650	-11.35413	23.93724	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					18.154	-10.85042	23.91316	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					18.659	-10.34671	23.88908	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
					19.163	-9.84300	23.86500	98.25000	0.0	0.0
0.0	0.0	0.0	357.26							
		7	No 11 IG - Line 7		0.0	-9.84300	23.86500	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					0.50701	-9.86721	23.35857	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					1.0140	-9.89143	22.85214	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					1.5210	-9.91564	22.34571	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					2.0280	-9.93986	21.83929	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					2.5350	-9.96407	21.33286	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					3.0420	-9.98829	20.82643	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					3.5490	-10.01250	20.32000	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					4.0561	-10.03671	19.81357	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					4.5631	-10.06093	19.30714	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					5.0701	-10.08514	18.80071	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					5.5771	-10.10936	18.29429	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					6.0841	-10.13357	17.78786	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					6.5911	-10.15779	17.28143	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					7.0981	-10.18200	16.77500	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					7.6051	-10.20621	16.26857	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					8.1121	-10.23043	15.76214	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					8.6191	-10.25464	15.25571	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					9.1261	-10.27886	14.74929	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					9.6331	-10.30307	14.24286	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					10.140	-10.32729	13.73643	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					10.647	-10.35150	13.23000	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					11.154	-10.37571	12.72357	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					11.661	-10.39993	12.21714	98.25000	0.0	0.0
0.0	0.0	0.0	267.26							
					12.168	-10.42414	11.71071	98.25000	0.0	-0.038095
0.0069409	0.038052	0.0018194	267.26							
					12.675	-10.44836	11.20429	98.25000	0.0	-0.20690
0.031112	0.20667	0.0098816	267.26							



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.061097	0.37529	0.017944	267.26		13.182	-10.47257	10.69786	98.25000	0.0	-0.37571
0.11230	0.54390	0.026006	267.26		13.689	-10.49679	10.19143	98.25000	0.0	-0.54452
0.19643	0.71252	0.034068	267.26		14.196	-10.52100	9.68500	98.25000	0.0	-0.71333
0.19643	-0.034046	0.71252	177.26	No 11 IG - Line 8	0.0	-10.52100	9.68500	98.25000	0.0	-0.71333
0.19154	-0.033662	0.70448	177.26		0.50584	-11.02626	9.70914	98.25000	0.0	-0.70529
0.18674	-0.033278	0.69644	177.26		1.0117	-11.53152	9.73329	98.25000	0.0	-0.69724
0.18203	-0.032894	0.68841	177.26		1.5175	-12.03679	9.75743	98.25000	0.0	-0.68919
0.17742	-0.032510	0.68037	177.26		2.0234	-12.54205	9.78157	98.25000	0.0	-0.68114
0.17290	-0.032126	0.67233	177.26		2.5292	-13.04731	9.80571	98.25000	0.0	-0.67310
0.16846	-0.031742	0.66429	177.26		3.0350	-13.55257	9.82986	98.25000	0.0	-0.66505
0.16412	-0.031358	0.65625	177.26		3.5409	-14.05783	9.85400	98.25000	0.0	-0.65700
0.15987	-0.030973	0.64821	177.26		4.0467	-14.56310	9.87814	98.25000	0.0	-0.64895
0.15570	-0.030589	0.64017	177.26		4.5525	-15.06836	9.90229	98.25000	0.0	-0.64090
0.15162	-0.030205	0.63214	177.26		5.0584	-15.57362	9.92643	98.25000	0.0	-0.63286
0.14763	-0.029821	0.62410	177.26		5.5642	-16.07888	9.95057	98.25000	0.0	-0.62481
0.14372	-0.029437	0.61606	177.26		6.0701	-16.58414	9.97471	98.25000	0.0	-0.61676
0.13989	-0.029053	0.60802	177.26		6.5759	-17.08940	9.99886	98.25000	0.0	-0.60871
0.13615	-0.028669	0.59998	177.26		7.0817	-17.59467	10.02300	98.25000	0.0	-0.60067
0.13243	-0.028271	0.59165	177.26		7.5876	-18.09993	10.04714	98.25000	0.0	-0.59232
0.11358	-0.025046	0.52415	177.26		8.0934	-18.60519	10.07129	98.25000	0.0	-0.52475
0.090085	-0.021235	0.44440	177.26		8.5993	-19.11045	10.09543	98.25000	0.0	-0.44490
0.066390	-0.017171	0.35935	177.26		9.1051	-19.61571	10.11957	98.25000	0.0	-0.35976
0.045763	-0.013111	0.27438	177.26		9.6109	-20.12098	10.14371	98.25000	0.0	-0.27470
0.029652	-0.0092234	0.19303	177.26		10.117	-20.62624	10.16786	98.25000	0.0	-0.19325
0.017665	-0.0056025	0.11725	177.26		10.623	-21.13150	10.19200	98.25000	0.0	-0.11738
0.0078921	-0.0022878	0.047879	177.26		11.128	-21.63676	10.21614	98.25000	0.0	-0.047933
0.0	0.0	0.0	177.26		11.634	-22.14202	10.24029	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		12.140	-22.64729	10.26443	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		12.646	-23.15255	10.28857	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		13.152	-23.65781	10.31271	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		13.658	-24.16307	10.33686	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		14.163	-24.66833	10.36100	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		14.669	-25.17360	10.38514	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		15.175	-25.67886	10.40929	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		15.681	-26.18412	10.43343	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		16.187	-26.68938	10.45757	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		16.693	-27.19464	10.48171	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		17.199	-27.69990	10.50586	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		17.704	-28.20517	10.53000	98.25000	0.0	0.0



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Stage 1 - Short Term - Demolition

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	177.26		18.210	-28.71043	10.55414	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		18.716	-29.21569	10.57829	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		19.222	-29.72095	10.60243	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		19.728	-30.22621	10.62657	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		20.234	-30.73148	10.65071	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		20.739	-31.23674	10.67486	98.25000	0.0	0.0
0.0	0.0	0.0	177.26		21.245	-31.74200	10.69900	98.25000	0.0	0.0
0.23075	-0.31526	0.35249	0.21692	9 No 7 LG - Line 1	0.0	-20.99000	-4.35700	96.40000	-0.31659	0.35129
0.092889	-0.030159	0.30162	0.21692		1.0235	-19.96650	-4.35313	96.40000	-0.031301	0.30150
0.088129	0.0011367	0.30025	0.21692		2.0470	-18.94300	-4.34925	96.40000	0.0	0.30025
0.088995	0.0011416	0.30154	0.21692		3.0705	-17.91950	-4.34537	96.40000	0.0	0.30154
0.089868	0.0011465	0.30283	0.21692		4.0940	-16.89600	-4.34150	96.40000	0.0	0.30283
0.090747	0.0011514	0.30412	0.21692		5.1175	-15.87250	-4.33763	96.40000	0.0	0.30413
0.091632	0.0011563	0.30541	0.21692		6.1410	-14.84900	-4.33375	96.40000	0.0	0.30542
0.092523	0.0011612	0.30671	0.21692		7.1646	-13.82550	-4.32987	96.40000	0.0	0.30671
0.12608	0.16401	0.33047	0.21692		8.1881	-12.80200	-4.32600	96.40000	0.16275	0.33109
0.13707	-0.33594	0.19228	0.270.06	10 No 7 LG - Line 2	0.0	-12.70200	-4.32600	96.40000	0.19191	0.33615
0.015785	-0.069325	0.034110	0.270.06		1.0844	-12.70080	-5.41040	96.40000	0.034033	0.069363
0.0055855	-0.035044	38.780E-6	0.270.06		2.1688	-12.69960	-6.49480	96.40000	0.0	0.035044
0.0	0.0	0.0	0.270.06		3.2532	-12.69840	-7.57920	96.40000	0.0	0.0
0.0	0.0	0.0	0.270.06		4.3376	-12.69720	-8.66360	96.40000	0.0	0.0
0.0	0.0	0.0	0.270.06		5.4220	-12.69600	-9.74800	96.40000	0.0	0.0
0.0	0.0	0.0	0.270.06		0.0	-12.69600	-9.84800	96.40000	0.0	0.0
0.0	0.0	0.0	0.0	11 No 7 LG - Line 3	0.93500	-11.76100	-9.84800	96.40000	0.0	0.0
0.0	0.0	0.0	0.0		1.8700	-10.82600	-9.84800	96.40000	0.0	0.0
0.0	0.0	0.0	0.0		2.8050	-9.89100	-9.84800	96.40000	0.0	0.0
0.0	0.0	0.0	0.0	12 No 7 LG - Line 4	0.0	-9.89100	-9.94800	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		0.95449	-9.87383	-10.90233	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		1.9090	-9.85667	-11.85667	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		2.8635	-9.83950	-12.81100	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		3.8180	-9.82233	-13.76533	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		4.7724	-9.80517	-14.71967	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		5.7269	-9.78800	-15.67400	96.40000	0.0	0.0
0.0	0.0	0.0	0.271.03		0.0	-9.78800	-15.77400	96.40000	0.0	0.0
0.0	0.0	0.0	0.180.00	13 No 7 LG - Line 5	0.98400	-10.77200	-15.77400	96.40000	0.0	0.0
0.0	0.0	0.0	0.180.00		1.9680	-11.75600	-15.77400	96.40000	0.0	0.0
0.0	0.0	0.0	0.180.00		2.9520	-12.74000	-15.77400	96.40000	0.0	0.0
0.0	0.0	0.0	0.180.00		0.0	-12.74000	-15.87400	96.40000	0.0	0.0
0.0	0.0	0.0	0.266.60	14 No 7 LG - Line 6						



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	266.60		0.95107	-12.79640	-16.82340	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		1.9021	-12.85280	-17.77280	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		2.8532	-12.90920	-18.72220	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		3.8043	-12.96560	-19.67160	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		4.7554	-13.02200	-20.62100	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		5.7064	-13.07840	-21.57040	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		6.6575	-13.13480	-22.51980	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		7.6086	-13.19120	-23.46920	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		8.5597	-13.24760	-24.41860	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		9.5107	-13.30400	-25.36800	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		10.462	-13.36040	-26.31740	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		11.413	-13.41680	-27.26680	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		12.364	-13.47320	-28.21620	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		13.315	-13.52960	-29.16560	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		14.266	-13.58600	-30.11500	96.40000	0.0	0.0
0.0	0.0	15	266.60	No 7 LG - Line 7	0.0	-13.58600	-30.21500	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		1.0545	-14.64010	-30.24270	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		2.1089	-15.69420	-30.27040	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		3.1634	-16.74830	-30.29810	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		4.2179	-17.80240	-30.32580	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		5.2723	-18.85650	-30.35350	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		6.3268	-19.91060	-30.38120	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		7.3812	-20.96470	-30.40890	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		8.4357	-22.01880	-30.43660	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		9.4902	-23.07290	-30.46430	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		10.545	-24.12700	-30.49200	96.40000	0.0	0.0
0.0	0.0	16	181.51	No 7 LG - Line 8	0.0	-24.22700	-30.49200	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		1.0190	-24.23400	-29.47300	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		2.0380	-24.24100	-28.45400	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		0.0	-24.34100	-28.45400	96.40000	0.0	0.0
0.0	0.0	17	180.47	No 7 LG - Line 9	0.0	-24.34100	-28.45400	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		0.72952	-25.07050	-28.46000	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		1.4590	-25.80000	-28.46600	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		0.0	-25.90000	-28.46600	96.40000	0.0	0.0
0.0	0.0	18	90.404	No 7 LG - Line 10	0.0	-25.90000	-28.46600	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		1.3465	-25.90950	-27.11950	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		2.6931	-25.91900	-25.77300	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		0.0	-25.81900	-25.77300	96.40000	0.0	0.0
0.0	0.0	19	0.47124	No 7 LG - Line 11	0.0	-25.81900	-25.77300	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		0.72952	-25.08950	-25.76700	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		1.4590	-24.36000	-25.76100	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		0.0	-24.26000	-25.76100	96.40000	0.0	0.0
0.0	0.0	20	0.47124	No 7 LG - Line 12	0.0	-24.26000	-25.76100	96.40000	0.0	0.0



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9 Lyndhurst Terrace, London
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Stage 1 - Short Term - Demolition

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Drg. Ref.		
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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.404							
					0.99331	-24.26700	-24.76771	96.40000	0.0	0.0
0.0	0.0	0.0	90.404							
					1.9866	-24.27400	-23.77443	96.40000	0.0	0.0
0.0	0.0	0.0	90.404							
					2.9799	-24.28100	-22.78114	96.40000	0.0	0.0
0.0	0.0	0.0	90.404							
					3.9732	-24.28800	-21.78786	96.40000	0.0	0.0
0.0	0.0	0.0	90.404							
					4.9666	-24.29500	-20.79457	96.40000	0.0	0.0
0.0	0.0	0.0	90.404							
					5.9599	-24.30200	-19.80129	96.40000	0.0	0.0
0.0	0.0	0.0	90.404							
					6.9532	-24.30900	-18.80800	96.40000	0.0	0.0
0.0	0.0	21	90.404	No 7 LG - Line 13						
					0.0	-24.30900	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00							
					0.92900	-25.23800	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00							
					1.8580	-26.16700	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00							
		22	180.00	No 7 LG - Line 14						
					0.0	-26.26700	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	126.44							
					0.84069	-26.76633	-18.03167	96.40000	0.0	0.0
0.0	0.0	0.0	126.44							
					1.6814	-27.26567	-17.35533	96.40000	0.0	0.0
0.0	0.0	0.0	126.44							
					2.5221	-27.76500	-16.67900	96.40000	0.0	0.0
0.0	0.0	0.0	126.44							
		23	126.44	No 7 LG - Line 15						
					0.0	-27.76500	-16.57900	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					1.0829	-27.72513	-15.49688	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					2.1657	-27.68525	-14.41475	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					3.2486	-27.64538	-13.33263	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					4.3314	-27.60550	-12.25050	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					5.4143	-27.56563	-11.16838	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					6.4972	-27.52575	-10.08625	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					7.5800	-27.48588	-9.00413	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					8.6629	-27.44600	-7.92200	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
		24	87.890	No 7 LG - Line 16						
					0.0	-27.44600	-7.82200	96.40000	0.0	0.0
0.0	0.0	0.0	0.048597							
					0.58950	-26.85650	-7.82150	96.40000	0.0	0.0
0.0	0.0	0.0	0.048597							
					1.1790	-26.26700	-7.82100	96.40000	0.0	0.0
0.0	0.0	0.0	0.048597							
		25	0.048597	No 7 LG - Line 17						
					0.0	-26.16700	-7.82100	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.093000	-26.16710	-7.72800	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.18600	-26.16720	-7.63500	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.27900	-26.16730	-7.54200	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.37200	-26.16740	-7.44900	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.46500	-26.16750	-7.35600	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.55800	-26.16760	-7.26300	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.65100	-26.16770	-7.17000	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.74400	-26.16780	-7.07700	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.83700	-26.16790	-6.98400	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
					0.93000	-26.16800	-6.89100	96.40000	0.0	0.0
0.0	0.0	0.0	90.062							
		26	90.062	No 7 LG - Line 18						
					0.0	-26.06800	-6.89100	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950							



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	0.057950		0.98871	-25.07929	-6.89000	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950		1.9774	-24.09057	-6.88900	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950		2.9661	-23.10186	-6.88800	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950		3.9549	-22.11314	-6.88700	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950		4.9436	-21.12443	-6.88600	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950		5.9323	-20.13571	-6.88500	96.40000	0.0	0.0
0.0	0.0	0.0	0.057950		6.9210	-19.14700	-6.88400	96.40000	0.0	0.0
0.0	0.0	27	0.0	No 7 LG - Line 19	0.0	-19.04700	-6.88400	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.11840	-19.04700	-6.76560	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.23680	-19.04700	-6.64720	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.35520	-19.04700	-6.52880	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.47360	-19.04700	-6.41040	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.59200	-19.04700	-6.29200	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.71040	-19.04700	-6.17360	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.82880	-19.04700	-6.05520	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		0.94720	-19.04700	-5.93680	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		1.0656	-19.04700	-5.81840	96.40000	0.0	0.0
0.0	0.0	0.0	90.000		1.1840	-19.04700	-5.70000	96.40000	0.0	0.0
0.0	0.0	28	0.0	No 7 LG - Line 20	0.0	-19.14700	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		0.18430	-19.33130	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		0.36860	-19.51560	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		0.55290	-19.69990	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		0.73720	-19.88420	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		0.92150	-20.06850	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		1.1058	-20.25280	-5.70000	96.40000	0.0	0.0
0.0	0.0	0.0	180.000		1.2901	-20.43710	-5.70000	96.40000	0.0	0.0
0.0041238	0.011304	-0.012499	180.000		1.4744	-20.62140	-5.70000	96.40000	-0.011304	0.012499
0.0098262	0.027718	-0.036294	180.000		1.6587	-20.80570	-5.70000	96.40000	-0.027718	0.036294
0.015154	0.038956	-0.061934	180.000		1.8430	-20.99000	-5.70000	96.40000	-0.038956	0.061934
0.018218	0.076531	0.042763	90.000	29 No 7 LG - Line 21	0.0	-21.09000	-5.70000	96.40000	-0.042763	0.076531
0.025928	0.096490	0.060179	90.000		0.13430	-21.09000	-5.56570	96.40000	-0.060179	0.096490
0.036065	0.11323	0.079719	90.000		0.26860	-21.09000	-5.43140	96.40000	-0.079719	0.11323
0.049024	0.12623	0.10169	90.000		0.40290	-21.09000	-5.29710	96.40000	-0.10169	0.12623
0.069757	0.16394	0.12640	90.000		0.53720	-21.09000	-5.16280	96.40000	-0.12640	0.16394
0.094365	0.21235	0.15417	90.000		0.67150	-21.09000	-5.02850	96.40000	-0.15417	0.21235
0.12144	0.25508	0.18524	90.000		0.80580	-21.09000	-4.89420	96.40000	-0.18524	0.25508
0.15185	0.29152	0.21969	90.000		0.94010	-21.09000	-4.75990	96.40000	-0.21969	0.29152
0.18586	0.32130	0.25731	90.000		1.0744	-21.09000	-4.62560	96.40000	-0.25731	0.32130
					1.2087	-21.09000	-4.49130	96.40000	-0.29743	0.34442



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9 Lyndhurst Terrace, London
Ground Movement Assessment
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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.22323	0.34442	0.29743	90.000							
					1.3430	-21.09000	-4.35700	96.40000	-0.33874	0.36153
0.26340	0.36153	0.33874	90.000							
		30		No 7 LG - Line 22	0.0	-24.32700	-30.49200	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		0.95720	-25.28300	-30.44414	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		1.9144	-26.23900	-30.39629	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		2.8716	-27.19500	-30.34843	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		3.8288	-28.15100	-30.30057	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		4.7860	-29.10700	-30.25271	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		5.7432	-30.06300	-30.20486	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		6.7004	-31.01900	-30.15700	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
		31		No 7 LG - Line 23	0.0	-31.11900	-30.15700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		0.98917	-31.11825	-29.16783	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		1.9783	-31.11750	-28.17867	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		2.9675	-31.11675	-27.18950	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		3.9567	-31.11600	-26.20033	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		4.9458	-31.11525	-25.21117	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		5.9350	-31.11450	-24.22200	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		6.9242	-31.11375	-23.23283	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		7.9133	-31.11300	-22.24367	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		8.9025	-31.11225	-21.25450	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		9.8917	-31.11150	-20.26533	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		10.881	-31.11075	-19.27617	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		11.870	-31.11000	-18.28700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		12.859	-31.10925	-17.29783	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		13.848	-31.10850	-16.30867	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		14.838	-31.10775	-15.31950	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		15.827	-31.10700	-14.33033	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		16.816	-31.10625	-13.34117	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		17.805	-31.10550	-12.35200	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		18.794	-31.10475	-11.36283	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		19.783	-31.10400	-10.37367	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		20.773	-31.10325	-9.38450	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		21.762	-31.10250	-8.39533	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		22.751	-31.10175	-7.40617	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		23.740	-31.10100	-6.41700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
		32		No 7 LG - Line 24	0.0	-31.00100	-6.41700	96.40000	0.0	0.0
0.0	0.0	0.0	3.4327		0.96533	-30.03740	-6.35920	96.40000	0.0	0.0
0.0	0.0	0.0	3.4327		1.9307	-29.07380	-6.30140	96.40000	0.0	0.016200
0.0029315	969.99E-6	0.016171	3.4327		2.8960	-28.11020	-6.24360	96.40000	0.0	0.035467
0.0058547	0.0021236	0.035403	3.4327							



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Name Angle	Chainage	x	y	z	δx	δy
0.0085533	0.0032772	0.054635	3.4327	3.8613	-27.14660	-6.18580	96.40000	0.0	0.054733
0.011207	0.0044308	0.073867	3.4327	4.8267	-26.18300	-6.12800	96.40000	0.0	0.074000
0.011207	0.0064483	0.073719	4.9990	0.0	-26.08300	-6.12800	96.40000	0.0	0.074000
0.015413	0.0089347	0.10214	4.9990	0.98234	-25.10440	-6.04240	96.40000	0.0	0.10253
0.020402	0.011421	0.13057	4.9990	1.9647	-24.12580	-5.95680	96.40000	0.0	0.13107
0.026638	0.013907	0.15899	4.9990	2.9470	-23.14720	-5.87120	96.40000	0.0	0.15960
0.034539	0.016394	0.18742	4.9990	3.9293	-22.16860	-5.78560	96.40000	0.0	0.18813
0.021468	-0.036772	0.095088	4.9990	4.9117	-21.19000	-5.70000	96.40000	-0.044918	0.091523
0.0	0.0	0.0	90.000	0.0	2.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	1.0000	2.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	2.0000	2.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	3.0000	2.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	4.0000	2.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	5.0000	2.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	6.0000	2.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	7.0000	2.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	8.0000	2.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	9.0000	2.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	10.000	2.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	11.000	2.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	12.000	2.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	13.000	2.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	14.000	2.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	15.000	2.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	16.000	2.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	17.000	2.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	18.000	2.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	19.000	2.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	20.000	2.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	21.000	2.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	22.000	2.00000	-18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	23.000	2.00000	-17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	24.000	2.00000	-16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	25.000	2.00000	-15.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	26.000	2.00000	-14.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	27.000	2.00000	-13.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	28.000	2.00000	-12.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	29.000	2.00000	-11.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	30.000	2.00000	-10.00000	98.75000	0.0	0.0



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		31.000	2.00000	-9.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		32.000	2.00000	-8.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		33.000	2.00000	-7.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		34.000	2.00000	-6.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		35.000	2.00000	-5.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		36.000	2.00000	-4.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		37.000	2.00000	-3.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		38.000	2.00000	-2.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		39.000	2.00000	-1.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		40.000	2.00000	0.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		41.000	2.00000	1.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		42.000	2.00000	2.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		43.000	2.00000	3.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		44.000	2.00000	4.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		45.000	2.00000	5.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		46.000	2.00000	6.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		47.000	2.00000	7.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		48.000	2.00000	8.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		49.000	2.00000	9.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		50.000	2.00000	10.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		51.000	2.00000	11.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		52.000	2.00000	12.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		53.000	2.00000	13.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		54.000	2.00000	14.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		55.000	2.00000	15.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		56.000	2.00000	16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		57.000	2.00000	17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		58.000	2.00000	18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		59.000	2.00000	19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		60.000	2.00000	20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		61.000	2.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	2.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	2.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	2.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	2.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	2.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	2.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	2.00000	28.00000	98.75000	0.0	0.0



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		69.000	2.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	2.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	35	90.000	Lyndhurst Terrace Curb Line	0.0	-1.00000	-40.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		1.0000	-1.00000	-39.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	-1.00000	-38.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		3.0000	-1.00000	-37.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		4.0000	-1.00000	-36.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	-1.00000	-35.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	-1.00000	-34.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	-1.00000	-33.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	-1.00000	-32.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	-1.00000	-31.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		10.000	-1.00000	-30.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	-1.00000	-29.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	-1.00000	-28.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	-1.00000	-27.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	-1.00000	-26.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	-1.00000	-25.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	-1.00000	-24.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	-1.00000	-23.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	-1.00000	-22.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	-1.00000	-21.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	-1.00000	-20.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	-1.00000	-19.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	-1.00000	-18.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		23.000	-1.00000	-17.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		24.000	-1.00000	-16.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		25.000	-1.00000	-15.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		26.000	-1.00000	-14.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		27.000	-1.00000	-13.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		28.000	-1.00000	-12.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		29.000	-1.00000	-11.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		30.000	-1.00000	-10.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		31.000	-1.00000	-9.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		32.000	-1.00000	-8.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		33.000	-1.00000	-7.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		34.000	-1.00000	-6.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		35.000	-1.00000	-5.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		36.000	-1.00000	-4.00000	99.25000	-0.14281	0.085097



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.026132	0.085097	0.14281	90.000		37.000	-1.00000	-3.00000	99.25000	-0.28191	0.10243
0.048478	0.10243	0.28191	90.000		38.000	-1.00000	-2.00000	99.25000	-0.38295	0.050958
0.065562	0.050958	0.38295	90.000		39.000	-1.00000	-1.00000	99.25000	-0.41679	0.021936
0.071245	0.021936	0.41679	90.000		40.000	-1.00000	0.00000	99.25000	-0.43429	0.022857
0.075952	0.022857	0.43429	90.000		41.000	-1.00000	1.00000	99.25000	-0.45178	0.023778
0.080940	0.023778	0.45178	90.000		42.000	-1.00000	2.00000	99.25000	-0.46928	0.024699
0.086222	0.024699	0.46928	90.000		43.000	-1.00000	3.00000	99.25000	-0.48677	0.025620
0.091811	0.025620	0.48677	90.000		44.000	-1.00000	4.00000	99.25000	-0.50427	0.026540
0.097720	0.026540	0.50427	90.000		45.000	-1.00000	5.00000	99.25000	-0.52176	0.027461
0.10396	0.027461	0.52176	90.000		46.000	-1.00000	6.00000	99.25000	-0.53838	0.027463
0.11054	0.027463	0.53838	90.000		47.000	-1.00000	7.00000	99.25000	-0.43532	-0.056432
0.10135	-0.056432	0.43532	90.000		48.000	-1.00000	8.00000	99.25000	-0.29156	-0.10558
0.070084	-0.10558	0.29156	90.000		49.000	-1.00000	9.00000	99.25000	-0.14615	-0.093419
0.037143	-0.093419	0.14615	90.000		50.000	-1.00000	10.00000	99.25000	-0.017920	-0.017030
0.0065874	-0.017030	0.017920	90.000		51.000	-1.00000	11.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		52.000	-1.00000	12.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		53.000	-1.00000	13.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		54.000	-1.00000	14.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		55.000	-1.00000	15.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		56.000	-1.00000	16.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		57.000	-1.00000	17.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		58.000	-1.00000	18.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		59.000	-1.00000	19.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		60.000	-1.00000	20.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		61.000	-1.00000	21.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	-1.00000	22.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	-1.00000	23.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	-1.00000	24.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	-1.00000	25.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	-1.00000	26.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	-1.00000	27.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	-1.00000	28.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	-1.00000	29.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	-1.00000	30.00000	99.25000	0.0	0.0
0.0	0.0	36	90.000	Cadent Gas Asset	0.0	0.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		1.0000	0.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	0.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		3.0000	0.00000	-37.00000	98.75000	0.0	0.0



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		4.0000	0.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	0.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	0.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	0.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	0.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	0.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		10.000	0.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	0.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	0.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	0.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	0.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	0.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	0.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	0.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	0.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	0.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	0.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	0.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	0.00000	-18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		23.000	0.00000	-17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		24.000	0.00000	-16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		25.000	0.00000	-15.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		26.000	0.00000	-14.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		27.000	0.00000	-13.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		28.000	0.00000	-12.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		29.000	0.00000	-11.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		30.000	0.00000	-10.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		31.000	0.00000	-9.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		32.000	0.00000	-8.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		33.000	0.00000	-7.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		34.000	0.00000	-6.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		35.000	0.00000	-5.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		36.000	0.00000	-4.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		37.000	0.00000	-3.00000	98.75000	0.0	0.0
0.010982	0.0067848	0.062558	90.000		38.000	0.00000	-2.00000	98.75000	-0.062558	0.0067848
0.014033	0.0044410	0.084379	90.000		39.000	0.00000	-1.00000	98.75000	-0.084379	0.0044410
0.016543	0.0053618	0.10187	90.000		40.000	0.00000	0.00000	98.75000	-0.10187	0.0053618
0.018996	0.0062826	0.11937	90.000		41.000	0.00000	1.00000	98.75000	-0.11937	0.0062826
					42.000	0.00000	2.00000	98.75000	-0.13687	0.0072034



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.021414	0.0072034	0.13687	90.000							
					43.000	0.00000	3.00000	98.75000	-0.15436	0.0081242
0.023817	0.0081242	0.15436	90.000							
					44.000	0.00000	4.00000	98.75000	-0.17186	0.0090450
0.026226	0.0090450	0.17186	90.000							
					45.000	0.00000	5.00000	98.75000	-0.18935	0.0099659
0.028662	0.0099659	0.18935	90.000							
					46.000	0.00000	6.00000	98.75000	-0.20511	0.0091880
0.031126	0.0091880	0.20511	90.000							
					47.000	0.00000	7.00000	98.75000	-0.16256	-0.015795
0.028315	-0.015795	0.16256	90.000							
					48.000	0.00000	8.00000	98.75000	-0.078101	-0.021303
0.016770	-0.021303	0.078101	90.000							
					49.000	0.00000	9.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					50.000	0.00000	10.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					51.000	0.00000	11.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					52.000	0.00000	12.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					53.000	0.00000	13.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					54.000	0.00000	14.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					55.000	0.00000	15.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					56.000	0.00000	16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					57.000	0.00000	17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					58.000	0.00000	18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					59.000	0.00000	19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					60.000	0.00000	20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					61.000	0.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					62.000	0.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					63.000	0.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					64.000	0.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					65.000	0.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					66.000	0.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					67.000	0.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					68.000	0.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					69.000	0.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					70.000	0.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					0.0	-2.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	UKPN Asset						
					1.0000	-2.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					2.0000	-2.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					3.0000	-2.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					4.0000	-2.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					5.0000	-2.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					6.0000	-2.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					7.0000	-2.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					8.0000	-2.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					9.0000	-2.00000	-31.00000	98.75000	0.0	0.0



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		10.000	-2.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	-2.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	-2.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	-2.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	-2.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	-2.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	-2.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	-2.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	-2.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	-2.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	-2.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	-2.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	-2.00000	-18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		23.000	-2.00000	-17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		24.000	-2.00000	-16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		25.000	-2.00000	-15.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		26.000	-2.00000	-14.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		27.000	-2.00000	-13.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		28.000	-2.00000	-12.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		29.000	-2.00000	-11.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		30.000	-2.00000	-10.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		31.000	-2.00000	-9.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		32.000	-2.00000	-8.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		33.000	-2.00000	-7.00000	98.75000	0.0	0.0
0.0070913	0.023959	0.030805	90.000		34.000	-2.00000	-6.00000	98.75000	-0.030805	0.023959
0.036558	0.14960	0.19234	90.000		35.000	-2.00000	-5.00000	98.75000	-0.19234	0.14960
0.079736	0.27182	0.35511	90.000		36.000	-2.00000	-4.00000	98.75000	-0.35511	0.27182
0.14647	0.25511	0.53868	90.000		37.000	-2.00000	-3.00000	98.75000	-0.53868	0.25511
0.20315	0.11963	0.69275	90.000		38.000	-2.00000	-2.00000	98.75000	-0.69275	0.11963
0.22007	0.039432	0.74920	90.000		39.000	-2.00000	-1.00000	98.75000	-0.74920	0.039432
0.23199	0.040353	0.76670	90.000		40.000	-2.00000	0.00000	98.75000	-0.76670	0.040353
0.24439	0.041273	0.78419	90.000		41.000	-2.00000	1.00000	98.75000	-0.78419	0.041273
0.25725	0.042194	0.80169	90.000		42.000	-2.00000	2.00000	98.75000	-0.80169	0.042194
0.27058	0.043115	0.81919	90.000		43.000	-2.00000	3.00000	98.75000	-0.81919	0.043115
0.28440	0.044036	0.83668	90.000		44.000	-2.00000	4.00000	98.75000	-0.83668	0.044036
0.29869	0.044957	0.85418	90.000		45.000	-2.00000	5.00000	98.75000	-0.85418	0.044957
0.31347	0.045877	0.87167	90.000		46.000	-2.00000	6.00000	98.75000	-0.87167	0.045877
0.28618	-0.12643	0.67705	90.000		47.000	-2.00000	7.00000	98.75000	-0.67705	-0.12643
					48.000	-2.00000	8.00000	98.75000	-0.44927	-0.23527



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.19367	-0.23527	0.44927	90.000		49.000	-2.00000	9.00000	98.75000	-0.25576	-0.23754
0.098467	-0.23754	0.25576	90.000		50.000	-2.00000	10.00000	98.75000	-0.10737	-0.14800
0.039303	-0.14800	0.10737	90.000		51.000	-2.00000	11.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		52.000	-2.00000	12.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		53.000	-2.00000	13.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		54.000	-2.00000	14.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		55.000	-2.00000	15.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		56.000	-2.00000	16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		57.000	-2.00000	17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		58.000	-2.00000	18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		59.000	-2.00000	19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		60.000	-2.00000	20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		61.000	-2.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	-2.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	-2.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	-2.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	-2.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	-2.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	-2.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	-2.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	-2.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	-2.00000	30.00000	98.75000	0.0	0.0

Displacement Results - Displacement Grids

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
0	Base Model 1	Grid 1		-40.00000	-40.00000	99.75000	0.0	0.0	0.0080662	*
				-39.00000	-40.00000	99.75000	0.0	0.0	0.0079378	*
				-38.00000	-40.00000	99.75000	0.0	0.0	0.0078050	*
				-37.00000	-40.00000	99.75000	0.0	0.0	0.0076686	*
				-36.00000	-40.00000	99.75000	0.0	0.0	0.0075295	*
				-35.00000	-40.00000	99.75000	0.0	0.0	0.0073889	*
				-34.00000	-40.00000	99.75000	0.0	0.0	0.0072476	*
				-33.00000	-40.00000	99.75000	0.0	0.0	0.0071069	*
				-32.00000	-40.00000	99.75000	0.0	0.0	0.0069678	*
				-31.00000	-40.00000	99.75000	0.0	0.0	0.0068317	*
				-30.00000	-40.00000	99.75000	0.0	0.0	0.0066996	*
				-29.00000	-40.00000	99.75000	0.0	0.0	0.0065729	*
				-28.00000	-40.00000	99.75000	0.0	0.0	0.0064527	*
				-27.00000	-40.00000	99.75000	0.0	0.0	0.0063401	*
				-26.00000	-40.00000	99.75000	0.0	0.0	0.0062364	*
				-25.00000	-40.00000	99.75000	0.0	0.0	0.0061425	*
				-24.00000	-40.00000	99.75000	0.0	0.0	0.0060594	*
				-23.00000	-40.00000	99.75000	0.0	0.0	0.0059880	*
				-22.00000	-40.00000	99.75000	0.0	0.0	0.0059291	*
				-21.00000	-40.00000	99.75000	0.0	0.0	0.0058833	*
				-20.00000	-40.00000	99.75000	0.0	0.0	0.0058511	*
				-19.00000	-40.00000	99.75000	0.0	0.0	0.0058329	*
				-18.00000	-40.00000	99.75000	0.0	0.0	0.0058288	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-17.00000	-40.00000	99.75000	0.0	0.0	0.0058389	*
				-16.00000	-40.00000	99.75000	0.0	0.0	0.0058631	*
				-15.00000	-40.00000	99.75000	0.0	0.0	0.0059011	*
				-14.00000	-40.00000	99.75000	0.0	0.0	0.0059526	*
				-13.00000	-40.00000	99.75000	0.0	0.0	0.0060168	*
				-12.00000	-40.00000	99.75000	0.0	0.0	0.0060933	*
				-11.00000	-40.00000	99.75000	0.0	0.0	0.0061811	*
				-10.00000	-40.00000	99.75000	0.0	0.0	0.0062793	*
				-9.00000	-40.00000	99.75000	0.0	0.0	0.0063869	*
				-8.00000	-40.00000	99.75000	0.0	0.0	0.0065028	*
				-7.00000	-40.00000	99.75000	0.0	0.0	0.0066260	*
				-6.00000	-40.00000	99.75000	0.0	0.0	0.0067551	*
				-5.00000	-40.00000	99.75000	0.0	0.0	0.0068890	*
				-4.00000	-40.00000	99.75000	0.0	0.0	0.0070265	*
				-3.00000	-40.00000	99.75000	0.0	0.0	0.0071664	*
				-2.00000	-40.00000	99.75000	0.0	0.0	0.0073075	*
				-1.00000	-40.00000	99.75000	0.0	0.0	0.0074487	*
				0.00000	-40.00000	99.75000	0.0	0.0	0.0075888	*
				1.00000	-40.00000	99.75000	0.0	0.0	0.0	
				2.00000	-40.00000	99.75000	0.0	0.0	0.0	
				3.00000	-40.00000	99.75000	0.0	0.0	0.0	
				4.00000	-40.00000	99.75000	0.0	0.0	0.0	
				5.00000	-40.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-39.00000	99.75000	0.0	0.0	0.0077971	*
				-39.00000	-39.00000	99.75000	0.0	0.0	0.0076454	*
				-38.00000	-39.00000	99.75000	0.0	0.0	0.0074888	*
				-37.00000	-39.00000	99.75000	0.0	0.0	0.0073281	*
				-36.00000	-39.00000	99.75000	0.0	0.0	0.0071646	*
				-35.00000	-39.00000	99.75000	0.0	0.0	0.0069993	*
				-34.00000	-39.00000	99.75000	0.0	0.0	0.0068334	*
				-33.00000	-39.00000	99.75000	0.0	0.0	0.0066683	*
				-32.00000	-39.00000	99.75000	0.0	0.0	0.0065052	*
				-31.00000	-39.00000	99.75000	0.0	0.0	0.0063456	*
				-30.00000	-39.00000	99.75000	0.0	0.0	0.0061908	*
				-29.00000	-39.00000	99.75000	0.0	0.0	0.0060422	*
				-28.00000	-39.00000	99.75000	0.0	0.0	0.0059013	*
				-27.00000	-39.00000	99.75000	0.0	0.0	0.0057694	*
				-26.00000	-39.00000	99.75000	0.0	0.0	0.0056478	*
				-25.00000	-39.00000	99.75000	0.0	0.0	0.0055377	*
				-24.00000	-39.00000	99.75000	0.0	0.0	0.0054403	*
				-23.00000	-39.00000	99.75000	0.0	0.0	0.0053567	*
				-22.00000	-39.00000	99.75000	0.0	0.0	0.0052876	*
				-21.00000	-39.00000	99.75000	0.0	0.0	0.0052339	*
				-20.00000	-39.00000	99.75000	0.0	0.0	0.0051962	*
				-19.00000	-39.00000	99.75000	0.0	0.0	0.0051748	*
				-18.00000	-39.00000	99.75000	0.0	0.0	0.0051700	*
				-17.00000	-39.00000	99.75000	0.0	0.0	0.0051818	*
				-16.00000	-39.00000	99.75000	0.0	0.0	0.0052102	*
				-15.00000	-39.00000	99.75000	0.0	0.0	0.0052548	*
				-14.00000	-39.00000	99.75000	0.0	0.0	0.0053151	*
				-13.00000	-39.00000	99.75000	0.0	0.0	0.0053904	*
				-12.00000	-39.00000	99.75000	0.0	0.0	0.0054800	*
				-11.00000	-39.00000	99.75000	0.0	0.0	0.0055829	*
				-10.00000	-39.00000	99.75000	0.0	0.0	0.0056980	*
				-9.00000	-39.00000	99.75000	0.0	0.0	0.0058241	*
				-8.00000	-39.00000	99.75000	0.0	0.0	0.0059600	*
				-7.00000	-39.00000	99.75000	0.0	0.0	0.0061044	*
				-6.00000	-39.00000	99.75000	0.0	0.0	0.0062557	*
				-5.00000	-39.00000	99.75000	0.0	0.0	0.0064128	*
				-4.00000	-39.00000	99.75000	0.0	0.0	0.0065740	*
				-3.00000	-39.00000	99.75000	0.0	0.0	0.0067382	*
				-2.00000	-39.00000	99.75000	0.0	0.0	0.0069038	*
				-1.00000	-39.00000	99.75000	0.0	0.0	0.0070696	*
				0.00000	-39.00000	99.75000	0.0	0.0	0.0072343	*
				1.00000	-39.00000	99.75000	0.0	0.0	0.0	
				2.00000	-39.00000	99.75000	0.0	0.0	0.0	
				3.00000	-39.00000	99.75000	0.0	0.0	0.0	
				4.00000	-39.00000	99.75000	0.0	0.0	0.0	
				5.00000	-39.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-38.00000	99.75000	0.0	0.0	0.0074882	*
				-39.00000	-38.00000	99.75000	0.0	0.0	0.0073103	*
				-38.00000	-38.00000	99.75000	0.0	0.0	0.0071268	*
				-37.00000	-38.00000	99.75000	0.0	0.0	0.0069388	*
				-36.00000	-38.00000	99.75000	0.0	0.0	0.0067475	*
				-35.00000	-38.00000	99.75000	0.0	0.0	0.0065543	*
				-34.00000	-38.00000	99.75000	0.0	0.0	0.0063605	*
				-33.00000	-38.00000	99.75000	0.0	0.0	0.0061676	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-32.00000	-38.00000	99.75000	0.0	0.0	0.0059772	*
				-31.00000	-38.00000	99.75000	0.0	0.0	0.0057907	*
				-30.00000	-38.00000	99.75000	0.0	0.0	0.0056099	*
				-29.00000	-38.00000	99.75000	0.0	0.0	0.0054364	*
				-28.00000	-38.00000	99.75000	0.0	0.0	0.0052719	*
				-27.00000	-38.00000	99.75000	0.0	0.0	0.0051178	*
				-26.00000	-38.00000	99.75000	0.0	0.0	0.0049757	*
				-25.00000	-38.00000	99.75000	0.0	0.0	0.0048471	*
				-24.00000	-38.00000	99.75000	0.0	0.0	0.0047333	*
				-23.00000	-38.00000	99.75000	0.0	0.0	0.0046355	*
				-22.00000	-38.00000	99.75000	0.0	0.0	0.0045548	*
				-21.00000	-38.00000	99.75000	0.0	0.0	0.0044920	*
				-20.00000	-38.00000	99.75000	0.0	0.0	0.0044479	*
				-19.00000	-38.00000	99.75000	0.0	0.0	0.0044228	*
				-18.00000	-38.00000	99.75000	0.0	0.0	0.0044172	*
				-17.00000	-38.00000	99.75000	0.0	0.0	0.0044311	*
				-16.00000	-38.00000	99.75000	0.0	0.0	0.0044643	*
				-15.00000	-38.00000	99.75000	0.0	0.0	0.0045164	*
				-14.00000	-38.00000	99.75000	0.0	0.0	0.0045869	*
				-13.00000	-38.00000	99.75000	0.0	0.0	0.0046750	*
				-12.00000	-38.00000	99.75000	0.0	0.0	0.0047797	*
				-11.00000	-38.00000	99.75000	0.0	0.0	0.0048999	*
				-10.00000	-38.00000	99.75000	0.0	0.0	0.0050344	*
				-9.00000	-38.00000	99.75000	0.0	0.0	0.0051817	*
				-8.00000	-38.00000	99.75000	0.0	0.0	0.0053405	*
				-7.00000	-38.00000	99.75000	0.0	0.0	0.0055090	*
				-6.00000	-38.00000	99.75000	0.0	0.0	0.0056858	*
				-5.00000	-38.00000	99.75000	0.0	0.0	0.0058692	*
				-4.00000	-38.00000	99.75000	0.0	0.0	0.0060575	*
				-3.00000	-38.00000	99.75000	0.0	0.0	0.0062492	*
				-2.00000	-38.00000	99.75000	0.0	0.0	0.0064427	*
				-1.00000	-38.00000	99.75000	0.0	0.0	0.0066364	*
				0.00000	-38.00000	99.75000	0.0	0.0	0.0068289	*
				1.00000	-38.00000	99.75000	0.0	0.0	0.0	
				2.00000	-38.00000	99.75000	0.0	0.0	0.0	
				3.00000	-38.00000	99.75000	0.0	0.0	0.0	
				4.00000	-38.00000	99.75000	0.0	0.0	0.0	
				5.00000	-38.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-37.00000	99.75000	0.0	0.0	0.0071362	*
				-39.00000	-37.00000	99.75000	0.0	0.0	0.0069287	*
				-38.00000	-37.00000	99.75000	0.0	0.0	0.0067149	*
				-37.00000	-37.00000	99.75000	0.0	0.0	0.0064960	*
				-36.00000	-37.00000	99.75000	0.0	0.0	0.0062734	*
				-35.00000	-37.00000	99.75000	0.0	0.0	0.0060486	*
				-34.00000	-37.00000	99.75000	0.0	0.0	0.0058231	*
				-33.00000	-37.00000	99.75000	0.0	0.0	0.0055986	*
				-32.00000	-37.00000	99.75000	0.0	0.0	0.0053770	*
				-31.00000	-37.00000	99.75000	0.0	0.0	0.0051600	*
				-30.00000	-37.00000	99.75000	0.0	0.0	0.0049496	*
				-29.00000	-37.00000	99.75000	0.0	0.0	0.0047476	*
				-28.00000	-37.00000	99.75000	0.0	0.0	0.0045559	*
				-27.00000	-37.00000	99.75000	0.0	0.0	0.0043763	*
				-26.00000	-37.00000	99.75000	0.0	0.0	0.0042108	*
				-25.00000	-37.00000	99.75000	0.0	0.0	0.0040609	*
				-24.00000	-37.00000	99.75000	0.0	0.0	0.0039282	*
				-23.00000	-37.00000	99.75000	0.0	0.0	0.0038141	*
				-22.00000	-37.00000	99.75000	0.0	0.0	0.0037200	*
				-21.00000	-37.00000	99.75000	0.0	0.0	0.0036467	*
				-20.00000	-37.00000	99.75000	0.0	0.0	0.0035952	*
				-19.00000	-37.00000	99.75000	0.0	0.0	0.0035660	*
				-18.00000	-37.00000	99.75000	0.0	0.0	0.0035595	*
				-17.00000	-37.00000	99.75000	0.0	0.0	0.0035757	*
				-16.00000	-37.00000	99.75000	0.0	0.0	0.0036144	*
				-15.00000	-37.00000	99.75000	0.0	0.0	0.0036752	*
				-14.00000	-37.00000	99.75000	0.0	0.0	0.0037574	*
				-13.00000	-37.00000	99.75000	0.0	0.0	0.0038601	*
				-12.00000	-37.00000	99.75000	0.0	0.0	0.0039822	*
				-11.00000	-37.00000	99.75000	0.0	0.0	0.0041224	*
				-10.00000	-37.00000	99.75000	0.0	0.0	0.0042792	*
				-9.00000	-37.00000	99.75000	0.0	0.0	0.0044508	*
				-8.00000	-37.00000	99.75000	0.0	0.0	0.0046358	*
				-7.00000	-37.00000	99.75000	0.0	0.0	0.0048321	*
				-6.00000	-37.00000	99.75000	0.0	0.0	0.0050379	*
				-5.00000	-37.00000	99.75000	0.0	0.0	0.0052513	*
				-4.00000	-37.00000	99.75000	0.0	0.0	0.0054705	*
				-3.00000	-37.00000	99.75000	0.0	0.0	0.0056935	*
				-2.00000	-37.00000	99.75000	0.0	0.0	0.0059186	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
		-1.00000	-37.00000	99.75000	0.0	0.0	0.0061441	*		
		0.00000	-37.00000	99.75000	0.0	0.0	0.0063681	*		
		1.00000	-37.00000	99.75000	0.0	0.0	0.0			
		2.00000	-37.00000	99.75000	0.0	0.0	0.0			
		3.00000	-37.00000	99.75000	0.0	0.0	0.0			
		4.00000	-37.00000	99.75000	0.0	0.0	0.0			
		5.00000	-37.00000	99.75000	0.0	0.0	0.0			
		-40.00000	-36.00000	99.75000	0.0	0.0	0.0067374	*		
		-39.00000	-36.00000	99.75000	0.0	0.0	0.0064967	*		
		-38.00000	-36.00000	99.75000	0.0	0.0	0.0062488	*		
		-37.00000	-36.00000	99.75000	0.0	0.0	0.0059951	*		
		-36.00000	-36.00000	99.75000	0.0	0.0	0.0057370	*		
		-35.00000	-36.00000	99.75000	0.0	0.0	0.0054763	*		
		-34.00000	-36.00000	99.75000	0.0	0.0	0.0052149	*		
		-33.00000	-36.00000	99.75000	0.0	0.0	0.0049545	*		
		-32.00000	-36.00000	99.75000	0.0	0.0	0.0046974	*		
		-31.00000	-36.00000	99.75000	0.0	0.0	0.0044455	*		
		-30.00000	-36.00000	99.75000	0.0	0.0	0.0042012	*		
		-29.00000	-36.00000	99.75000	0.0	0.0	0.0039665	*		
		-28.00000	-36.00000	99.75000	0.0	0.0	0.0037437	*		
		-27.00000	-36.00000	99.75000	0.0	0.0	0.0035350	*		
		-26.00000	-36.00000	99.75000	0.0	0.0	0.0033424	*		
		-25.00000	-36.00000	99.75000	0.0	0.0	0.0031680	*		
		-24.00000	-36.00000	99.75000	0.0	0.0	0.0030136	*		
		-23.00000	-36.00000	99.75000	0.0	0.0	0.0028808	*		
		-22.00000	-36.00000	99.75000	0.0	0.0	0.0027712	*		
		-21.00000	-36.00000	99.75000	0.0	0.0	0.0026859	*		
		-20.00000	-36.00000	99.75000	0.0	0.0	0.0026259	*		
		-19.00000	-36.00000	99.75000	0.0	0.0	0.0025919	*		
		-18.00000	-36.00000	99.75000	0.0	0.0	0.0025842	*		
		-17.00000	-36.00000	99.75000	0.0	0.0	0.0026031	*		
		-16.00000	-36.00000	99.75000	0.0	0.0	0.0026482	*		
		-15.00000	-36.00000	99.75000	0.0	0.0	0.0027190	*		
		-14.00000	-36.00000	99.75000	0.0	0.0	0.0028148	*		
		-13.00000	-36.00000	99.75000	0.0	0.0	0.0029344	*		
		-12.00000	-36.00000	99.75000	0.0	0.0	0.0030765	*		
		-11.00000	-36.00000	99.75000	0.0	0.0	0.0032397	*		
		-10.00000	-36.00000	99.75000	0.0	0.0	0.0034220	*		
		-9.00000	-36.00000	99.75000	0.0	0.0	0.0036216	*		
		-8.00000	-36.00000	99.75000	0.0	0.0	0.0038366	*		
		-7.00000	-36.00000	99.75000	0.0	0.0	0.0040647	*		
		-6.00000	-36.00000	99.75000	0.0	0.0	0.0043037	*		
		-5.00000	-36.00000	99.75000	0.0	0.0	0.0045515	*		
		-4.00000	-36.00000	99.75000	0.0	0.0	0.0048058	*		
		-3.00000	-36.00000	99.75000	0.0	0.0	0.0050646	*		
		-2.00000	-36.00000	99.75000	0.0	0.0	0.0053256	*		
		-1.00000	-36.00000	99.75000	0.0	0.0	0.0055870	*		
		0.00000	-36.00000	99.75000	0.0	0.0	0.0058468	*		
		1.00000	-36.00000	99.75000	0.0	0.0	0.0			
		2.00000	-36.00000	99.75000	0.0	0.0	0.0			
		3.00000	-36.00000	99.75000	0.0	0.0	0.0			
		4.00000	-36.00000	99.75000	0.0	0.0	0.0			
		5.00000	-36.00000	99.75000	0.0	0.0	0.0			
		-40.00000	-35.00000	99.75000	0.0	0.0	0.0062881	*		
		-39.00000	-35.00000	99.75000	0.0	0.0	0.0060101	*		
		-38.00000	-35.00000	99.75000	0.0	0.0	0.0057238	*		
		-37.00000	-35.00000	99.75000	0.0	0.0	0.0054306	*		
		-36.00000	-35.00000	99.75000	0.0	0.0	0.0051325	*		
		-35.00000	-35.00000	99.75000	0.0	0.0	0.0048312	*		
		-34.00000	-35.00000	99.75000	0.0	0.0	0.0045289	*		
		-33.00000	-35.00000	99.75000	0.0	0.0	0.0042277	*		
		-32.00000	-35.00000	99.75000	0.0	0.0	0.0039301	*		
		-31.00000	-35.00000	99.75000	0.0	0.0	0.0036385	*		
		-30.00000	-35.00000	99.75000	0.0	0.0	0.0033553	*		
		-29.00000	-35.00000	99.75000	0.0	0.0	0.0030832	*		
		-28.00000	-35.00000	99.75000	0.0	0.0	0.0028248	*		
		-27.00000	-35.00000	99.75000	0.0	0.0	0.0025826	*		
		-26.00000	-35.00000	99.75000	0.0	0.0	0.0023589	*		
		-25.00000	-35.00000	99.75000	0.0	0.0	0.0021563	*		
		-24.00000	-35.00000	99.75000	0.0	0.0	0.0019768	*		
		-23.00000	-35.00000	99.75000	0.0	0.0	0.0018224	*		
		-22.00000	-35.00000	99.75000	0.0	0.0	0.0016948	*		
		-21.00000	-35.00000	99.75000	0.0	0.0	0.0015956	*		
		-20.00000	-35.00000	99.75000	0.0	0.0	0.0015258	*		
		-19.00000	-35.00000	99.75000	0.0	0.0	0.0014862	*		
		-18.00000	-35.00000	99.75000	0.0	0.0	0.0014773	*		
		-17.00000	-35.00000	99.75000	0.0	0.0	0.0014992	*		



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-16.00000	-35.00000	99.75000	0.0	0.0	0.0015517	*
				-15.00000	-35.00000	99.75000	0.0	0.0	0.0016342	*
				-14.00000	-35.00000	99.75000	0.0	0.0	0.0017456	*
				-13.00000	-35.00000	99.75000	0.0	0.0	0.0018847	*
				-12.00000	-35.00000	99.75000	0.0	0.0	0.0020499	*
				-11.00000	-35.00000	99.75000	0.0	0.0	0.0022395	*
				-10.00000	-35.00000	99.75000	0.0	0.0	0.0024513	*
				-9.00000	-35.00000	99.75000	0.0	0.0	0.0026831	*
				-8.00000	-35.00000	99.75000	0.0	0.0	0.0029325	*
				-7.00000	-35.00000	99.75000	0.0	0.0	0.0031970	*
				-6.00000	-35.00000	99.75000	0.0	0.0	0.0034741	*
				-5.00000	-35.00000	99.75000	0.0	0.0	0.0037612	*
				-4.00000	-35.00000	99.75000	0.0	0.0	0.0040556	*
				-3.00000	-35.00000	99.75000	0.0	0.0	0.0043550	*
				-2.00000	-35.00000	99.75000	0.0	0.0	0.0046570	*
				-1.00000	-35.00000	99.75000	0.0	0.0	0.0049591	*
				0.00000	-35.00000	99.75000	0.0	0.0	0.0052593	*
				1.00000	-35.00000	99.75000	0.0	0.0	0.0	
				2.00000	-35.00000	99.75000	0.0	0.0	0.0	
				3.00000	-35.00000	99.75000	0.0	0.0	0.0	
				4.00000	-35.00000	99.75000	0.0	0.0	0.0	
				5.00000	-35.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-34.00000	99.75000	0.0	0.0	0.0057842	*
				-39.00000	-34.00000	99.75000	0.0	0.0	0.0054643	*
				-38.00000	-34.00000	99.75000	0.0	0.0	0.0051347	*
				-37.00000	-34.00000	99.75000	0.0	0.0	0.0047972	*
				-36.00000	-34.00000	99.75000	0.0	0.0	0.0044537	*
				-35.00000	-34.00000	99.75000	0.0	0.0	0.0041064	*
				-34.00000	-34.00000	99.75000	0.0	0.0	0.0037576	*
				-33.00000	-34.00000	99.75000	0.0	0.0	0.0034100	*
				-32.00000	-34.00000	99.75000	0.0	0.0	0.0030662	*
				-31.00000	-34.00000	99.75000	0.0	0.0	0.0027291	*
				-30.00000	-34.00000	99.75000	0.0	0.0	0.0024015	*
				-29.00000	-34.00000	99.75000	0.0	0.0	0.0020865	*
				-28.00000	-34.00000	99.75000	0.0	0.0	0.0017871	*
				-27.00000	-34.00000	99.75000	0.0	0.0	0.0015063	*
				-26.00000	-34.00000	99.75000	0.0	0.0	0.0012469	*
				-25.00000	-34.00000	99.75000	0.0	0.0	0.0010117	*
				-24.00000	-34.00000	99.75000	0.0	0.0	803.23E-6	*
				-23.00000	-34.00000	99.75000	0.0	0.0	623.85E-6	*
				-22.00000	-34.00000	99.75000	0.0	0.0	475.60E-6	*
				-21.00000	-34.00000	99.75000	0.0	0.0	360.20E-6	*
				-20.00000	-34.00000	99.75000	0.0	0.0	279.00E-6	*
				-19.00000	-34.00000	99.75000	0.0	0.0	232.96E-6	*
				-18.00000	-34.00000	99.75000	0.0	0.0	222.64E-6	*
				-17.00000	-34.00000	99.75000	0.0	0.0	248.15E-6	*
				-16.00000	-34.00000	99.75000	0.0	0.0	309.19E-6	*
				-15.00000	-34.00000	99.75000	0.0	0.0	405.04E-6	*
				-14.00000	-34.00000	99.75000	0.0	0.0	534.56E-6	*
				-13.00000	-34.00000	99.75000	0.0	0.0	696.23E-6	*
				-12.00000	-34.00000	99.75000	0.0	0.0	888.20E-6	*
				-11.00000	-34.00000	99.75000	0.0	0.0	0.0011083	*
				-10.00000	-34.00000	99.75000	0.0	0.0	0.0013541	*
				-9.00000	-34.00000	99.75000	0.0	0.0	0.0016229	*
				-8.00000	-34.00000	99.75000	0.0	0.0	0.0019120	*
				-7.00000	-34.00000	99.75000	0.0	0.0	0.0022183	*
				-6.00000	-34.00000	99.75000	0.0	0.0	0.0025390	*
				-5.00000	-34.00000	99.75000	0.0	0.0	0.0028709	*
				-4.00000	-34.00000	99.75000	0.0	0.0	0.0032112	*
				-3.00000	-34.00000	99.75000	0.0	0.0	0.0035570	*
				-2.00000	-34.00000	99.75000	0.0	0.0	0.0039054	*
				-1.00000	-34.00000	99.75000	0.0	0.0	0.0042538	*
				0.00000	-34.00000	99.75000	0.0	0.0	0.0045997	*
				1.00000	-34.00000	99.75000	0.0	0.0	0.0	
				2.00000	-34.00000	99.75000	0.0	0.0	0.0	
				3.00000	-34.00000	99.75000	0.0	0.0	0.0	
				4.00000	-34.00000	99.75000	0.0	0.0	0.0	
				5.00000	-34.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-33.00000	99.75000	0.0	0.0	0.0052215	*
				-39.00000	-33.00000	99.75000	0.0	0.0	0.0048545	*
				-38.00000	-33.00000	99.75000	0.0	0.0	0.0044762	*
				-37.00000	-33.00000	99.75000	0.0	0.0	0.0040886	*
				-36.00000	-33.00000	99.75000	0.0	0.0	0.0036938	*
				-35.00000	-33.00000	99.75000	0.0	0.0	0.0032943	*
				-34.00000	-33.00000	99.75000	0.0	0.0	0.0028928	*
				-33.00000	-33.00000	99.75000	0.0	0.0	0.0024923	*
				-32.00000	-33.00000	99.75000	0.0	0.0	0.0020957	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-31.00000	-33.00000	99.75000	0.0	0.0	0.0017066	*
				-30.00000	-33.00000	99.75000	0.0	0.0	0.0013281	*
				-29.00000	-33.00000	99.75000	0.0	0.0	963.87E-6	*
				-28.00000	-33.00000	99.75000	0.0	0.0	617.35E-6	*
				-27.00000	-33.00000	99.75000	0.0	0.0	292.04E-6	*
				-26.00000	-33.00000	99.75000	0.0	0.0	-8.6589E-6	*
				-25.00000	-33.00000	99.75000	0.0	0.0	-281.51E-6	*
				-24.00000	-33.00000	99.75000	0.0	0.0	-523.47E-6	*
				-23.00000	-33.00000	99.75000	0.0	0.0	-731.79E-6	*
				-22.00000	-33.00000	99.75000	0.0	0.0	-904.03E-6	*
				-21.00000	-33.00000	99.75000	0.0	0.0	-0.0010382	*
				-20.00000	-33.00000	99.75000	0.0	0.0	-0.0011326	*
				-19.00000	-33.00000	99.75000	0.0	0.0	-0.0011861	*
				-18.00000	-33.00000	99.75000	0.0	0.0	-0.0011981	*
				-17.00000	-33.00000	99.75000	0.0	0.0	-0.0011684	*
				-16.00000	-33.00000	99.75000	0.0	0.0	-0.0010975	*
				-15.00000	-33.00000	99.75000	0.0	0.0	-986.04E-6	*
				-14.00000	-33.00000	99.75000	0.0	0.0	-835.52E-6	*
				-13.00000	-33.00000	99.75000	0.0	0.0	-647.71E-6	*
				-12.00000	-33.00000	99.75000	0.0	0.0	-424.82E-6	*
				-11.00000	-33.00000	99.75000	0.0	0.0	-169.42E-6	*
				-10.00000	-33.00000	99.75000	0.0	0.0	115.61E-6	*
				-9.00000	-33.00000	99.75000	0.0	0.0	427.14E-6	*
				-8.00000	-33.00000	99.75000	0.0	0.0	761.84E-6	*
				-7.00000	-33.00000	99.75000	0.0	0.0	0.0011163	*
				-6.00000	-33.00000	99.75000	0.0	0.0	0.0014869	*
				-5.00000	-33.00000	99.75000	0.0	0.0	0.0018703	*
				-4.00000	-33.00000	99.75000	0.0	0.0	0.0022630	*
				-3.00000	-33.00000	99.75000	0.0	0.0	0.0026616	*
				-2.00000	-33.00000	99.75000	0.0	0.0	0.0030629	*
				-1.00000	-33.00000	99.75000	0.0	0.0	0.0034638	*
				0.00000	-33.00000	99.75000	0.0	0.0	0.0038616	*
				1.00000	-33.00000	99.75000	0.0	0.0	0.0	
				2.00000	-33.00000	99.75000	0.0	0.0	0.0	
				3.00000	-33.00000	99.75000	0.0	0.0	0.0	
				4.00000	-33.00000	99.75000	0.0	0.0	0.0	
				5.00000	-33.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-32.00000	99.75000	0.0	0.0	0.0045955	*
				-39.00000	-32.00000	99.75000	0.0	0.0	0.0041756	*
				-38.00000	-32.00000	99.75000	0.0	0.0	0.0037425	*
				-37.00000	-32.00000	99.75000	0.0	0.0	0.0032983	*
				-36.00000	-32.00000	99.75000	0.0	0.0	0.0028454	*
				-35.00000	-32.00000	99.75000	0.0	0.0	0.0023868	*
				-34.00000	-32.00000	99.75000	0.0	0.0	0.0019253	*
				-33.00000	-32.00000	99.75000	0.0	0.0	0.0014644	*
				-32.00000	-32.00000	99.75000	0.0	0.0	0.0010077	*
				-31.00000	-32.00000	99.75000	0.0	0.0	558.94E-6	*
				-30.00000	-32.00000	99.75000	0.0	0.0	122.07E-6	*
				-29.00000	-32.00000	99.75000	0.0	0.0	-298.83E-6	*
				-28.00000	-32.00000	99.75000	0.0	0.0	-699.65E-6	*
				-27.00000	-32.00000	99.75000	0.0	0.0	-0.0010763	*
				-26.00000	-32.00000	99.75000	0.0	0.0	-0.0014247	*
				-25.00000	-32.00000	99.75000	0.0	0.0	-0.0017412	*
				-24.00000	-32.00000	99.75000	0.0	0.0	-0.0020220	*
				-23.00000	-32.00000	99.75000	0.0	0.0	-0.0022639	*
				-22.00000	-32.00000	99.75000	0.0	0.0	-0.0024640	*
				-21.00000	-32.00000	99.75000	0.0	0.0	-0.0026199	*
				-20.00000	-32.00000	99.75000	0.0	0.0	-0.0027296	*
				-19.00000	-32.00000	99.75000	0.0	0.0	-0.0027919	*
				-18.00000	-32.00000	99.75000	0.0	0.0	-0.0028059	*
				-17.00000	-32.00000	99.75000	0.0	0.0	-0.0027714	*
				-16.00000	-32.00000	99.75000	0.0	0.0	-0.0026888	*
				-15.00000	-32.00000	99.75000	0.0	0.0	-0.0025593	*
				-14.00000	-32.00000	99.75000	0.0	0.0	-0.0023844	*
				-13.00000	-32.00000	99.75000	0.0	0.0	-0.0021662	*
				-12.00000	-32.00000	99.75000	0.0	0.0	-0.0019074	*
				-11.00000	-32.00000	99.75000	0.0	0.0	-0.0016111	*
				-10.00000	-32.00000	99.75000	0.0	0.0	-0.0012807	*
				-9.00000	-32.00000	99.75000	0.0	0.0	-919.83E-6	*
				-8.00000	-32.00000	99.75000	0.0	0.0	-532.48E-6	*
				-7.00000	-32.00000	99.75000	0.0	0.0	-122.67E-6	*
				-6.00000	-32.00000	99.75000	0.0	0.0	305.47E-6	*
				-5.00000	-32.00000	99.75000	0.0	0.0	747.85E-6	*
				-4.00000	-32.00000	99.75000	0.0	0.0	0.0012004	*
				-3.00000	-32.00000	99.75000	0.0	0.0	0.0016593	*
				-2.00000	-32.00000	99.75000	0.0	0.0	0.0021209	*
				-1.00000	-32.00000	99.75000	0.0	0.0	0.0025815	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				0.00000	-32.00000	99.75000	0.0	0.0	0.0030380	*
				1.00000	-32.00000	99.75000	0.0	0.0	0.0	
				2.00000	-32.00000	99.75000	0.0	0.0	0.0	
				3.00000	-32.00000	99.75000	0.0	0.0	0.0	
				4.00000	-32.00000	99.75000	0.0	0.0	0.0	
				5.00000	-32.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-31.00000	99.75000	0.0	0.0	0.0039014	*
				-39.00000	-31.00000	99.75000	0.0	0.0	0.0034222	*
				-38.00000	-31.00000	99.75000	0.0	0.0	0.0029274	*
				-37.00000	-31.00000	99.75000	0.0	0.0	0.0024193	*
				-36.00000	-31.00000	99.75000	0.0	0.0	0.0019008	*
				-35.00000	-31.00000	99.75000	0.0	0.0	0.0013749	*
				-34.00000	-31.00000	99.75000	0.0	0.0	845.25E-6	*
				-33.00000	-31.00000	99.75000	0.0	0.0	315.54E-6	*
				-32.00000	-31.00000	99.75000	0.0	0.0	-210.07E-6	*
				-31.00000	-31.00000	99.75000	0.0	0.0	-727.17E-6	*
				-30.00000	-31.00000	99.75000	0.0	0.0	-0.0012312	*
				-29.00000	-31.00000	99.75000	0.0	0.0	-0.0017173	*
				-28.00000	-31.00000	99.75000	0.0	0.0	-0.0021808	*
				-27.00000	-31.00000	99.75000	0.0	0.0	-0.0026168	*
				-26.00000	-31.00000	99.75000	0.0	0.0	-0.0030206	*
				-25.00000	-31.00000	99.75000	0.0	0.0	-0.0033876	*
				-24.00000	-31.00000	99.75000	0.0	0.0	-0.0037135	*
				-23.00000	-31.00000	99.75000	0.0	0.0	-0.0039945	*
				-22.00000	-31.00000	99.75000	0.0	0.0	-0.0042270	*
				-21.00000	-31.00000	99.75000	0.0	0.0	-0.0044083	*
				-20.00000	-31.00000	99.75000	0.0	0.0	-0.0045360	*
				-19.00000	-31.00000	99.75000	0.0	0.0	-0.0046084	*
				-18.00000	-31.00000	99.75000	0.0	0.0	-0.0046246	*
				-17.00000	-31.00000	99.75000	0.0	0.0	-0.0045845	*
				-16.00000	-31.00000	99.75000	0.0	0.0	-0.0044885	*
				-15.00000	-31.00000	99.75000	0.0	0.0	-0.0043378	*
				-14.00000	-31.00000	99.75000	0.0	0.0	-0.0041345	*
				-13.00000	-31.00000	99.75000	0.0	0.0	-0.0038810	*
				-12.00000	-31.00000	99.75000	0.0	0.0	-0.0035805	*
				-11.00000	-31.00000	99.75000	0.0	0.0	-0.0032367	*
				-10.00000	-31.00000	99.75000	0.0	0.0	-0.0028536	*
				-9.00000	-31.00000	99.75000	0.0	0.0	-0.0024356	*
				-8.00000	-31.00000	99.75000	0.0	0.0	-0.0019874	*
				-7.00000	-31.00000	99.75000	0.0	0.0	-0.0015138	*
				-6.00000	-31.00000	99.75000	0.0	0.0	-0.0010195	*
				-5.00000	-31.00000	99.75000	0.0	0.0	-509.42E-6	*
				-4.00000	-31.00000	99.75000	0.0	0.0	11.793E-6	*
				-3.00000	-31.00000	99.75000	0.0	0.0	539.62E-6	*
				-2.00000	-31.00000	99.75000	0.0	0.0	0.0010698	*
				-1.00000	-31.00000	99.75000	0.0	0.0	0.0015982	*
				0.00000	-31.00000	99.75000	0.0	0.0	0.0021214	*
				1.00000	-31.00000	99.75000	0.0	0.0	0.0	
				2.00000	-31.00000	99.75000	0.0	0.0	0.0	
				3.00000	-31.00000	99.75000	0.0	0.0	0.0	
				4.00000	-31.00000	99.75000	0.0	0.0	0.0	
				5.00000	-31.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-30.00000	99.75000	0.0	0.0	0.0031342	*
				-39.00000	-30.00000	99.75000	0.0	0.0	0.0025885	*
				-38.00000	-30.00000	99.75000	0.0	0.0	0.0020242	*
				-37.00000	-30.00000	99.75000	0.0	0.0	0.0014441	*
				-36.00000	-30.00000	99.75000	0.0	0.0	851.23E-6	*
				-35.00000	-30.00000	99.75000	0.0	0.0	249.11E-6	*
				-34.00000	-30.00000	99.75000	0.0	0.0	-358.29E-6	*
				-33.00000	-30.00000	99.75000	0.0	0.0	-966.61E-6	*
				-32.00000	-30.00000	99.75000	0.0	0.0	-0.0015711	*
				-31.00000	-30.00000	99.75000	0.0	0.0	-0.0021666	*
				-30.00000	-30.00000	99.75000	0.0	0.0	-0.0027479	*
				-29.00000	-30.00000	99.75000	0.0	0.0	-0.0033094	*
				-28.00000	-30.00000	99.75000	0.0	0.0	-0.0038454	*
				-27.00000	-30.00000	99.75000	0.0	0.0	-0.0043501	*
				-26.00000	-30.00000	99.75000	0.0	0.0	-0.0048181	*
				-25.00000	-30.00000	99.75000	0.0	0.0	-0.0052439	*
				-24.00000	-30.00000	99.75000	0.0	0.0	-0.0056224	*
				-23.00000	-30.00000	99.75000	0.0	0.0	-0.0059489	*
				-22.00000	-30.00000	99.75000	0.0	0.0	-0.0062194	*
				-21.00000	-30.00000	99.75000	0.0	0.0	-0.0064303	*
				-20.00000	-30.00000	99.75000	0.0	0.0	-0.0065789	*
				-19.00000	-30.00000	99.75000	0.0	0.0	-0.0066632	*
				-18.00000	-30.00000	99.75000	0.0	0.0	-0.0066821	*
				-17.00000	-30.00000	99.75000	0.0	0.0	-0.0066354	*
				-16.00000	-30.00000	99.75000	0.0	0.0	-0.0065236	*



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-15.00000	-30.00000	99.75000	0.0	0.0	-0.0063483	*
				-14.00000	-30.00000	99.75000	0.0	0.0	-0.0061117	*
				-13.00000	-30.00000	99.75000	0.0	0.0	-0.0058170	*
				-12.00000	-30.00000	99.75000	0.0	0.0	-0.0054679	*
				-11.00000	-30.00000	99.75000	0.0	0.0	-0.0050688	*
				-10.00000	-30.00000	99.75000	0.0	0.0	-0.0046245	*
				-9.00000	-30.00000	99.75000	0.0	0.0	-0.0041403	*
				-8.00000	-30.00000	99.75000	0.0	0.0	-0.0036216	*
				-7.00000	-30.00000	99.75000	0.0	0.0	-0.0030742	*
				-6.00000	-30.00000	99.75000	0.0	0.0	-0.0025037	*
				-5.00000	-30.00000	99.75000	0.0	0.0	-0.0019158	*
				-4.00000	-30.00000	99.75000	0.0	0.0	-0.0013158	*
				-3.00000	-30.00000	99.75000	0.0	0.0	-709.18E-6	*
				-2.00000	-30.00000	99.75000	0.0	0.0	-100.75E-6	*
				-1.00000	-30.00000	99.75000	0.0	0.0	504.88E-6	*
				0.00000	-30.00000	99.75000	0.0	0.0	0.0011035	*
				1.00000	-30.00000	99.75000	0.0	0.0	0.0	
				2.00000	-30.00000	99.75000	0.0	0.0	0.0	
				3.00000	-30.00000	99.75000	0.0	0.0	0.0	
				4.00000	-30.00000	99.75000	0.0	0.0	0.0	
				5.00000	-30.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-29.00000	99.75000	0.0	0.0	0.0022888	*
				-39.00000	-29.00000	99.75000	0.0	0.0	0.0016684	*
				-38.00000	-29.00000	99.75000	0.0	0.0	0.0010261	*
				-37.00000	-29.00000	99.75000	0.0	0.0	364.61E-6	*
				-36.00000	-29.00000	99.75000	0.0	0.0	-312.49E-6	*
				-35.00000	-29.00000	99.75000	0.0	0.0	-0.0010013	*
				-34.00000	-29.00000	99.75000	0.0	0.0	-0.0016972	*
				-33.00000	-29.00000	99.75000	0.0	0.0	-0.0023954	*
				-32.00000	-29.00000	99.75000	0.0	0.0	-0.0030903	*
				-31.00000	-29.00000	99.75000	0.0	0.0	-0.0037761	*
				-30.00000	-29.00000	99.75000	0.0	0.0	-0.0044465	*
				-29.00000	-29.00000	99.75000	0.0	0.0	-0.0050950	*
				-28.00000	-29.00000	99.75000	0.0	0.0	-0.0057149	*
				-27.00000	-29.00000	99.75000	0.0	0.0	-0.0062996	*
				-26.00000	-29.00000	99.75000	0.0	0.0	-0.0068423	*
				-25.00000	-29.00000	99.75000	0.0	0.0	-0.0073366	*
				-24.00000	-29.00000	99.75000	0.0	0.0	-0.0077765	*
				-23.00000	-29.00000	99.75000	0.0	0.0	-0.0081563	*
				-22.00000	-29.00000	99.75000	0.0	0.0	-0.0084711	*
				-21.00000	-29.00000	99.75000	0.0	0.0	-0.0087168	*
				-20.00000	-29.00000	99.75000	0.0	0.0	-0.0088899	*
				-19.00000	-29.00000	99.75000	0.0	0.0	-0.0089882	*
				-18.00000	-29.00000	99.75000	0.0	0.0	-0.0090103	*
				-17.00000	-29.00000	99.75000	0.0	0.0	-0.0089558	*
				-16.00000	-29.00000	99.75000	0.0	0.0	-0.0088255	*
				-15.00000	-29.00000	99.75000	0.0	0.0	-0.0086212	*
				-14.00000	-29.00000	99.75000	0.0	0.0	-0.0083457	*
				-13.00000	-29.00000	99.75000	0.0	0.0	-0.0080028	*
				-12.00000	-29.00000	99.75000	0.0	0.0	-0.0075969	*
				-11.00000	-29.00000	99.75000	0.0	0.0	-0.0071332	*
				-10.00000	-29.00000	99.75000	0.0	0.0	-0.0066177	*
				-9.00000	-29.00000	99.75000	0.0	0.0	-0.0060564	*
				-8.00000	-29.00000	99.75000	0.0	0.0	-0.0054560	*
				-7.00000	-29.00000	99.75000	0.0	0.0	-0.0048232	*
				-6.00000	-29.00000	99.75000	0.0	0.0	-0.0041647	*
				-5.00000	-29.00000	99.75000	0.0	0.0	-0.0034871	*
				-4.00000	-29.00000	99.75000	0.0	0.0	-0.0027967	*
				-3.00000	-29.00000	99.75000	0.0	0.0	-0.0020998	*
				-2.00000	-29.00000	99.75000	0.0	0.0	-0.0014020	*
				-1.00000	-29.00000	99.75000	0.0	0.0	-708.56E-6	*
				0.00000	-29.00000	99.75000	0.0	0.0	-24.269E-6	*
				1.00000	-29.00000	99.75000	0.0	0.0	0.0	
				2.00000	-29.00000	99.75000	0.0	0.0	0.0	
				3.00000	-29.00000	99.75000	0.0	0.0	0.0	
				4.00000	-29.00000	99.75000	0.0	0.0	0.0	
				5.00000	-29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-28.00000	99.75000	0.0	0.0	0.0013599	*
				-39.00000	-28.00000	99.75000	0.0	0.0	655.77E-6	*
				-38.00000	-28.00000	99.75000	0.0	0.0	-74.514E-6	*
				-37.00000	-28.00000	99.75000	0.0	0.0	-827.81E-6	*
				-36.00000	-28.00000	99.75000	0.0	0.0	-0.0016003	*
				-35.00000	-28.00000	99.75000	0.0	0.0	-0.0023876	*
				-34.00000	-28.00000	99.75000	0.0	0.0	-0.0031846	*
				-33.00000	-28.00000	99.75000	0.0	0.0	-0.0039856	*
				-32.00000	-28.00000	99.75000	0.0	0.0	-0.0047844	*
				-31.00000	-28.00000	99.75000	0.0	0.0	-0.0055740	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-30.00000	-28.00000	99.75000	0.0	0.0	-0.0063473	*
				-29.00000	-28.00000	99.75000	0.0	0.0	-0.0070967	*
				-28.00000	-28.00000	99.75000	0.0	0.0	-0.0078141	*
				-27.00000	-28.00000	99.75000	0.0	0.0	-0.0084918	*
				-26.00000	-28.00000	99.75000	0.0	0.0	-0.0091217	*
				-25.00000	-28.00000	99.75000	0.0	0.0	-0.0096961	*
				-24.00000	-28.00000	99.75000	0.0	0.0	-0.010208	*
				-23.00000	-28.00000	99.75000	0.0	0.0	-0.010650	*
				-22.00000	-28.00000	99.75000	0.0	0.0	-0.011017	*
				-21.00000	-28.00000	99.75000	0.0	0.0	-0.011304	*
				-20.00000	-28.00000	99.75000	0.0	0.0	-0.011506	*
				-19.00000	-28.00000	99.75000	0.0	0.0	-0.011620	*
				-18.00000	-28.00000	99.75000	0.0	0.0	-0.011646	*
				-17.00000	-28.00000	99.75000	0.0	0.0	-0.011582	*
				-16.00000	-28.00000	99.75000	0.0	0.0	-0.011430	*
				-15.00000	-28.00000	99.75000	0.0	0.0	-0.011192	*
				-14.00000	-28.00000	99.75000	0.0	0.0	-0.010871	*
				-13.00000	-28.00000	99.75000	0.0	0.0	-0.010471	*
				-12.00000	-28.00000	99.75000	0.0	0.0	-0.0099989	*
				-11.00000	-28.00000	99.75000	0.0	0.0	-0.0094597	*
				-10.00000	-28.00000	99.75000	0.0	0.0	-0.0088608	*
				-9.00000	-28.00000	99.75000	0.0	0.0	-0.0082098	*
				-8.00000	-28.00000	99.75000	0.0	0.0	-0.0075144	*
				-7.00000	-28.00000	99.75000	0.0	0.0	-0.0067825	*
				-6.00000	-28.00000	99.75000	0.0	0.0	-0.0060221	*
				-5.00000	-28.00000	99.75000	0.0	0.0	-0.0052410	*
				-4.00000	-28.00000	99.75000	0.0	0.0	-0.0044467	*
				-3.00000	-28.00000	99.75000	0.0	0.0	-0.0036463	*
				-2.00000	-28.00000	99.75000	0.0	0.0	-0.0028464	*
				-1.00000	-28.00000	99.75000	0.0	0.0	-0.0020529	*
				0.00000	-28.00000	99.75000	0.0	0.0	-0.0012713	*
				1.00000	-28.00000	99.75000	0.0	0.0	0.0	
				2.00000	-28.00000	99.75000	0.0	0.0	0.0	
				3.00000	-28.00000	99.75000	0.0	0.0	0.0	
				4.00000	-28.00000	99.75000	0.0	0.0	0.0	
				5.00000	-28.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-27.00000	99.75000	0.0	0.0	341.77E-6	*
				-39.00000	-27.00000	99.75000	0.0	0.0	-456.13E-6	*
				-38.00000	-27.00000	99.75000	0.0	0.0	-0.0012853	*
				-37.00000	-27.00000	99.75000	0.0	0.0	-0.0021423	*
				-36.00000	-27.00000	99.75000	0.0	0.0	-0.0030230	*
				-35.00000	-27.00000	99.75000	0.0	0.0	-0.0039223	*
				-34.00000	-27.00000	99.75000	0.0	0.0	-0.0048347	*
				-33.00000	-27.00000	99.75000	0.0	0.0	-0.0057535	*
				-32.00000	-27.00000	99.75000	0.0	0.0	-0.0066716	*
				-31.00000	-27.00000	99.75000	0.0	0.0	-0.0075812	*
				-30.00000	-27.00000	99.75000	0.0	0.0	-0.0084736	*
				-29.00000	-27.00000	99.75000	0.0	0.0	-0.0093400	*
				-28.00000	-27.00000	99.75000	0.0	0.0	-0.010171	*
				-27.00000	-27.00000	99.75000	0.0	0.0	-0.010957	*
				-26.00000	-27.00000	99.75000	0.0	0.0	-0.011689	*
				-25.00000	-27.00000	99.75000	0.0	0.0	-0.012358	*
				-24.00000	-27.00000	99.75000	0.0	0.0	-0.012954	*
				-23.00000	-27.00000	99.75000	0.0	0.0	-0.013470	*
				-22.00000	-27.00000	99.75000	0.0	0.0	-0.013898	*
				-21.00000	-27.00000	99.75000	0.0	0.0	-0.014233	*
				-20.00000	-27.00000	99.75000	0.0	0.0	-0.014469	*
				-19.00000	-27.00000	99.75000	0.0	0.0	-0.014603	*
				-18.00000	-27.00000	99.75000	0.0	0.0	-0.014633	*
				-17.00000	-27.00000	99.75000	0.0	0.0	-0.014559	*
				-16.00000	-27.00000	99.75000	0.0	0.0	-0.014381	*
				-15.00000	-27.00000	99.75000	0.0	0.0	-0.014102	*
				-14.00000	-27.00000	99.75000	0.0	0.0	-0.013727	*
				-13.00000	-27.00000	99.75000	0.0	0.0	-0.013261	*
				-12.00000	-27.00000	99.75000	0.0	0.0	-0.012710	*
				-11.00000	-27.00000	99.75000	0.0	0.0	-0.012082	*
				-10.00000	-27.00000	99.75000	0.0	0.0	-0.011386	*
				-9.00000	-27.00000	99.75000	0.0	0.0	-0.010630	*
				-8.00000	-27.00000	99.75000	0.0	0.0	-0.0098236	*
				-7.00000	-27.00000	99.75000	0.0	0.0	-0.0089765	*
				-6.00000	-27.00000	99.75000	0.0	0.0	-0.0080981	*
				-5.00000	-27.00000	99.75000	0.0	0.0	-0.0071974	*
				-4.00000	-27.00000	99.75000	0.0	0.0	-0.0062833	*
				-3.00000	-27.00000	99.75000	0.0	0.0	-0.0053641	*
				-2.00000	-27.00000	99.75000	0.0	0.0	-0.0044472	*
				-1.00000	-27.00000	99.75000	0.0	0.0	-0.0035398	*
				0.00000	-27.00000	99.75000	0.0	0.0	-0.0026478	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				1.00000	-27.00000	99.75000	0.0	0.0	0.0	
				2.00000	-27.00000	99.75000	0.0	0.0	0.0	
				3.00000	-27.00000	99.75000	0.0	0.0	0.0	
				4.00000	-27.00000	99.75000	0.0	0.0	0.0	
				5.00000	-27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-26.00000	99.75000	0.0	0.0	-771.04E-6	*
				-39.00000	-26.00000	99.75000	0.0	0.0	-0.0016741	*
				-38.00000	-26.00000	99.75000	0.0	0.0	-0.0026145	*
				-37.00000	-26.00000	99.75000	0.0	0.0	-0.0035886	*
				-36.00000	-26.00000	99.75000	0.0	0.0	-0.0045919	*
				-35.00000	-26.00000	99.75000	0.0	0.0	-0.0056188	*
				-34.00000	-26.00000	99.75000	0.0	0.0	-0.0066630	*
				-33.00000	-26.00000	99.75000	0.0	0.0	-0.0077170	*
				-32.00000	-26.00000	99.75000	0.0	0.0	-0.0087727	*
				-31.00000	-26.00000	99.75000	0.0	0.0	-0.0098208	*
				-30.00000	-26.00000	99.75000	0.0	0.0	-0.010851	*
				-29.00000	-26.00000	99.75000	0.0	0.0	-0.011854	*
				-28.00000	-26.00000	99.75000	0.0	0.0	-0.012818	*
				-27.00000	-26.00000	99.75000	0.0	0.0	-0.013731	*
				-26.00000	-26.00000	99.75000	0.0	0.0	-0.014582	*
				-25.00000	-26.00000	99.75000	0.0	0.0	-0.015361	*
				-24.00000	-26.00000	99.75000	0.0	0.0	-0.016057	*
				-23.00000	-26.00000	99.75000	0.0	0.0	-0.016660	*
				-22.00000	-26.00000	99.75000	0.0	0.0	-0.017161	*
				-21.00000	-26.00000	99.75000	0.0	0.0	-0.017553	*
				-20.00000	-26.00000	99.75000	0.0	0.0	-0.017829	*
				-19.00000	-26.00000	99.75000	0.0	0.0	-0.017986	*
				-18.00000	-26.00000	99.75000	0.0	0.0	-0.018021	*
				-17.00000	-26.00000	99.75000	0.0	0.0	-0.017934	*
				-16.00000	-26.00000	99.75000	0.0	0.0	-0.017726	*
				-15.00000	-26.00000	99.75000	0.0	0.0	-0.017400	*
				-14.00000	-26.00000	99.75000	0.0	0.0	-0.016961	*
				-13.00000	-26.00000	99.75000	0.0	0.0	-0.016416	*
				-12.00000	-26.00000	99.75000	0.0	0.0	-0.015773	*
				-11.00000	-26.00000	99.75000	0.0	0.0	-0.015040	*
				-10.00000	-26.00000	99.75000	0.0	0.0	-0.014229	*
				-9.00000	-26.00000	99.75000	0.0	0.0	-0.013350	*
				-8.00000	-26.00000	99.75000	0.0	0.0	-0.012414	*
				-7.00000	-26.00000	99.75000	0.0	0.0	-0.011433	*
				-6.00000	-26.00000	99.75000	0.0	0.0	-0.010417	*
				-5.00000	-26.00000	99.75000	0.0	0.0	-0.0093782	*
				-4.00000	-26.00000	99.75000	0.0	0.0	-0.0083259	*
				-3.00000	-26.00000	99.75000	0.0	0.0	-0.0072700	*
				-2.00000	-26.00000	99.75000	0.0	0.0	-0.0062193	*
				-1.00000	-26.00000	99.75000	0.0	0.0	-0.0051817	*
				0.00000	-26.00000	99.75000	0.0	0.0	-0.0041642	*
				1.00000	-26.00000	99.75000	0.0	0.0	0.0	
				2.00000	-26.00000	99.75000	0.0	0.0	0.0	
				3.00000	-26.00000	99.75000	0.0	0.0	0.0	
				4.00000	-26.00000	99.75000	0.0	0.0	0.0	
				5.00000	-26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-25.00000	99.75000	0.0	0.0	-0.0019842	*
				-39.00000	-25.00000	99.75000	0.0	0.0	-0.0030050	*
				-38.00000	-25.00000	99.75000	0.0	0.0	-0.0040705	*
				-37.00000	-25.00000	99.75000	0.0	0.0	-0.0051769	*
				-36.00000	-25.00000	99.75000	0.0	0.0	-0.0063193	*
				-35.00000	-25.00000	99.75000	0.0	0.0	-0.0074916	*
				-34.00000	-25.00000	99.75000	0.0	0.0	-0.0086866	*
				-33.00000	-25.00000	99.75000	0.0	0.0	-0.0098960	*
				-32.00000	-25.00000	99.75000	0.0	0.0	-0.011110	*
				-31.00000	-25.00000	99.75000	0.0	0.0	-0.012319	*
				-30.00000	-25.00000	99.75000	0.0	0.0	-0.013510	*
				-29.00000	-25.00000	99.75000	0.0	0.0	-0.014672	*
				-28.00000	-25.00000	99.75000	0.0	0.0	-0.015790	*
				-27.00000	-25.00000	99.75000	0.0	0.0	-0.016853	*
				-26.00000	-25.00000	99.75000	0.0	0.0	-0.017845	*
				-25.00000	-25.00000	99.75000	0.0	0.0	-0.018755	*
				-24.00000	-25.00000	99.75000	0.0	0.0	-0.019568	*
				-23.00000	-25.00000	99.75000	0.0	0.0	-0.020274	*
				-22.00000	-25.00000	99.75000	0.0	0.0	-0.020861	*
				-21.00000	-25.00000	99.75000	0.0	0.0	-0.021321	*
				-20.00000	-25.00000	99.75000	0.0	0.0	-0.021645	*
				-19.00000	-25.00000	99.75000	0.0	0.0	-0.021830	*
				-18.00000	-25.00000	99.75000	0.0	0.0	-0.021871	*
				-17.00000	-25.00000	99.75000	0.0	0.0	-0.021769	*
				-16.00000	-25.00000	99.75000	0.0	0.0	-0.021524	*
				-15.00000	-25.00000	99.75000	0.0	0.0	-0.021141	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-14.00000	-25.00000	99.75000	0.0	0.0	-0.020627	*
				-13.00000	-25.00000	99.75000	0.0	0.0	-0.019988	*
				-12.00000	-25.00000	99.75000	0.0	0.0	-0.019235	*
				-11.00000	-25.00000	99.75000	0.0	0.0	-0.018380	*
				-10.00000	-25.00000	99.75000	0.0	0.0	-0.017433	*
				-9.00000	-25.00000	99.75000	0.0	0.0	-0.016410	*
				-8.00000	-25.00000	99.75000	0.0	0.0	-0.015322	*
				-7.00000	-25.00000	99.75000	0.0	0.0	-0.014183	*
				-6.00000	-25.00000	99.75000	0.0	0.0	-0.013008	*
				-5.00000	-25.00000	99.75000	0.0	0.0	-0.011808	*
				-4.00000	-25.00000	99.75000	0.0	0.0	-0.010596	*
				-3.00000	-25.00000	99.75000	0.0	0.0	-0.0093827	*
				-2.00000	-25.00000	99.75000	0.0	0.0	-0.0081784	*
				-1.00000	-25.00000	99.75000	0.0	0.0	-0.0069923	*
				0.00000	-25.00000	99.75000	0.0	0.0	-0.0058320	*
				1.00000	-25.00000	99.75000	0.0	0.0	0.0	
				2.00000	-25.00000	99.75000	0.0	0.0	0.0	
				3.00000	-25.00000	99.75000	0.0	0.0	0.0	
				4.00000	-25.00000	99.75000	0.0	0.0	0.0	
				5.00000	-25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-24.00000	99.75000	0.0	0.0	-0.0033035	*
				-39.00000	-24.00000	99.75000	0.0	0.0	-0.0044560	*
				-38.00000	-24.00000	99.75000	0.0	0.0	-0.0056621	*
				-37.00000	-24.00000	99.75000	0.0	0.0	-0.0069180	*
				-36.00000	-24.00000	99.75000	0.0	0.0	-0.0082182	*
				-35.00000	-24.00000	99.75000	0.0	0.0	-0.0095561	*
				-34.00000	-24.00000	99.75000	0.0	0.0	-0.010924	*
				-33.00000	-24.00000	99.75000	0.0	0.0	-0.012312	*
				-32.00000	-24.00000	99.75000	0.0	0.0	-0.013710	*
				-31.00000	-24.00000	99.75000	0.0	0.0	-0.015104	*
				-30.00000	-24.00000	99.75000	0.0	0.0	-0.016483	*
				-29.00000	-24.00000	99.75000	0.0	0.0	-0.017830	*
				-28.00000	-24.00000	99.75000	0.0	0.0	-0.019131	*
				-27.00000	-24.00000	99.75000	0.0	0.0	-0.020369	*
				-26.00000	-24.00000	99.75000	0.0	0.0	-0.021529	*
				-25.00000	-24.00000	99.75000	0.0	0.0	-0.022593	*
				-24.00000	-24.00000	99.75000	0.0	0.0	-0.023546	*
				-23.00000	-24.00000	99.75000	0.0	0.0	-0.024374	*
				-22.00000	-24.00000	99.75000	0.0	0.0	-0.025064	*
				-21.00000	-24.00000	99.75000	0.0	0.0	-0.025604	*
				-20.00000	-24.00000	99.75000	0.0	0.0	-0.025986	*
				-19.00000	-24.00000	99.75000	0.0	0.0	-0.026204	*
				-18.00000	-24.00000	99.75000	0.0	0.0	-0.026252	*
				-17.00000	-24.00000	99.75000	0.0	0.0	-0.026132	*
				-16.00000	-24.00000	99.75000	0.0	0.0	-0.025844	*
				-15.00000	-24.00000	99.75000	0.0	0.0	-0.025394	*
				-14.00000	-24.00000	99.75000	0.0	0.0	-0.024789	*
				-13.00000	-24.00000	99.75000	0.0	0.0	-0.024039	*
				-12.00000	-24.00000	99.75000	0.0	0.0	-0.023156	*
				-11.00000	-24.00000	99.75000	0.0	0.0	-0.022154	*
				-10.00000	-24.00000	99.75000	0.0	0.0	-0.021047	*
				-9.00000	-24.00000	99.75000	0.0	0.0	-0.019853	*
				-8.00000	-24.00000	99.75000	0.0	0.0	-0.018586	*
				-7.00000	-24.00000	99.75000	0.0	0.0	-0.017264	*
				-6.00000	-24.00000	99.75000	0.0	0.0	-0.015901	*
				-5.00000	-24.00000	99.75000	0.0	0.0	-0.014514	*
				-4.00000	-24.00000	99.75000	0.0	0.0	-0.013117	*
				-3.00000	-24.00000	99.75000	0.0	0.0	-0.011722	*
				-2.00000	-24.00000	99.75000	0.0	0.0	-0.010342	*
				-1.00000	-24.00000	99.75000	0.0	0.0	-0.0089858	*
				0.00000	-24.00000	99.75000	0.0	0.0	-0.0076631	*
				1.00000	-24.00000	99.75000	0.0	0.0	0.0	
				2.00000	-24.00000	99.75000	0.0	0.0	0.0	
				3.00000	-24.00000	99.75000	0.0	0.0	0.0	
				4.00000	-24.00000	99.75000	0.0	0.0	0.0	
				5.00000	-24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-23.00000	99.75000	0.0	0.0	-0.0047341	*
				-39.00000	-23.00000	99.75000	0.0	0.0	-0.0060340	*
				-38.00000	-23.00000	99.75000	0.0	0.0	-0.0073982	*
				-37.00000	-23.00000	99.75000	0.0	0.0	-0.0088228	*
				-36.00000	-23.00000	99.75000	0.0	0.0	-0.010302	*
				-35.00000	-23.00000	99.75000	0.0	0.0	-0.011829	*
				-34.00000	-23.00000	99.75000	0.0	0.0	-0.013395	*
				-33.00000	-23.00000	99.75000	0.0	0.0	-0.014989	*
				-32.00000	-23.00000	99.75000	0.0	0.0	-0.016599	*
				-31.00000	-23.00000	99.75000	0.0	0.0	-0.018210	*
				-30.00000	-23.00000	99.75000	0.0	0.0	-0.019807	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-29.00000	-23.00000	99.75000	0.0	0.0	-0.021373	*
				-28.00000	-23.00000	99.75000	0.0	0.0	-0.022888	*
				-27.00000	-23.00000	99.75000	0.0	0.0	-0.024335	*
				-26.00000	-23.00000	99.75000	0.0	0.0	-0.025691	*
				-25.00000	-23.00000	99.75000	0.0	0.0	-0.026940	*
				-24.00000	-23.00000	99.75000	0.0	0.0	-0.028060	*
				-23.00000	-23.00000	99.75000	0.0	0.0	-0.029034	*
				-22.00000	-23.00000	99.75000	0.0	0.0	-0.029847	*
				-21.00000	-23.00000	99.75000	0.0	0.0	-0.030484	*
				-20.00000	-23.00000	99.75000	0.0	0.0	-0.030935	*
				-19.00000	-23.00000	99.75000	0.0	0.0	-0.031192	*
				-18.00000	-23.00000	99.75000	0.0	0.0	-0.031249	*
				-17.00000	-23.00000	99.75000	0.0	0.0	-0.031107	*
				-16.00000	-23.00000	99.75000	0.0	0.0	-0.030767	*
				-15.00000	-23.00000	99.75000	0.0	0.0	-0.030236	*
				-14.00000	-23.00000	99.75000	0.0	0.0	-0.029522	*
				-13.00000	-23.00000	99.75000	0.0	0.0	-0.028639	*
				-12.00000	-23.00000	99.75000	0.0	0.0	-0.027601	*
				-11.00000	-23.00000	99.75000	0.0	0.0	-0.026424	*
				-10.00000	-23.00000	99.75000	0.0	0.0	-0.025127	*
				-9.00000	-23.00000	99.75000	0.0	0.0	-0.023730	*
				-8.00000	-23.00000	99.75000	0.0	0.0	-0.022253	*
				-7.00000	-23.00000	99.75000	0.0	0.0	-0.020714	*
				-6.00000	-23.00000	99.75000	0.0	0.0	-0.019133	*
				-5.00000	-23.00000	99.75000	0.0	0.0	-0.017528	*
				-4.00000	-23.00000	99.75000	0.0	0.0	-0.015916	*
				-3.00000	-23.00000	99.75000	0.0	0.0	-0.014311	*
				-2.00000	-23.00000	99.75000	0.0	0.0	-0.012728	*
				-1.00000	-23.00000	99.75000	0.0	0.0	-0.011178	*
				0.00000	-23.00000	99.75000	0.0	0.0	-0.0096701	*
				1.00000	-23.00000	99.75000	0.0	0.0	0.0	
				2.00000	-23.00000	99.75000	0.0	0.0	0.0	
				3.00000	-23.00000	99.75000	0.0	0.0	0.0	
				4.00000	-23.00000	99.75000	0.0	0.0	0.0	
				5.00000	-23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-22.00000	99.75000	0.0	0.0	-0.0062814	*
				-39.00000	-22.00000	99.75000	0.0	0.0	-0.0077458	*
				-38.00000	-22.00000	99.75000	0.0	0.0	-0.0092876	*
				-37.00000	-22.00000	99.75000	0.0	0.0	-0.010903	*
				-36.00000	-22.00000	99.75000	0.0	0.0	-0.012585	*
				-35.00000	-22.00000	99.75000	0.0	0.0	-0.014328	*
				-34.00000	-22.00000	99.75000	0.0	0.0	-0.016121	*
				-33.00000	-22.00000	99.75000	0.0	0.0	-0.017953	*
				-32.00000	-22.00000	99.75000	0.0	0.0	-0.019809	*
				-31.00000	-22.00000	99.75000	0.0	0.0	-0.021673	*
				-30.00000	-22.00000	99.75000	0.0	0.0	-0.023526	*
				-29.00000	-22.00000	99.75000	0.0	0.0	-0.025349	*
				-28.00000	-22.00000	99.75000	0.0	0.0	-0.027118	*
				-27.00000	-22.00000	99.75000	0.0	0.0	-0.028811	*
				-26.00000	-22.00000	99.75000	0.0	0.0	-0.030403	*
				-25.00000	-22.00000	99.75000	0.0	0.0	-0.031871	*
				-24.00000	-22.00000	99.75000	0.0	0.0	-0.033191	*
				-23.00000	-22.00000	99.75000	0.0	0.0	-0.034341	*
				-22.00000	-22.00000	99.75000	0.0	0.0	-0.035302	*
				-21.00000	-22.00000	99.75000	0.0	0.0	-0.036056	*
				-20.00000	-22.00000	99.75000	0.0	0.0	-0.036590	*
				-19.00000	-22.00000	99.75000	0.0	0.0	-0.036894	*
				-18.00000	-22.00000	99.75000	0.0	0.0	-0.036962	*
				-17.00000	-22.00000	99.75000	0.0	0.0	-0.036793	*
				-16.00000	-22.00000	99.75000	0.0	0.0	-0.036391	*
				-15.00000	-22.00000	99.75000	0.0	0.0	-0.035762	*
				-14.00000	-22.00000	99.75000	0.0	0.0	-0.034918	*
				-13.00000	-22.00000	99.75000	0.0	0.0	-0.033874	*
				-12.00000	-22.00000	99.75000	0.0	0.0	-0.032649	*
				-11.00000	-22.00000	99.75000	0.0	0.0	-0.031264	*
				-10.00000	-22.00000	99.75000	0.0	0.0	-0.029741	*
				-9.00000	-22.00000	99.75000	0.0	0.0	-0.028103	*
				-8.00000	-22.00000	99.75000	0.0	0.0	-0.026375	*
				-7.00000	-22.00000	99.75000	0.0	0.0	-0.024581	*
				-6.00000	-22.00000	99.75000	0.0	0.0	-0.022743	*
				-5.00000	-22.00000	99.75000	0.0	0.0	-0.020883	*
				-4.00000	-22.00000	99.75000	0.0	0.0	-0.019021	*
				-3.00000	-22.00000	99.75000	0.0	0.0	-0.017173	*
				-2.00000	-22.00000	99.75000	0.0	0.0	-0.015357	*
				-1.00000	-22.00000	99.75000	0.0	0.0	-0.013584	*
				0.00000	-22.00000	99.75000	0.0	0.0	-0.011866	*
				1.00000	-22.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				2.00000	-22.00000	99.75000	0.0	0.0	0.0	
				3.00000	-22.00000	99.75000	0.0	0.0	0.0	
				4.00000	-22.00000	99.75000	0.0	0.0	0.0	
				5.00000	-22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-21.00000	99.75000	0.0	0.0	-0.0079500	*
				-39.00000	-21.00000	99.75000	0.0	0.0	-0.0095981	*
				-38.00000	-21.00000	99.75000	0.0	0.0	-0.011339	*
				-37.00000	-21.00000	99.75000	0.0	0.0	-0.013169	*
				-36.00000	-21.00000	99.75000	0.0	0.0	-0.015083	*
				-35.00000	-21.00000	99.75000	0.0	0.0	-0.017072	*
				-34.00000	-21.00000	99.75000	0.0	0.0	-0.019126	*
				-33.00000	-21.00000	99.75000	0.0	0.0	-0.021232	*
				-32.00000	-21.00000	99.75000	0.0	0.0	-0.023375	*
				-31.00000	-21.00000	99.75000	0.0	0.0	-0.025534	*
				-30.00000	-21.00000	99.75000	0.0	0.0	-0.027688	*
				-29.00000	-21.00000	99.75000	0.0	0.0	-0.029814	*
				-28.00000	-21.00000	99.75000	0.0	0.0	-0.031885	*
				-27.00000	-21.00000	99.75000	0.0	0.0	-0.033871	*
				-26.00000	-21.00000	99.75000	0.0	0.0	-0.035745	*
				-25.00000	-21.00000	99.75000	0.0	0.0	-0.037477	*
				-24.00000	-21.00000	99.75000	0.0	0.0	-0.039038	*
				-23.00000	-21.00000	99.75000	0.0	0.0	-0.040400	*
				-22.00000	-21.00000	99.75000	0.0	0.0	-0.041540	*
				-21.00000	-21.00000	99.75000	0.0	0.0	-0.042436	*
				-20.00000	-21.00000	99.75000	0.0	0.0	-0.043070	*
				-19.00000	-21.00000	99.75000	0.0	0.0	-0.043432	*
				-18.00000	-21.00000	99.75000	0.0	0.0	-0.043513	*
				-17.00000	-21.00000	99.75000	0.0	0.0	-0.043312	*
				-16.00000	-21.00000	99.75000	0.0	0.0	-0.042833	*
				-15.00000	-21.00000	99.75000	0.0	0.0	-0.042085	*
				-14.00000	-21.00000	99.75000	0.0	0.0	-0.041084	*
				-13.00000	-21.00000	99.75000	0.0	0.0	-0.039847	*
				-12.00000	-21.00000	99.75000	0.0	0.0	-0.038397	*
				-11.00000	-21.00000	99.75000	0.0	0.0	-0.036760	*
				-10.00000	-21.00000	99.75000	0.0	0.0	-0.034965	*
				-9.00000	-21.00000	99.75000	0.0	0.0	-0.033040	*
				-8.00000	-21.00000	99.75000	0.0	0.0	-0.031014	*
				-7.00000	-21.00000	99.75000	0.0	0.0	-0.028917	*
				-6.00000	-21.00000	99.75000	0.0	0.0	-0.026777	*
				-5.00000	-21.00000	99.75000	0.0	0.0	-0.024618	*
				-4.00000	-21.00000	99.75000	0.0	0.0	-0.022464	*
				-3.00000	-21.00000	99.75000	0.0	0.0	-0.020335	*
				-2.00000	-21.00000	99.75000	0.0	0.0	-0.018250	*
				-1.00000	-21.00000	99.75000	0.0	0.0	-0.016222	*
				0.00000	-21.00000	99.75000	0.0	0.0	-0.014264	*
				1.00000	-21.00000	99.75000	0.0	0.0	0.0	
				2.00000	-21.00000	99.75000	0.0	0.0	0.0	
				3.00000	-21.00000	99.75000	0.0	0.0	0.0	
				4.00000	-21.00000	99.75000	0.0	0.0	0.0	
				5.00000	-21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-20.00000	99.75000	0.0	0.0	-0.0097438	*
				-39.00000	-20.00000	99.75000	0.0	0.0	-0.011597	*
				-38.00000	-20.00000	99.75000	0.0	0.0	-0.013561	*
				-37.00000	-20.00000	99.75000	0.0	0.0	-0.015634	*
				-36.00000	-20.00000	99.75000	0.0	0.0	-0.017809	*
				-35.00000	-20.00000	99.75000	0.0	0.0	-0.020080	*
				-34.00000	-20.00000	99.75000	0.0	0.0	-0.022435	*
				-33.00000	-20.00000	99.75000	0.0	0.0	-0.024859	*
				-32.00000	-20.00000	99.75000	0.0	0.0	-0.027334	*
				-31.00000	-20.00000	99.75000	0.0	0.0	-0.029839	*
				-30.00000	-20.00000	99.75000	0.0	0.0	-0.032349	*
				-29.00000	-20.00000	99.75000	0.0	0.0	-0.034834	*
				-28.00000	-20.00000	99.75000	0.0	0.0	-0.037263	*
				-27.00000	-20.00000	99.75000	0.0	0.0	-0.039602	*
				-26.00000	-20.00000	99.75000	0.0	0.0	-0.041815	*
				-25.00000	-20.00000	99.75000	0.0	0.0	-0.043865	*
				-24.00000	-20.00000	99.75000	0.0	0.0	-0.045717	*
				-23.00000	-20.00000	99.75000	0.0	0.0	-0.047337	*
				-22.00000	-20.00000	99.75000	0.0	0.0	-0.048694	*
				-21.00000	-20.00000	99.75000	0.0	0.0	-0.049762	*
				-20.00000	-20.00000	99.75000	0.0	0.0	-0.050519	*
				-19.00000	-20.00000	99.75000	0.0	0.0	-0.050951	*
				-18.00000	-20.00000	99.75000	0.0	0.0	-0.051047	*
				-17.00000	-20.00000	99.75000	0.0	0.0	-0.050807	*
				-16.00000	-20.00000	99.75000	0.0	0.0	-0.050236	*
				-15.00000	-20.00000	99.75000	0.0	0.0	-0.049344	*
				-14.00000	-20.00000	99.75000	0.0	0.0	-0.048150	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-13.00000	-20.00000	99.75000	0.0	0.0	-0.046677	*
				-12.00000	-20.00000	99.75000	0.0	0.0	-0.044955	*
				-11.00000	-20.00000	99.75000	0.0	0.0	-0.043015	*
				-10.00000	-20.00000	99.75000	0.0	0.0	-0.040892	*
				-9.00000	-20.00000	99.75000	0.0	0.0	-0.038622	*
				-8.00000	-20.00000	99.75000	0.0	0.0	-0.036241	*
				-7.00000	-20.00000	99.75000	0.0	0.0	-0.033784	*
				-6.00000	-20.00000	99.75000	0.0	0.0	-0.031286	*
				-5.00000	-20.00000	99.75000	0.0	0.0	-0.028775	*
				-4.00000	-20.00000	99.75000	0.0	0.0	-0.026280	*
				-3.00000	-20.00000	99.75000	0.0	0.0	-0.023825	*
				-2.00000	-20.00000	99.75000	0.0	0.0	-0.021429	*
				-1.00000	-20.00000	99.75000	0.0	0.0	-0.019108	*
				0.00000	-20.00000	99.75000	0.0	0.0	-0.016877	*
				1.00000	-20.00000	99.75000	0.0	0.0	0.0	
				2.00000	-20.00000	99.75000	0.0	0.0	0.0	
				3.00000	-20.00000	99.75000	0.0	0.0	0.0	
				4.00000	-20.00000	99.75000	0.0	0.0	0.0	
				5.00000	-20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-19.00000	99.75000	0.0	0.0	-0.011666	*
				-39.00000	-19.00000	99.75000	0.0	0.0	-0.013746	*
				-38.00000	-19.00000	99.75000	0.0	0.0	-0.015961	*
				-37.00000	-19.00000	99.75000	0.0	0.0	-0.018307	*
				-36.00000	-19.00000	99.75000	0.0	0.0	-0.020780	*
				-35.00000	-19.00000	99.75000	0.0	0.0	-0.023372	*
				-34.00000	-19.00000	99.75000	0.0	0.0	-0.026073	*
				-33.00000	-19.00000	99.75000	0.0	0.0	-0.028865	*
				-32.00000	-19.00000	99.75000	0.0	0.0	-0.031729	*
				-31.00000	-19.00000	99.75000	0.0	0.0	-0.034641	*
				-30.00000	-19.00000	99.75000	0.0	0.0	-0.037570	*
				-29.00000	-19.00000	99.75000	0.0	0.0	-0.040483	*
				-28.00000	-19.00000	99.75000	0.0	0.0	-0.043342	*
				-27.00000	-19.00000	99.75000	0.0	0.0	-0.046104	*
				-26.00000	-19.00000	99.75000	0.0	0.0	-0.048726	*
				-25.00000	-19.00000	99.75000	0.0	0.0	-0.051162	*
				-24.00000	-19.00000	99.75000	0.0	0.0	-0.053368	*
				-23.00000	-19.00000	99.75000	0.0	0.0	-0.055303	*
				-22.00000	-19.00000	99.75000	0.0	0.0	-0.056926	*
				-21.00000	-19.00000	99.75000	0.0	0.0	-0.058205	*
				-20.00000	-19.00000	99.75000	0.0	0.0	-0.059113	*
				-19.00000	-19.00000	99.75000	0.0	0.0	-0.059630	*
				-18.00000	-19.00000	99.75000	0.0	0.0	-0.059746	*
				-17.00000	-19.00000	99.75000	0.0	0.0	-0.059458	*
				-16.00000	-19.00000	99.75000	0.0	0.0	-0.058772	*
				-15.00000	-19.00000	99.75000	0.0	0.0	-0.057703	*
				-14.00000	-19.00000	99.75000	0.0	0.0	-0.056274	*
				-13.00000	-19.00000	99.75000	0.0	0.0	-0.054515	*
				-12.00000	-19.00000	99.75000	0.0	0.0	-0.052460	*
				-11.00000	-19.00000	99.75000	0.0	0.0	-0.050151	*
				-10.00000	-19.00000	99.75000	0.0	0.0	-0.047631	*
				-9.00000	-19.00000	99.75000	0.0	0.0	-0.044945	*
				-8.00000	-19.00000	99.75000	0.0	0.0	-0.042137	*
				-7.00000	-19.00000	99.75000	0.0	0.0	-0.039251	*
				-6.00000	-19.00000	99.75000	0.0	0.0	-0.036328	*
				-5.00000	-19.00000	99.75000	0.0	0.0	-0.033402	*
				-4.00000	-19.00000	99.75000	0.0	0.0	-0.030508	*
				-3.00000	-19.00000	99.75000	0.0	0.0	-0.027672	*
				-2.00000	-19.00000	99.75000	0.0	0.0	-0.024917	*
				-1.00000	-19.00000	99.75000	0.0	0.0	-0.022262	*
				0.00000	-19.00000	99.75000	0.0	0.0	-0.019719	*
				1.00000	-19.00000	99.75000	0.0	0.0	0.0	
				2.00000	-19.00000	99.75000	0.0	0.0	0.0	
				3.00000	-19.00000	99.75000	0.0	0.0	0.0	
				4.00000	-19.00000	99.75000	0.0	0.0	0.0	
				5.00000	-19.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-18.00000	99.75000	0.0	0.0	-0.013718	*
				-39.00000	-18.00000	99.75000	0.0	0.0	-0.016051	*
				-38.00000	-18.00000	99.75000	0.0	0.0	-0.018545	*
				-37.00000	-18.00000	99.75000	0.0	0.0	-0.021199	*
				-36.00000	-18.00000	99.75000	0.0	0.0	-0.024009	*
				-35.00000	-18.00000	99.75000	0.0	0.0	-0.026969	*
				-34.00000	-18.00000	99.75000	0.0	0.0	-0.030067	*
				-33.00000	-18.00000	99.75000	0.0	0.0	-0.033287	*
				-32.00000	-18.00000	99.75000	0.0	0.0	-0.036606	*
				-31.00000	-18.00000	99.75000	0.0	0.0	-0.039996	*
				-30.00000	-18.00000	99.75000	0.0	0.0	-0.043424	*
				-29.00000	-18.00000	99.75000	0.0	0.0	-0.046849	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-28.00000	-18.00000	99.75000	0.0	0.0	-0.050223	*
				-27.00000	-18.00000	99.75000	0.0	0.0	-0.053497	*
				-26.00000	-18.00000	99.75000	0.0	0.0	-0.056616	*
				-25.00000	-18.00000	99.75000	0.0	0.0	-0.059524	*
				-24.00000	-18.00000	99.75000	0.0	0.0	-0.062164	*
				-23.00000	-18.00000	99.75000	0.0	0.0	-0.064484	*
				-22.00000	-18.00000	99.75000	0.0	0.0	-0.066434	*
				-21.00000	-18.00000	99.75000	0.0	0.0	-0.067973	*
				-20.00000	-18.00000	99.75000	0.0	0.0	-0.069067	*
				-19.00000	-18.00000	99.75000	0.0	0.0	-0.069691	*
				-18.00000	-18.00000	99.75000	0.0	0.0	-0.069830	*
				-17.00000	-18.00000	99.75000	0.0	0.0	-0.069483	*
				-16.00000	-18.00000	99.75000	0.0	0.0	-0.068656	*
				-15.00000	-18.00000	99.75000	0.0	0.0	-0.067369	*
				-14.00000	-18.00000	99.75000	0.0	0.0	-0.065650	*
				-13.00000	-18.00000	99.75000	0.0	0.0	-0.063537	*
				-12.00000	-18.00000	99.75000	0.0	0.0	-0.061075	*
				-11.00000	-18.00000	99.75000	0.0	0.0	-0.058315	*
				-10.00000	-18.00000	99.75000	0.0	0.0	-0.055312	*
				-9.00000	-18.00000	99.75000	0.0	0.0	-0.052121	*
				-8.00000	-18.00000	99.75000	0.0	0.0	-0.048799	*
				-7.00000	-18.00000	99.75000	0.0	0.0	-0.045398	*
				-6.00000	-18.00000	99.75000	0.0	0.0	-0.041968	*
				-5.00000	-18.00000	99.75000	0.0	0.0	-0.038552	*
				-4.00000	-18.00000	99.75000	0.0	0.0	-0.035189	*
				-3.00000	-18.00000	99.75000	0.0	0.0	-0.031910	*
				-2.00000	-18.00000	99.75000	0.0	0.0	-0.028740	*
				-1.00000	-18.00000	99.75000	0.0	0.0	-0.025699	*
				0.00000	-18.00000	99.75000	0.0	0.0	-0.022802	*
				1.00000	-18.00000	99.75000	0.0	0.0	0.0	
				2.00000	-18.00000	99.75000	0.0	0.0	0.0	
				3.00000	-18.00000	99.75000	0.0	0.0	0.0	
				4.00000	-18.00000	99.75000	0.0	0.0	0.0	
				5.00000	-18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-17.00000	99.75000	0.0	0.0	-0.015900	*
				-39.00000	-17.00000	99.75000	0.0	0.0	-0.018513	*
				-38.00000	-17.00000	99.75000	0.0	0.0	-0.021318	*
				-37.00000	-17.00000	99.75000	0.0	0.0	-0.024318	*
				-36.00000	-17.00000	99.75000	0.0	0.0	-0.027510	*
				-35.00000	-17.00000	99.75000	0.0	0.0	-0.030890	*
				-34.00000	-17.00000	99.75000	0.0	0.0	-0.034446	*
				-33.00000	-17.00000	99.75000	0.0	0.0	-0.038162	*
				-32.00000	-17.00000	99.75000	0.0	0.0	-0.042014	*
				-31.00000	-17.00000	99.75000	0.0	0.0	-0.045971	*
				-30.00000	-17.00000	99.75000	0.0	0.0	-0.049992	*
				-29.00000	-17.00000	99.75000	0.0	0.0	-0.054030	*
				-28.00000	-17.00000	99.75000	0.0	0.0	-0.058028	*
				-27.00000	-17.00000	99.75000	0.0	0.0	-0.061925	*
				-26.00000	-17.00000	99.75000	0.0	0.0	-0.065652	*
				-25.00000	-17.00000	99.75000	0.0	0.0	-0.069138	*
				-24.00000	-17.00000	99.75000	0.0	0.0	-0.072313	*
				-23.00000	-17.00000	99.75000	0.0	0.0	-0.075109	*
				-22.00000	-17.00000	99.75000	0.0	0.0	-0.077465	*
				-21.00000	-17.00000	99.75000	0.0	0.0	-0.079327	*
				-20.00000	-17.00000	99.75000	0.0	0.0	-0.080650	*
				-19.00000	-17.00000	99.75000	0.0	0.0	-0.081406	*
				-18.00000	-17.00000	99.75000	0.0	0.0	-0.081575	*
				-17.00000	-17.00000	99.75000	0.0	0.0	-0.081154	*
				-16.00000	-17.00000	99.75000	0.0	0.0	-0.080153	*
				-15.00000	-17.00000	99.75000	0.0	0.0	-0.078595	*
				-14.00000	-17.00000	99.75000	0.0	0.0	-0.076517	*
				-13.00000	-17.00000	99.75000	0.0	0.0	-0.073967	*
				-12.00000	-17.00000	99.75000	0.0	0.0	-0.071002	*
				-11.00000	-17.00000	99.75000	0.0	0.0	-0.067686	*
				-10.00000	-17.00000	99.75000	0.0	0.0	-0.064090	*
				-9.00000	-17.00000	99.75000	0.0	0.0	-0.060284	*
				-8.00000	-17.00000	99.75000	0.0	0.0	-0.056338	*
				-7.00000	-17.00000	99.75000	0.0	0.0	-0.052317	*
				-6.00000	-17.00000	99.75000	0.0	0.0	-0.048281	*
				-5.00000	-17.00000	99.75000	0.0	0.0	-0.044283	*
				-4.00000	-17.00000	99.75000	0.0	0.0	-0.040367	*
				-3.00000	-17.00000	99.75000	0.0	0.0	-0.036571	*
				-2.00000	-17.00000	99.75000	0.0	0.0	-0.032921	*
				-1.00000	-17.00000	99.75000	0.0	0.0	-0.029438	*
				0.00000	-17.00000	99.75000	0.0	0.0	-0.026137	*
				1.00000	-17.00000	99.75000	0.0	0.0	0.0	
				2.00000	-17.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				3.00000	-17.00000	99.75000	0.0	0.0	0.0
				4.00000	-17.00000	99.75000	0.0	0.0	0.0
				5.00000	-17.00000	99.75000	0.0	0.0	0.0
				-40.00000	-16.00000	99.75000	0.0	0.0	-0.018210
				-39.00000	-16.00000	99.75000	0.0	0.0	-0.021131
				-38.00000	-16.00000	99.75000	0.0	0.0	-0.024283
				-37.00000	-16.00000	99.75000	0.0	0.0	-0.027670
				-36.00000	-16.00000	99.75000	0.0	0.0	-0.031295
				-35.00000	-16.00000	99.75000	0.0	0.0	-0.035153
				-34.00000	-16.00000	99.75000	0.0	0.0	-0.039238
				-33.00000	-16.00000	99.75000	0.0	0.0	-0.043531
				-32.00000	-16.00000	99.75000	0.0	0.0	-0.048008
				-31.00000	-16.00000	99.75000	0.0	0.0	-0.052635
				-30.00000	-16.00000	99.75000	0.0	0.0	-0.057365
				-29.00000	-16.00000	99.75000	0.0	0.0	-0.062143
				-28.00000	-16.00000	99.75000	0.0	0.0	-0.066899
				-27.00000	-16.00000	99.75000	0.0	0.0	-0.071558
				-26.00000	-16.00000	99.75000	0.0	0.0	-0.076032
				-25.00000	-16.00000	99.75000	0.0	0.0	-0.080234
				-24.00000	-16.00000	99.75000	0.0	0.0	-0.084073
				-23.00000	-16.00000	99.75000	0.0	0.0	-0.087463
				-22.00000	-16.00000	99.75000	0.0	0.0	-0.090324
				-21.00000	-16.00000	99.75000	0.0	0.0	-0.092588
				-20.00000	-16.00000	99.75000	0.0	0.0	-0.094200
				-19.00000	-16.00000	99.75000	0.0	0.0	-0.095120
				-18.00000	-16.00000	99.75000	0.0	0.0	-0.095326
				-17.00000	-16.00000	99.75000	0.0	0.0	-0.094812
				-16.00000	-16.00000	99.75000	0.0	0.0	-0.093593
				-15.00000	-16.00000	99.75000	0.0	0.0	-0.091697
				-14.00000	-16.00000	99.75000	0.0	0.0	-0.089171
				-13.00000	-16.00000	99.75000	0.0	0.0	-0.086076
				-12.00000	-16.00000	99.75000	0.0	0.0	-0.082485
				-11.00000	-16.00000	99.75000	0.0	0.0	-0.078482
				-10.00000	-16.00000	99.75000	0.0	0.0	-0.074154
				-9.00000	-16.00000	99.75000	0.0	0.0	-0.069593
				-8.00000	-16.00000	99.75000	0.0	0.0	-0.064885
				-7.00000	-16.00000	99.75000	0.0	0.0	-0.060112
				-6.00000	-16.00000	99.75000	0.0	0.0	-0.055349
				-5.00000	-16.00000	99.75000	0.0	0.0	-0.050657
				-4.00000	-16.00000	99.75000	0.0	0.0	-0.046091
				-3.00000	-16.00000	99.75000	0.0	0.0	-0.041689
				-2.00000	-16.00000	99.75000	0.0	0.0	-0.037483
				-1.00000	-16.00000	99.75000	0.0	0.0	-0.033493
				0.00000	-16.00000	99.75000	0.0	0.0	-0.029734
				1.00000	-16.00000	99.75000	0.0	0.0	0.0
				2.00000	-16.00000	99.75000	0.0	0.0	0.0
				3.00000	-16.00000	99.75000	0.0	0.0	0.0
				4.00000	-16.00000	99.75000	0.0	0.0	0.0
				5.00000	-16.00000	99.75000	0.0	0.0	0.0
				-40.00000	-15.00000	99.75000	0.0	0.0	-0.020642
				-39.00000	-15.00000	99.75000	0.0	0.0	-0.023903
				-38.00000	-15.00000	99.75000	0.0	0.0	-0.027438
				-37.00000	-15.00000	99.75000	0.0	0.0	-0.031259
				-36.00000	-15.00000	99.75000	0.0	0.0	-0.035371
				-35.00000	-15.00000	99.75000	0.0	0.0	-0.039775
				-34.00000	-15.00000	99.75000	0.0	0.0	-0.044467
				-33.00000	-15.00000	99.75000	0.0	0.0	-0.049432
				-32.00000	-15.00000	99.75000	0.0	0.0	-0.054644
				-31.00000	-15.00000	99.75000	0.0	0.0	-0.060067
				-30.00000	-15.00000	99.75000	0.0	0.0	-0.065649
				-29.00000	-15.00000	99.75000	0.0	0.0	-0.071322
				-28.00000	-15.00000	99.75000	0.0	0.0	-0.077005
				-27.00000	-15.00000	99.75000	0.0	0.0	-0.082602
				-26.00000	-15.00000	99.75000	0.0	0.0	-0.088004
				-25.00000	-15.00000	99.75000	0.0	0.0	-0.093097
				-24.00000	-15.00000	99.75000	0.0	0.0	-0.097767
				-23.00000	-15.00000	99.75000	0.0	0.0	-0.10190
				-22.00000	-15.00000	99.75000	0.0	0.0	-0.10540
				-21.00000	-15.00000	99.75000	0.0	0.0	-0.10817
				-20.00000	-15.00000	99.75000	0.0	0.0	-0.11014
				-19.00000	-15.00000	99.75000	0.0	0.0	-0.11127
				-18.00000	-15.00000	99.75000	0.0	0.0	-0.11152
				-17.00000	-15.00000	99.75000	0.0	0.0	-0.11089
				-16.00000	-15.00000	99.75000	0.0	0.0	-0.10939
				-15.00000	-15.00000	99.75000	0.0	0.0	-0.10707
				-14.00000	-15.00000	99.75000	0.0	0.0	-0.10398
				-13.00000	-15.00000	99.75000	0.0	0.0	-0.10021



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-12.00000	-15.00000	99.75000	0.0	0.0	-0.095832	*
				-11.00000	-15.00000	99.75000	0.0	0.0	-0.090969	*
				-10.00000	-15.00000	99.75000	0.0	0.0	-0.085732	*
				-9.00000	-15.00000	99.75000	0.0	0.0	-0.080237	*
				-8.00000	-15.00000	99.75000	0.0	0.0	-0.074594	*
				-7.00000	-15.00000	99.75000	0.0	0.0	-0.068906	*
				-6.00000	-15.00000	99.75000	0.0	0.0	-0.063265	*
				-5.00000	-15.00000	99.75000	0.0	0.0	-0.057745	*
				-4.00000	-15.00000	99.75000	0.0	0.0	-0.052407	*
				-3.00000	-15.00000	99.75000	0.0	0.0	-0.047298	*
				-2.00000	-15.00000	99.75000	0.0	0.0	-0.042448	*
				-1.00000	-15.00000	99.75000	0.0	0.0	-0.037877	*
				0.00000	-15.00000	99.75000	0.0	0.0	-0.033597	*
				1.00000	-15.00000	99.75000	0.0	0.0	0.0	
				2.00000	-15.00000	99.75000	0.0	0.0	0.0	
				3.00000	-15.00000	99.75000	0.0	0.0	0.0	
				4.00000	-15.00000	99.75000	0.0	0.0	0.0	
				5.00000	-15.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-14.00000	99.75000	0.0	0.0	-0.023190	*
				-39.00000	-14.00000	99.75000	0.0	0.0	-0.026821	*
				-38.00000	-14.00000	99.75000	0.0	0.0	-0.030779	*
				-37.00000	-14.00000	99.75000	0.0	0.0	-0.035083	*
				-36.00000	-14.00000	99.75000	0.0	0.0	-0.039743	*
				-35.00000	-14.00000	99.75000	0.0	0.0	-0.044768	*
				-34.00000	-14.00000	99.75000	0.0	0.0	-0.050158	*
				-33.00000	-14.00000	99.75000	0.0	0.0	-0.055903	*
				-32.00000	-14.00000	99.75000	0.0	0.0	-0.061981	*
				-31.00000	-14.00000	99.75000	0.0	0.0	-0.068352	*
				-30.00000	-14.00000	99.75000	0.0	0.0	-0.074959	*
				-29.00000	-14.00000	99.75000	0.0	0.0	-0.081724	*
				-28.00000	-14.00000	99.75000	0.0	0.0	-0.088547	*
				-27.00000	-14.00000	99.75000	0.0	0.0	-0.095307	*
				-26.00000	-14.00000	99.75000	0.0	0.0	-0.10187	*
				-25.00000	-14.00000	99.75000	0.0	0.0	-0.10808	*
				-24.00000	-14.00000	99.75000	0.0	0.0	-0.11380	*
				-23.00000	-14.00000	99.75000	0.0	0.0	-0.11887	*
				-22.00000	-14.00000	99.75000	0.0	0.0	-0.12317	*
				-21.00000	-14.00000	99.75000	0.0	0.0	-0.12658	*
				-20.00000	-14.00000	99.75000	0.0	0.0	-0.12901	*
				-19.00000	-14.00000	99.75000	0.0	0.0	-0.13040	*
				-18.00000	-14.00000	99.75000	0.0	0.0	-0.13071	*
				-17.00000	-14.00000	99.75000	0.0	0.0	-0.12994	*
				-16.00000	-14.00000	99.75000	0.0	0.0	-0.12809	*
				-15.00000	-14.00000	99.75000	0.0	0.0	-0.12523	*
				-14.00000	-14.00000	99.75000	0.0	0.0	-0.12143	*
				-13.00000	-14.00000	99.75000	0.0	0.0	-0.11679	*
				-12.00000	-14.00000	99.75000	0.0	0.0	-0.11143	*
				-11.00000	-14.00000	99.75000	0.0	0.0	-0.10548	*
				-10.00000	-14.00000	99.75000	0.0	0.0	-0.099104	*
				-9.00000	-14.00000	99.75000	0.0	0.0	-0.092444	*
				-8.00000	-14.00000	99.75000	0.0	0.0	-0.085645	*
				-7.00000	-14.00000	99.75000	0.0	0.0	-0.078836	*
				-6.00000	-14.00000	99.75000	0.0	0.0	-0.072130	*
				-5.00000	-14.00000	99.75000	0.0	0.0	-0.065618	*
				-4.00000	-14.00000	99.75000	0.0	0.0	-0.059367	*
				-3.00000	-14.00000	99.75000	0.0	0.0	-0.053429	*
				-2.00000	-14.00000	99.75000	0.0	0.0	-0.047834	*
				-1.00000	-14.00000	99.75000	0.0	0.0	-0.042599	*
				0.00000	-14.00000	99.75000	0.0	0.0	-0.037730	*
				1.00000	-14.00000	99.75000	0.0	0.0	0.0	
				2.00000	-14.00000	99.75000	0.0	0.0	0.0	
				3.00000	-14.00000	99.75000	0.0	0.0	0.0	
				4.00000	-14.00000	99.75000	0.0	0.0	0.0	
				5.00000	-14.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-13.00000	99.75000	0.0	0.0	-0.025841	*
				-39.00000	-13.00000	99.75000	0.0	0.0	-0.029874	*
				-38.00000	-13.00000	99.75000	0.0	0.0	-0.034297	*
				-37.00000	-13.00000	99.75000	0.0	0.0	-0.039134	*
				-36.00000	-13.00000	99.75000	0.0	0.0	-0.044409	*
				-35.00000	-13.00000	99.75000	0.0	0.0	-0.050137	*
				-34.00000	-13.00000	99.75000	0.0	0.0	-0.056328	*
				-33.00000	-13.00000	99.75000	0.0	0.0	-0.062980	*
				-32.00000	-13.00000	99.75000	0.0	0.0	-0.070076	*
				-31.00000	-13.00000	99.75000	0.0	0.0	-0.077578	*
				-30.00000	-13.00000	99.75000	0.0	0.0	-0.085425	*
				-29.00000	-13.00000	99.75000	0.0	0.0	-0.093527	*
				-28.00000	-13.00000	99.75000	0.0	0.0	-0.10176	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-27.00000	-13.00000	99.75000	0.0	0.0	-0.10998	*
				-26.00000	-13.00000	99.75000	0.0	0.0	-0.11800	*
				-25.00000	-13.00000	99.75000	0.0	0.0	-0.12564	*
				-24.00000	-13.00000	99.75000	0.0	0.0	-0.13269	*
				-23.00000	-13.00000	99.75000	0.0	0.0	-0.13896	*
				-22.00000	-13.00000	99.75000	0.0	0.0	-0.14429	*
				-21.00000	-13.00000	99.75000	0.0	0.0	-0.14851	*
				-20.00000	-13.00000	99.75000	0.0	0.0	-0.15152	*
				-19.00000	-13.00000	99.75000	0.0	0.0	-0.15324	*
				-18.00000	-13.00000	99.75000	0.0	0.0	-0.15363	*
				-17.00000	-13.00000	99.75000	0.0	0.0	-0.15267	*
				-16.00000	-13.00000	99.75000	0.0	0.0	-0.15038	*
				-15.00000	-13.00000	99.75000	0.0	0.0	-0.14684	*
				-14.00000	-13.00000	99.75000	0.0	0.0	-0.14213	*
				-13.00000	-13.00000	99.75000	0.0	0.0	-0.13638	*
				-12.00000	-13.00000	99.75000	0.0	0.0	-0.12976	*
				-11.00000	-13.00000	99.75000	0.0	0.0	-0.12244	*
				-10.00000	-13.00000	99.75000	0.0	0.0	-0.11461	*
				-9.00000	-13.00000	99.75000	0.0	0.0	-0.10649	*
				-8.00000	-13.00000	99.75000	0.0	0.0	-0.098251	*
				-7.00000	-13.00000	99.75000	0.0	0.0	-0.090060	*
				-6.00000	-13.00000	99.75000	0.0	0.0	-0.082058	*
				-5.00000	-13.00000	99.75000	0.0	0.0	-0.074351	*
				-4.00000	-13.00000	99.75000	0.0	0.0	-0.067018	*
				-3.00000	-13.00000	99.75000	0.0	0.0	-0.060109	*
				-2.00000	-13.00000	99.75000	0.0	0.0	-0.053653	*
				-1.00000	-13.00000	99.75000	0.0	0.0	-0.047660	*
				0.00000	-13.00000	99.75000	0.0	0.0	-0.042126	*
				1.00000	-13.00000	99.75000	0.0	0.0	0.0	
				2.00000	-13.00000	99.75000	0.0	0.0	0.0	
				3.00000	-13.00000	99.75000	0.0	0.0	0.0	
				4.00000	-13.00000	99.75000	0.0	0.0	0.0	
				5.00000	-13.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-12.00000	99.75000	0.0	0.0	-0.028578	*
				-39.00000	-12.00000	99.75000	0.0	0.0	-0.033045	*
				-38.00000	-12.00000	99.75000	0.0	0.0	-0.037974	*
				-37.00000	-12.00000	99.75000	0.0	0.0	-0.043400	*
				-36.00000	-12.00000	99.75000	0.0	0.0	-0.049358	*
				-35.00000	-12.00000	99.75000	0.0	0.0	-0.055878	*
				-34.00000	-12.00000	99.75000	0.0	0.0	-0.062985	*
				-33.00000	-12.00000	99.75000	0.0	0.0	-0.070688	*
				-32.00000	-12.00000	99.75000	0.0	0.0	-0.078982	*
				-31.00000	-12.00000	99.75000	0.0	0.0	-0.087837	*
				-30.00000	-12.00000	99.75000	0.0	0.0	-0.097188	*
				-29.00000	-12.00000	99.75000	0.0	0.0	-0.10694	*
				-28.00000	-12.00000	99.75000	0.0	0.0	-0.11693	*
				-27.00000	-12.00000	99.75000	0.0	0.0	-0.12699	*
				-26.00000	-12.00000	99.75000	0.0	0.0	-0.13688	*
				-25.00000	-12.00000	99.75000	0.0	0.0	-0.14634	*
				-24.00000	-12.00000	99.75000	0.0	0.0	-0.15511	*
				-23.00000	-12.00000	99.75000	0.0	0.0	-0.16292	*
				-22.00000	-12.00000	99.75000	0.0	0.0	-0.16956	*
				-21.00000	-12.00000	99.75000	0.0	0.0	-0.17483	*
				-20.00000	-12.00000	99.75000	0.0	0.0	-0.17859	*
				-19.00000	-12.00000	99.75000	0.0	0.0	-0.18073	*
				-18.00000	-12.00000	99.75000	0.0	0.0	-0.18121	*
				-17.00000	-12.00000	99.75000	0.0	0.0	-0.18001	*
				-16.00000	-12.00000	99.75000	0.0	0.0	-0.17716	*
				-15.00000	-12.00000	99.75000	0.0	0.0	-0.17274	*
				-14.00000	-12.00000	99.75000	0.0	0.0	-0.16686	*
				-13.00000	-12.00000	99.75000	0.0	0.0	-0.15970	*
				-12.00000	-12.00000	99.75000	0.0	0.0	-0.15145	*
				-11.00000	-12.00000	99.75000	0.0	0.0	-0.14236	*
				-10.00000	-12.00000	99.75000	0.0	0.0	-0.13269	*
				-9.00000	-12.00000	99.75000	0.0	0.0	-0.12271	*
				-8.00000	-12.00000	99.75000	0.0	0.0	-0.11266	*
				-7.00000	-12.00000	99.75000	0.0	0.0	-0.10275	*
				-6.00000	-12.00000	99.75000	0.0	0.0	-0.093165	*
				-5.00000	-12.00000	99.75000	0.0	0.0	-0.084018	*
				-4.00000	-12.00000	99.75000	0.0	0.0	-0.075399	*
				-3.00000	-12.00000	99.75000	0.0	0.0	-0.067356	*
				-2.00000	-12.00000	99.75000	0.0	0.0	-0.059908	*
				-1.00000	-12.00000	99.75000	0.0	0.0	-0.053053	*
				0.00000	-12.00000	99.75000	0.0	0.0	-0.046775	*
				1.00000	-12.00000	99.75000	0.0	0.0	0.0	
				2.00000	-12.00000	99.75000	0.0	0.0	0.0	
				3.00000	-12.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				4.00000	-12.00000	99.75000	0.0	0.0	0.0
				5.00000	-12.00000	99.75000	0.0	0.0	0.0
				-40.00000	-11.00000	99.75000	0.0	0.0	-0.031381
				-39.00000	-11.00000	99.75000	0.0	0.0	-0.036312
				-38.00000	-11.00000	99.75000	0.0	0.0	-0.041786
				-37.00000	-11.00000	99.75000	0.0	0.0	-0.047855
				-36.00000	-11.00000	99.75000	0.0	0.0	-0.054569
				-35.00000	-11.00000	99.75000	0.0	0.0	-0.061977
				-34.00000	-11.00000	99.75000	0.0	0.0	-0.070124
				-33.00000	-11.00000	99.75000	0.0	0.0	-0.079042
				-32.00000	-11.00000	99.75000	0.0	0.0	-0.088744
				-31.00000	-11.00000	99.75000	0.0	0.0	-0.099214
				-30.00000	-11.00000	99.75000	0.0	0.0	-0.11040
				-29.00000	-11.00000	99.75000	0.0	0.0	-0.12218
				-28.00000	-11.00000	99.75000	0.0	0.0	-0.13440
				-27.00000	-11.00000	99.75000	0.0	0.0	-0.14681
				-26.00000	-11.00000	99.75000	0.0	0.0	-0.15910
				-25.00000	-11.00000	99.75000	0.0	0.0	-0.17093
				-24.00000	-11.00000	99.75000	0.0	0.0	-0.18193
				-23.00000	-11.00000	99.75000	0.0	0.0	-0.19175
				-22.00000	-11.00000	99.75000	0.0	0.0	-0.20010
				-21.00000	-11.00000	99.75000	0.0	0.0	-0.20671
				-20.00000	-11.00000	99.75000	0.0	0.0	-0.21143
				-19.00000	-11.00000	99.75000	0.0	0.0	-0.21411
				-18.00000	-11.00000	99.75000	0.0	0.0	-0.21471
				-17.00000	-11.00000	99.75000	0.0	0.0	-0.21320
				-16.00000	-11.00000	99.75000	0.0	0.0	-0.20963
				-15.00000	-11.00000	99.75000	0.0	0.0	-0.20408
				-14.00000	-11.00000	99.75000	0.0	0.0	-0.19670
				-13.00000	-11.00000	99.75000	0.0	0.0	-0.18769
				-12.00000	-11.00000	99.75000	0.0	0.0	-0.17733
				-11.00000	-11.00000	99.75000	0.0	0.0	-0.16594
				-10.00000	-11.00000	99.75000	0.0	0.0	-0.15388
				-9.00000	-11.00000	99.75000	0.0	0.0	-0.14151
				-8.00000	-11.00000	99.75000	0.0	0.0	-0.12916
				-7.00000	-11.00000	99.75000	0.0	0.0	-0.11711
				-6.00000	-11.00000	99.75000	0.0	0.0	-0.10557
				-5.00000	-11.00000	99.75000	0.0	0.0	-0.094686
				-4.00000	-11.00000	99.75000	0.0	0.0	-0.084542
				-3.00000	-11.00000	99.75000	0.0	0.0	-0.075175
				-2.00000	-11.00000	99.75000	0.0	0.0	-0.066589
				-1.00000	-11.00000	99.75000	0.0	0.0	-0.058761
				0.00000	-11.00000	99.75000	0.0	0.0	-0.051653
				1.00000	-11.00000	99.75000	0.0	0.0	0.0
				2.00000	-11.00000	99.75000	0.0	0.0	0.0
				3.00000	-11.00000	99.75000	0.0	0.0	0.0
				4.00000	-11.00000	99.75000	0.0	0.0	0.0
				5.00000	-11.00000	99.75000	0.0	0.0	0.0
				-40.00000	-10.00000	99.75000	0.0	0.0	-0.034221
				-39.00000	-10.00000	99.75000	0.0	0.0	-0.039644
				-38.00000	-10.00000	99.75000	0.0	0.0	-0.045702
				-37.00000	-10.00000	99.75000	0.0	0.0	-0.052465
				-36.00000	-10.00000	99.75000	0.0	0.0	-0.060006
				-35.00000	-10.00000	99.75000	0.0	0.0	-0.068401
				-34.00000	-10.00000	99.75000	0.0	0.0	-0.077723
				-33.00000	-10.00000	99.75000	0.0	0.0	-0.088035
				-32.00000	-10.00000	99.75000	0.0	0.0	-0.099383
				-31.00000	-10.00000	99.75000	0.0	0.0	-0.11178
				-30.00000	-10.00000	99.75000	0.0	0.0	-0.12520
				-29.00000	-10.00000	99.75000	0.0	0.0	-0.13952
				-28.00000	-10.00000	99.75000	0.0	0.0	-0.15456
				-27.00000	-10.00000	99.75000	0.0	0.0	-0.17000
				-26.00000	-10.00000	99.75000	0.0	0.0	-0.18544
				-25.00000	-10.00000	99.75000	0.0	0.0	-0.20039
				-24.00000	-10.00000	99.75000	0.0	0.0	-0.21434
				-23.00000	-10.00000	99.75000	0.0	0.0	-0.22680
				-22.00000	-10.00000	99.75000	0.0	0.0	-0.23737
				-21.00000	-10.00000	99.75000	0.0	0.0	-0.24573
				-20.00000	-10.00000	99.75000	0.0	0.0	-0.25166
				-19.00000	-10.00000	99.75000	0.0	0.0	-0.25504
				-18.00000	-10.00000	99.75000	0.0	0.0	-0.25579
				-17.00000	-10.00000	99.75000	0.0	0.0	-0.25389
				-16.00000	-10.00000	99.75000	0.0	0.0	-0.24940
				-15.00000	-10.00000	99.75000	0.0	0.0	-0.24239
				-14.00000	-10.00000	99.75000	0.0	0.0	-0.23305
				-13.00000	-10.00000	99.75000	0.0	0.0	-0.22164
				-12.00000	-10.00000	99.75000	0.0	0.0	-0.20850



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-11.00000	-10.00000	99.75000	0.0	0.0	-0.19407	*
				-10.00000	-10.00000	99.75000	0.0	0.0	-0.17887	*
				-9.00000	-10.00000	99.75000	0.0	0.0	-0.16339	*
				-8.00000	-10.00000	99.75000	0.0	0.0	-0.14809	*
				-7.00000	-10.00000	99.75000	0.0	0.0	-0.13334	*
				-6.00000	-10.00000	99.75000	0.0	0.0	-0.11939	*
				-5.00000	-10.00000	99.75000	0.0	0.0	-0.10640	*
				-4.00000	-10.00000	99.75000	0.0	0.0	-0.094453	*
				-3.00000	-10.00000	99.75000	0.0	0.0	-0.083551	*
				-2.00000	-10.00000	99.75000	0.0	0.0	-0.073668	*
				-1.00000	-10.00000	99.75000	0.0	0.0	-0.064749	*
				0.00000	-10.00000	99.75000	0.0	0.0	-0.056725	*
				1.00000	-10.00000	99.75000	0.0	0.0	0.0	
				2.00000	-10.00000	99.75000	0.0	0.0	0.0	
				3.00000	-10.00000	99.75000	0.0	0.0	0.0	
				4.00000	-10.00000	99.75000	0.0	0.0	0.0	
				5.00000	-10.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-9.00000	99.75000	0.0	0.0	-0.037067	*
				-39.00000	-9.00000	99.75000	0.0	0.0	-0.043002	*
				-38.00000	-9.00000	99.75000	0.0	0.0	-0.049676	*
				-37.00000	-9.00000	99.75000	0.0	0.0	-0.057181	*
				-36.00000	-9.00000	99.75000	0.0	0.0	-0.065618	*
				-35.00000	-9.00000	99.75000	0.0	0.0	-0.075097	*
				-34.00000	-9.00000	99.75000	0.0	0.0	-0.085730	*
				-33.00000	-9.00000	99.75000	0.0	0.0	-0.097628	*
				-32.00000	-9.00000	99.75000	0.0	0.0	-0.11089	*
				-31.00000	-9.00000	99.75000	0.0	0.0	-0.12558	*
				-30.00000	-9.00000	99.75000	0.0	0.0	-0.14172	*
				-29.00000	-9.00000	99.75000	0.0	0.0	-0.15921	*
				-28.00000	-9.00000	99.75000	0.0	0.0	-0.17786	*
				-27.00000	-9.00000	99.75000	0.0	0.0	-0.19728	*
				-26.00000	-9.00000	99.75000	0.0	0.0	-0.21690	*
				-25.00000	-9.00000	99.75000	0.0	0.0	-0.23604	*
				-24.00000	-9.00000	99.75000	0.0	0.0	-0.25393	*
				-23.00000	-9.00000	99.75000	0.0	0.0	-0.26990	*
				-22.00000	-9.00000	99.75000	0.0	0.0	-0.28339	*
				-21.00000	-9.00000	99.75000	0.0	0.0	-0.29401	*
				-20.00000	-9.00000	99.75000	0.0	0.0	-0.30152	*
				-19.00000	-9.00000	99.75000	0.0	0.0	-0.30577	*
				-18.00000	-9.00000	99.75000	0.0	0.0	-0.30671	*
				-17.00000	-9.00000	99.75000	0.0	0.0	-0.30432	*
				-16.00000	-9.00000	99.75000	0.0	0.0	-0.29864	*
				-15.00000	-9.00000	99.75000	0.0	0.0	-0.28976	*
				-14.00000	-9.00000	99.75000	0.0	0.0	-0.27787	*
				-13.00000	-9.00000	99.75000	0.0	0.0	-0.26327	*
				-12.00000	-9.00000	99.75000	0.0	0.0	-0.24642	*
				-11.00000	-9.00000	99.75000	0.0	0.0	-0.22793	*
				-10.00000	-9.00000	99.75000	0.0	0.083503	-0.19513	*
				-9.00000	-9.00000	99.75000	0.0	0.18134	-0.16167	*
				-8.00000	-9.00000	99.75000	0.0	0.24167	-0.13356	*
				-7.00000	-9.00000	99.75000	-0.020574	0.22312	-0.11666	*
				-6.00000	-9.00000	99.75000	-0.043005	0.14582	-0.10920	*
				-5.00000	-9.00000	99.75000	-0.016932	0.033083	-0.11172	*
				-4.00000	-9.00000	99.75000	0.0	0.0	-0.10511	*
				-3.00000	-9.00000	99.75000	0.0	0.0	-0.092440	*
				-2.00000	-9.00000	99.75000	0.0	0.0	-0.081093	*
				-1.00000	-9.00000	99.75000	0.0	0.0	-0.070964	*
				0.00000	-9.00000	99.75000	0.0	0.0	-0.061940	*
				1.00000	-9.00000	99.75000	0.0	0.0	0.0	
				2.00000	-9.00000	99.75000	0.0	0.0	0.0	
				3.00000	-9.00000	99.75000	0.0	0.0	0.0	
				4.00000	-9.00000	99.75000	0.0	0.0	0.0	
				5.00000	-9.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-8.00000	99.75000	0.0	0.0	-0.039879	*
				-39.00000	-8.00000	99.75000	0.0	0.0	-0.046342	*
				-38.00000	-8.00000	99.75000	0.0	0.0	-0.053655	*
				-37.00000	-8.00000	99.75000	0.0	0.0	-0.061940	*
				-36.00000	-8.00000	99.75000	0.0	0.0	-0.071333	*
				-35.00000	-8.00000	99.75000	0.0	0.0	-0.081984	*
				-34.00000	-8.00000	99.75000	0.0	0.0	-0.094061	*
				-33.00000	-8.00000	99.75000	0.0	0.0	-0.10774	*
				-32.00000	-8.00000	99.75000	0.0	0.0	-0.12320	*
				-31.00000	-8.00000	99.75000	0.0	0.0	-0.14059	*
				-30.00000	-8.00000	99.75000	0.0	0.0	-0.16003	*
				-29.00000	-8.00000	99.75000	0.0	0.0	-0.18150	*
				-28.00000	-8.00000	99.75000	0.0	0.0	-0.20481	*
				-27.00000	-8.00000	99.75000	0.0	0.0	-0.22951	*



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-26.00000	-8.00000	99.75000	0.0	0.0	-0.25480	*
				-25.00000	-8.00000	99.75000	0.0	0.0	-0.27966	*
				-24.00000	-8.00000	99.75000	0.0	0.0	-0.30293	*
				-23.00000	-8.00000	99.75000	0.0	0.0	-0.32361	*
				-22.00000	-8.00000	99.75000	0.0	0.0	-0.34095	*
				-21.00000	-8.00000	99.75000	0.0	0.0	-0.35450	*
				-20.00000	-8.00000	99.75000	0.0	0.0	-0.36400	*
				-19.00000	-8.00000	99.75000	0.0	0.0	-0.36936	*
				-18.00000	-8.00000	99.75000	0.0	0.0	-0.37053	*
				-17.00000	-8.00000	99.75000	0.0	0.0	-0.36752	*
				-16.00000	-8.00000	99.75000	0.0	0.0	-0.36034	*
				-15.00000	-8.00000	99.75000	0.0	0.0	-0.34906	*
				-14.00000	-8.00000	99.75000	0.0	0.0	-0.33384	*
				-13.00000	-8.00000	99.75000	0.0	0.0	-0.31502	*
				-12.00000	-8.00000	99.75000	0.0	0.0062983	-0.29183	*
				-11.00000	-8.00000	99.75000	0.0	0.13683	-0.24859	*
				-10.00000	-8.00000	99.75000	0.0	0.28913	-0.19482	*
				-9.00000	-8.00000	99.75000	0.0	0.44778	-0.12823	*
				-8.00000	-8.00000	99.75000	0.0	0.57500	-0.069925	*
				-7.00000	-8.00000	99.75000	-0.062438	0.53382	-0.051858	*
				-6.00000	-8.00000	99.75000	-0.15361	0.40703	-0.061454	*
				-5.00000	-8.00000	99.75000	-0.16363	0.25081	-0.081368	*
				-4.00000	-8.00000	99.75000	-0.081392	0.088450	-0.096236	*
				-3.00000	-8.00000	99.75000	0.0	0.0	-0.10176	*
				-2.00000	-8.00000	99.75000	0.0	0.0	-0.088780	*
				-1.00000	-8.00000	99.75000	0.0	0.0	-0.077329	*
				0.00000	-8.00000	99.75000	0.0	0.0	-0.067230	*
				1.00000	-8.00000	99.75000	0.0	0.0	0.0	
				2.00000	-8.00000	99.75000	0.0	0.0	0.0	
				3.00000	-8.00000	99.75000	0.0	0.0	0.0	
				4.00000	-8.00000	99.75000	0.0	0.0	0.0	
				5.00000	-8.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-7.00000	99.75000	0.0	0.0	-0.042613	*
				-39.00000	-7.00000	99.75000	0.0	0.0	-0.049608	*
				-38.00000	-7.00000	99.75000	0.0	0.0	-0.057575	*
				-37.00000	-7.00000	99.75000	0.0	0.0	-0.066665	*
				-36.00000	-7.00000	99.75000	0.0	0.0	-0.077056	*
				-35.00000	-7.00000	99.75000	0.0	0.0	-0.088952	*
				-34.00000	-7.00000	99.75000	0.0	0.0	-0.10259	*
				-33.00000	-7.00000	99.75000	0.0	0.0	-0.11823	*
				-32.00000	-7.00000	99.75000	0.0	0.0	-0.13618	*
				-31.00000	-7.00000	99.75000	0.0	0.0	-0.15671	*
				-30.00000	-7.00000	99.75000	0.0	0.0	-0.18011	*
				-29.00000	-7.00000	99.75000	0.0	0.0	-0.20653	*
				-28.00000	-7.00000	99.75000	0.0	0.0	-0.23588	*
				-27.00000	-7.00000	99.75000	0.0	0.0	-0.26768	*
				-26.00000	-7.00000	99.75000	0.0	0.0	-0.30084	*
				-25.00000	-7.00000	99.75000	0.0	0.0	-0.33370	*
				-24.00000	-7.00000	99.75000	0.0	0.0	-0.36444	*
				-23.00000	-7.00000	99.75000	0.0	0.0	-0.39150	*
				-22.00000	-7.00000	99.75000	0.0	0.0	-0.41391	*
				-21.00000	-7.00000	99.75000	0.0	0.0	-0.43119	*
				-20.00000	-7.00000	99.75000	0.0	0.0	-0.44319	*
				-19.00000	-7.00000	99.75000	0.0	0.0	-0.44990	*
				-18.00000	-7.00000	99.75000	0.0	0.0	-0.45136	*
				-17.00000	-7.00000	99.75000	0.0	0.0	-0.44758	*
				-16.00000	-7.00000	99.75000	0.0	0.0	-0.43854	*
				-15.00000	-7.00000	99.75000	0.0	0.0	-0.42423	*
				-14.00000	-7.00000	99.75000	0.0	0.0	-0.40471	*
				-13.00000	-7.00000	99.75000	0.0	0.0	-0.38025	*
				-12.00000	-7.00000	99.75000	0.0	0.091100	-0.33785	*
				-11.00000	-7.00000	99.75000	0.0	0.23685	-0.27533	*
				-10.00000	-7.00000	99.75000	0.0	0.43140	-0.17034	*
				-9.00000	-7.00000	99.75000	0.0	0.67227	-0.020222	*
				-8.00000	-7.00000	99.75000	0.0	0.90833	0.12181	*
				-7.00000	-7.00000	99.75000	-0.13245	0.82929	0.13705	*
				-6.00000	-7.00000	99.75000	-0.32582	0.62733	0.075549	*
				-5.00000	-7.00000	99.75000	-0.36959	0.41796	-0.012438	*
				-4.00000	-7.00000	99.75000	-0.27444	0.22567	-0.070706	*
				-3.00000	-7.00000	99.75000	-0.076958	0.059857	-0.095470	*
				-2.00000	-7.00000	99.75000	0.0	0.0	-0.096611	*
				-1.00000	-7.00000	99.75000	0.0	0.0	-0.083741	*
				0.00000	-7.00000	99.75000	0.0	0.0	-0.072508	*
				1.00000	-7.00000	99.75000	0.0	0.0	0.0	
				2.00000	-7.00000	99.75000	0.0	0.0	0.0	
				3.00000	-7.00000	99.75000	0.0	0.0	0.0	
				4.00000	-7.00000	99.75000	0.0	0.0	0.0	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				5.00000	-7.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-6.00000	99.75000	0.0	0.0	-0.045220	*
				-39.00000	-6.00000	99.75000	0.0	0.0	-0.052741	*
				-38.00000	-6.00000	99.75000	0.0	0.0	-0.061359	*
				-37.00000	-6.00000	99.75000	0.0	0.0	-0.071261	*
				-36.00000	-6.00000	99.75000	0.0	0.0	-0.082671	*
				-35.00000	-6.00000	99.75000	0.0	0.0	-0.095858	*
				-34.00000	-6.00000	99.75000	0.0	0.0	-0.11114	*
				-33.00000	-6.00000	99.75000	0.010580	0.023723	-0.12322	*
				-32.00000	-6.00000	99.75000	0.0	0.11667	-0.13183	*
				-31.00000	-6.00000	99.75000	0.0	0.11667	-0.15593	*
				-30.00000	-6.00000	99.75000	0.0	0.11667	-0.18398	*
				-29.00000	-6.00000	99.75000	0.0	0.11667	-0.21647	*
				-28.00000	-6.00000	99.75000	0.0	0.11667	-0.25362	*
				-27.00000	-6.00000	99.75000	0.0	0.11667	-0.29505	*
				-26.00000	-6.00000	99.75000	0.0	0.11667	-0.33930	*
				-25.00000	-6.00000	99.75000	0.0	0.11667	-0.38364	*
				-24.00000	-6.00000	99.75000	0.0	0.11667	-0.42489	*
				-23.00000	-6.00000	99.75000	0.0	0.11667	-0.46062	*
				-22.00000	-6.00000	99.75000	-0.0038761	0.11191	-0.48976	*
				-21.00000	-6.00000	99.75000	-0.0060750	0.012108	-0.52608	*
				-20.00000	-6.00000	99.75000	0.0	0.0	-0.54436	*
				-19.00000	-6.00000	99.75000	0.0	0.0	-0.55269	*
				-18.00000	-6.00000	99.75000	0.0	0.0	-0.55448	*
				-17.00000	-6.00000	99.75000	0.0	0.0	-0.54978	*
				-16.00000	-6.00000	99.75000	0.0	0.0	-0.53850	*
				-15.00000	-6.00000	99.75000	0.0	0.0	-0.52046	*
				-14.00000	-6.00000	99.75000	0.0	0.0	-0.49546	*
				-13.00000	-6.00000	99.75000	0.0	0.021282	-0.46005	*
				-12.00000	-6.00000	99.75000	0.013858	0.14796	-0.39875	*
				-11.00000	-6.00000	99.75000	0.0	0.36514	-0.29890	*
				-10.00000	-6.00000	99.75000	0.0	0.57880	-0.13167	*
				-9.00000	-6.00000	99.75000	0.0	0.91841	0.15552	*
				-8.00000	-6.00000	99.75000	0.0	1.3536	0.50119	*
				-7.00000	-6.00000	99.75000	-0.27241	1.0990	0.49067	*
				-6.00000	-6.00000	99.75000	-0.61932	0.76518	0.32229	*
				-5.00000	-6.00000	99.75000	-0.65388	0.50857	0.11382	*
				-4.00000	-6.00000	99.75000	-0.44619	0.34704	-0.019809	*
				-3.00000	-6.00000	99.75000	-0.23850	0.18550	-0.074845	*
				-2.00000	-6.00000	99.75000	-0.030805	0.023959	-0.097333	*
				-1.00000	-6.00000	99.75000	0.0	0.0	-0.090070	*
				0.00000	-6.00000	99.75000	0.0	0.0	-0.077668	*
				1.00000	-6.00000	99.75000	0.0	0.0	0.0	
				2.00000	-6.00000	99.75000	0.0	0.0	0.0	
				3.00000	-6.00000	99.75000	0.0	0.0	0.0	
				4.00000	-6.00000	99.75000	0.0	0.0	0.0	
				5.00000	-6.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-5.00000	99.75000	0.0	0.0	-0.047648	*
				-39.00000	-5.00000	99.75000	0.0	0.0	-0.055674	*
				-38.00000	-5.00000	99.75000	0.0	0.0	-0.064923	*
				-37.00000	-5.00000	99.75000	0.0	0.0	-0.075621	*
				-36.00000	-5.00000	99.75000	0.0	0.0	-0.088043	*
				-35.00000	-5.00000	99.75000	0.0	0.0	-0.10253	*
				-34.00000	-5.00000	99.75000	0.013844	0.0050994	-0.11612	*
				-33.00000	-5.00000	99.75000	0.16087	0.14068	-0.050458	*
				-32.00000	-5.00000	99.75000	0.0	0.45000	0.069367	*
				-31.00000	-5.00000	99.75000	0.0	0.45000	0.041357	*
				-30.00000	-5.00000	99.75000	0.0	0.45000	0.0080105	*
				-29.00000	-5.00000	99.75000	0.0	0.45000	-0.031686	*
				-28.00000	-5.00000	99.75000	0.0	0.45000	-0.078622	*
				-27.00000	-5.00000	99.75000	0.0	0.45000	-0.13301	*
				-26.00000	-5.00000	99.75000	0.0	0.45000	-0.19338	*
				-25.00000	-5.00000	99.75000	0.0	0.45000	-0.25507	*
				-24.00000	-5.00000	99.75000	0.0	0.45000	-0.31134	*
				-23.00000	-5.00000	99.75000	0.0	0.45000	-0.35858	*
				-22.00000	-5.00000	99.75000	-0.031571	0.49992	-0.38565	*
				-21.00000	-5.00000	99.75000	-0.15565	0.20393	-0.57017	*
				-20.00000	-5.00000	99.75000	0.0	0.083333	-0.66188	*
				-19.00000	-5.00000	99.75000	0.0	0.083333	-0.67205	*
				-18.00000	-5.00000	99.75000	0.0	0.083333	-0.67422	*
				-17.00000	-5.00000	99.75000	0.0	0.083333	-0.66846	*
				-16.00000	-5.00000	99.75000	0.0	0.083333	-0.65458	*
				-15.00000	-5.00000	99.75000	0.0	0.083333	-0.63212	*
				-14.00000	-5.00000	99.75000	0.0	0.083333	-0.60042	*
				-13.00000	-5.00000	99.75000	0.035349	0.11777	-0.54800	*
				-12.00000	-5.00000	99.75000	0.16287	0.31782	-0.38740	*
				-11.00000	-5.00000	99.75000	0.0	0.60418	-0.17708	*



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-10.00000	-5.00000	99.75000	0.0	0.75795	-0.0041538	*
				-9.00000	-5.00000	99.75000	0.0	1.1155	0.37164	*
				-8.00000	-5.00000	99.75000	0.0	1.9916	1.2178	*
				-7.00000	-5.00000	99.75000	-0.67398	1.3228	1.0006	*
				-6.00000	-5.00000	99.75000	-1.0231	0.79575	0.61049	*
				-5.00000	-5.00000	99.75000	-0.81542	0.63422	0.29284	*
				-4.00000	-5.00000	99.75000	-0.60773	0.47268	0.080866	*
				-3.00000	-5.00000	99.75000	-0.40004	0.31114	-0.032293	*
				-2.00000	-5.00000	99.75000	-0.19234	0.14960	-0.075461	*
				-1.00000	-5.00000	99.75000	0.0	0.0	-0.096157	*
				0.00000	-5.00000	99.75000	0.0	0.0	-0.082588	*
				1.00000	-5.00000	99.75000	0.0	0.0	0.0	
				2.00000	-5.00000	99.75000	0.0	0.0	0.0	
				3.00000	-5.00000	99.75000	0.0	0.0	0.0	
				4.00000	-5.00000	99.75000	0.0	0.0	0.0	
				5.00000	-5.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-4.00000	99.75000	0.0	0.0	-0.049842	*
				-39.00000	-4.00000	99.75000	0.0	0.0	-0.058338	*
				-38.00000	-4.00000	99.75000	0.0	0.0	-0.068179	*
				-37.00000	-4.00000	99.75000	0.0	0.0	-0.079630	*
				-36.00000	-4.00000	99.75000	0.0	0.0	-0.093020	*
				-35.00000	-4.00000	99.75000	0.0	0.0	-0.10876	*
				-34.00000	-4.00000	99.75000	0.083333	0.0	-0.11485	*
				-33.00000	-4.00000	99.75000	0.41667	0.0	0.042948	*
				-32.00000	-4.00000	99.75000	0.75000	0.0	0.57370	*
				-31.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-4.00000	99.75000	-0.71667	0.41667	0.031726	*
				-21.00000	-4.00000	99.75000	-0.38333	0.41667	-0.52892	*
				-20.00000	-4.00000	99.75000	-0.050000	0.41667	-0.70016	*
				-19.00000	-4.00000	99.75000	0.0	0.41667	-0.71988	*
				-18.00000	-4.00000	99.75000	0.0	0.41667	-0.72209	*
				-17.00000	-4.00000	99.75000	0.0	0.41667	-0.71485	*
				-16.00000	-4.00000	99.75000	0.0	0.41667	-0.69782	*
				-15.00000	-4.00000	99.75000	0.0	0.41667	-0.67012	*
				-14.00000	-4.00000	99.75000	0.0	0.41667	-0.63041	*
				-13.00000	-4.00000	99.75000	0.11667	0.41667	-0.55925	*
				-12.00000	-4.00000	99.75000	0.45000	0.41667	-0.27550	*
				-11.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-4.00000	99.75000	0.0	0.0	-0.32737	*
				-7.00000	-4.00000	99.75000	-1.3923	1.0829	1.3822	*
				-6.00000	-4.00000	99.75000	-1.1847	0.92140	0.92962	*
				-5.00000	-4.00000	99.75000	-0.97696	0.75986	0.53954	*
				-4.00000	-4.00000	99.75000	-0.76927	0.59832	0.24466	*
				-3.00000	-4.00000	99.75000	-0.56157	0.43678	0.055534	*
				-2.00000	-4.00000	99.75000	-0.35511	0.27182	-0.039421	*
				-1.00000	-4.00000	99.75000	-0.14281	0.085097	-0.075693	*
				0.00000	-4.00000	99.75000	0.0	0.0	-0.087130	*
				1.00000	-4.00000	99.75000	0.0	0.0	0.0	
				2.00000	-4.00000	99.75000	0.0	0.0	0.0	
				3.00000	-4.00000	99.75000	0.0	0.0	0.0	
				4.00000	-4.00000	99.75000	0.0	0.0	0.0	
				5.00000	-4.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-3.00000	99.75000	0.0	0.0	-0.051750	*
				-39.00000	-3.00000	99.75000	0.0	0.0	-0.060664	*
				-38.00000	-3.00000	99.75000	0.0	0.0	-0.071037	*
				-37.00000	-3.00000	99.75000	0.0	0.0	-0.083169	*
				-36.00000	-3.00000	99.75000	0.0	0.0	-0.097440	*
				-35.00000	-3.00000	99.75000	0.0	0.0	-0.11434	*
				-34.00000	-3.00000	99.75000	0.083333	0.0	-0.12197	*
				-33.00000	-3.00000	99.75000	0.41667	0.0	0.033751	*
				-32.00000	-3.00000	99.75000	0.75000	0.0	0.56165	*
				-31.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-3.00000	99.75000	Point lies	within an	excavation.	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
ATDate
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-25.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-3.00000	99.75000	-0.71667	0.75000	-0.72970	*
				-21.00000	-3.00000	99.75000	-0.38333	0.75000	-1.2963	*
				-20.00000	-3.00000	99.75000	-0.050000	0.75000	-1.4709	*
				-19.00000	-3.00000	99.75000	0.0	0.75000	-1.4920	*
				-18.00000	-3.00000	99.75000	0.0	0.75000	-1.4941	*
				-17.00000	-3.00000	99.75000	0.0	0.75000	-1.4851	*
				-16.00000	-3.00000	99.75000	0.0	0.75000	-1.4647	*
				-15.00000	-3.00000	99.75000	0.0	0.75000	-1.4314	*
				-14.00000	-3.00000	99.75000	0.0	0.75000	-1.3831	*
				-13.00000	-3.00000	99.75000	0.11667	0.75000	-1.2990	*
				-12.00000	-3.00000	99.75000	0.45000	0.75000	-0.99229	*
				-11.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-3.00000	99.75000	0.0	0.0	-0.36389	*
				-7.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-3.00000	99.75000	-1.3462	1.0470	1.2929	*
				-5.00000	-3.00000	99.75000	-1.1385	0.88550	0.84914	*
				-4.00000	-3.00000	99.75000	-0.93080	0.72396	0.47685	*
				-3.00000	-3.00000	99.75000	-0.74404	0.49929	0.20166	*
				-2.00000	-3.00000	99.75000	-0.53868	0.25511	0.020891	*
				-1.00000	-3.00000	99.75000	-0.28191	0.10243	-0.058404	*
				0.00000	-3.00000	99.75000	0.0	0.0	-0.091156	*
				1.00000	-3.00000	99.75000	0.0	0.0	0.0	
				2.00000	-3.00000	99.75000	0.0	0.0	0.0	
				3.00000	-3.00000	99.75000	0.0	0.0	0.0	
				4.00000	-3.00000	99.75000	0.0	0.0	0.0	
				5.00000	-3.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-2.00000	99.75000	0.0	0.0	-0.053321	*
				-39.00000	-2.00000	99.75000	0.0	0.0	-0.062588	*
				-38.00000	-2.00000	99.75000	0.0	0.0	-0.073410	*
				-37.00000	-2.00000	99.75000	0.0	0.0	-0.086121	*
				-36.00000	-2.00000	99.75000	0.0	0.0	-0.10115	*
				-35.00000	-2.00000	99.75000	0.0	0.0	-0.11905	*
				-34.00000	-2.00000	99.75000	0.083333	0.0	-0.12802	*
				-33.00000	-2.00000	99.75000	0.41667	0.0	0.025870	*
				-32.00000	-2.00000	99.75000	0.75000	0.0	0.55123	*
				-31.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-21.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-20.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-19.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-18.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-17.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-16.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-15.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-14.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-13.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-12.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-11.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-2.00000	99.75000	0.0	0.0	-0.39655	*
				-7.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	-2.00000	99.75000	-1.3000	1.0111	1.2089	*
				-4.00000	-2.00000	99.75000	-1.1997	0.51630	0.74771	*
				-3.00000	-2.00000	99.75000	-0.97942	0.24166	0.33609	*
				-2.00000	-2.00000	99.75000	-0.69275	0.11963	0.072126	*
				-1.00000	-2.00000	99.75000	-0.38295	0.050958	-0.045579	*
				0.00000	-2.00000	99.75000	-0.062558	0.0067848	-0.083543	*
				1.00000	-2.00000	99.75000	0.0	0.0	0.0	
				2.00000	-2.00000	99.75000	0.0	0.0	0.0	
				3.00000	-2.00000	99.75000	0.0	0.0	0.0	
				4.00000	-2.00000	99.75000	0.0	0.0	0.0	
				5.00000	-2.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
ATDate
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-40.00000	-1.00000	99.75000	0.0	0.0	-0.054514	*
				-39.00000	-1.00000	99.75000	0.0	0.0	-0.064052	*
				-38.00000	-1.00000	99.75000	0.0	0.0	-0.075221	*
				-37.00000	-1.00000	99.75000	0.0	0.0	-0.088383	*
				-36.00000	-1.00000	99.75000	0.0	0.0	-0.10400	*
				-35.00000	-1.00000	99.75000	0.0	0.0	-0.12269	*
				-34.00000	-1.00000	99.75000	0.083333	0.0	-0.13273	*
				-33.00000	-1.00000	99.75000	0.41667	0.0	0.019707	*
				-32.00000	-1.00000	99.75000	0.75000	0.0	0.54304	*
				-31.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-30.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-29.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-28.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-27.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-26.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-25.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-24.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-23.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-22.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-21.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-20.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-19.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-18.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-17.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-16.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-8.00000	-1.00000	99.75000	0.0	0.0	-0.42241	*
				-7.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-6.00000	-1.00000	99.75000	Point lies	within	an excavation.	*
				-5.00000	-1.00000	99.75000	-1.7464	0.091918	1.3961	*
				-4.00000	-1.00000	99.75000	-1.4140	0.074423	0.82093	*
				-3.00000	-1.00000	99.75000	-1.0816	0.056927	0.36894	*
				-2.00000	-1.00000	99.75000	-0.74920	0.039432	0.084816	*
				-1.00000	-1.00000	99.75000	-0.41679	0.021936	-0.043184	*
				0.00000	-1.00000	99.75000	-0.084379	0.0044410	-0.083082	*
				1.00000	-1.00000	99.75000	0.0	0.0	0.0	*
				2.00000	-1.00000	99.75000	0.0	0.0	0.0	*
				3.00000	-1.00000	99.75000	0.0	0.0	0.0	*
				4.00000	-1.00000	99.75000	0.0	0.0	0.0	*
				5.00000	-1.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	0.00000	99.75000	0.0	0.0	-0.055294	*
				-39.00000	0.00000	99.75000	0.0	0.0	-0.065011	*
				-38.00000	0.00000	99.75000	0.0	0.0	-0.076411	*
				-37.00000	0.00000	99.75000	0.0	0.0	-0.089873	*
				-36.00000	0.00000	99.75000	0.0	0.0	-0.10589	*
				-35.00000	0.00000	99.75000	0.0	0.0	-0.12510	*
				-34.00000	0.00000	99.75000	0.083333	0.0	-0.13585	*
				-33.00000	0.00000	99.75000	0.41667	0.0	0.015594	*
				-32.00000	0.00000	99.75000	0.75000	0.0	0.53755	*
				-31.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-30.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-29.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-28.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-27.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-26.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-25.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-24.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-23.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-22.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-21.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-20.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-19.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-18.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-17.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-16.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	0.00000	99.75000	Point lies	within	an excavation.	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-9.00000	0.00000	99.75000	Point lies within an excavation.			*
				-8.00000	0.00000	99.75000	0.0	0.0	-0.43960	*
				-7.00000	0.00000	99.75000	Point lies within an excavation.			*
				-6.00000	0.00000	99.75000	Point lies within an excavation.			*
				-5.00000	0.00000	99.75000	-1.7639	0.092839	1.4239	*
				-4.00000	0.00000	99.75000	-1.4315	0.075343	0.84574	*
				-3.00000	0.00000	99.75000	-1.0991	0.057848	0.38650	*
				-2.00000	0.00000	99.75000	-0.76670	0.040353	0.093937	*
				-1.00000	0.00000	99.75000	-0.43429	0.022857	-0.040654	*
				0.00000	0.00000	99.75000	-0.10187	0.0053618	-0.082281	*
				1.00000	0.00000	99.75000	0.0	0.0	0.0	*
				2.00000	0.00000	99.75000	0.0	0.0	0.0	*
				3.00000	0.00000	99.75000	0.0	0.0	0.0	*
				4.00000	0.00000	99.75000	0.0	0.0	0.0	*
				5.00000	0.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	1.00000	99.75000	0.0	0.0	-0.055638	*
				-39.00000	1.00000	99.75000	0.0	0.0	-0.065434	*
				-38.00000	1.00000	99.75000	0.0	0.0	-0.076937	*
				-37.00000	1.00000	99.75000	0.0	0.0	-0.090532	*
				-36.00000	1.00000	99.75000	0.0	0.0	-0.10672	*
				-35.00000	1.00000	99.75000	0.0	0.0	-0.12617	*
				-34.00000	1.00000	99.75000	0.083333	0.0	-0.13725	*
				-33.00000	1.00000	99.75000	0.41667	0.0	0.013760	*
				-32.00000	1.00000	99.75000	0.75000	0.0	0.53510	*
				-31.00000	1.00000	99.75000	Point lies within an excavation.			*
				-30.00000	1.00000	99.75000	Point lies within an excavation.			*
				-29.00000	1.00000	99.75000	Point lies within an excavation.			*
				-28.00000	1.00000	99.75000	Point lies within an excavation.			*
				-27.00000	1.00000	99.75000	Point lies within an excavation.			*
				-26.00000	1.00000	99.75000	Point lies within an excavation.			*
				-25.00000	1.00000	99.75000	Point lies within an excavation.			*
				-24.00000	1.00000	99.75000	Point lies within an excavation.			*
				-23.00000	1.00000	99.75000	Point lies within an excavation.			*
				-22.00000	1.00000	99.75000	Point lies within an excavation.			*
				-21.00000	1.00000	99.75000	Point lies within an excavation.			*
				-20.00000	1.00000	99.75000	Point lies within an excavation.			*
				-19.00000	1.00000	99.75000	Point lies within an excavation.			*
				-18.00000	1.00000	99.75000	Point lies within an excavation.			*
				-17.00000	1.00000	99.75000	Point lies within an excavation.			*
				-16.00000	1.00000	99.75000	Point lies within an excavation.			*
				-15.00000	1.00000	99.75000	Point lies within an excavation.			*
				-14.00000	1.00000	99.75000	Point lies within an excavation.			*
				-13.00000	1.00000	99.75000	Point lies within an excavation.			*
				-12.00000	1.00000	99.75000	Point lies within an excavation.			*
				-11.00000	1.00000	99.75000	Point lies within an excavation.			*
				-10.00000	1.00000	99.75000	Point lies within an excavation.			*
				-9.00000	1.00000	99.75000	Point lies within an excavation.			*
				-8.00000	1.00000	99.75000	0.0	0.0	-0.44722	*
				-7.00000	1.00000	99.75000	Point lies within an excavation.			*
				-6.00000	1.00000	99.75000	Point lies within an excavation.			*
				-5.00000	1.00000	99.75000	-1.7814	0.093760	1.4554	*
				-4.00000	1.00000	99.75000	-1.4490	0.076264	0.87360	*
				-3.00000	1.00000	99.75000	-1.1166	0.058769	0.40658	*
				-2.00000	1.00000	99.75000	-0.78419	0.041273	0.10508	*
				-1.00000	1.00000	99.75000	-0.45178	0.023778	-0.036636	*
				0.00000	1.00000	99.75000	-0.11937	0.0062826	-0.080588	*
				1.00000	1.00000	99.75000	0.0	0.0	0.0	*
				2.00000	1.00000	99.75000	0.0	0.0	0.0	*
				3.00000	1.00000	99.75000	0.0	0.0	0.0	*
				4.00000	1.00000	99.75000	0.0	0.0	0.0	*
				5.00000	1.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	2.00000	99.75000	0.0	0.0	-0.055536	*
				-39.00000	2.00000	99.75000	0.0	0.0	-0.065309	*
				-38.00000	2.00000	99.75000	0.0	0.0	-0.076781	*
				-37.00000	2.00000	99.75000	0.0	0.0	-0.090336	*
				-36.00000	2.00000	99.75000	0.0	0.0	-0.10648	*
				-35.00000	2.00000	99.75000	0.0	0.0	-0.12586	*
				-34.00000	2.00000	99.75000	0.083333	0.0	-0.13683	*
				-33.00000	2.00000	99.75000	0.41667	0.0	0.014306	*
				-32.00000	2.00000	99.75000	0.75000	0.0	0.53583	*
				-31.00000	2.00000	99.75000	Point lies within an excavation.			*
				-30.00000	2.00000	99.75000	Point lies within an excavation.			*
				-29.00000	2.00000	99.75000	Point lies within an excavation.			*
				-28.00000	2.00000	99.75000	Point lies within an excavation.			*
				-27.00000	2.00000	99.75000	Point lies within an excavation.			*
				-26.00000	2.00000	99.75000	Point lies within an excavation.			*
				-25.00000	2.00000	99.75000	Point lies within an excavation.			*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
May by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-24.00000	2.00000	99.75000	Point lies within an excavation.			*
				-23.00000	2.00000	99.75000	Point lies within an excavation.			*
				-22.00000	2.00000	99.75000	Point lies within an excavation.			*
				-21.00000	2.00000	99.75000	Point lies within an excavation.			*
				-20.00000	2.00000	99.75000	Point lies within an excavation.			*
				-19.00000	2.00000	99.75000	Point lies within an excavation.			*
				-18.00000	2.00000	99.75000	Point lies within an excavation.			*
				-17.00000	2.00000	99.75000	Point lies within an excavation.			*
				-16.00000	2.00000	99.75000	Point lies within an excavation.			*
				-15.00000	2.00000	99.75000	Point lies within an excavation.			*
				-14.00000	2.00000	99.75000	Point lies within an excavation.			*
				-13.00000	2.00000	99.75000	Point lies within an excavation.			*
				-12.00000	2.00000	99.75000	Point lies within an excavation.			*
				-11.00000	2.00000	99.75000	Point lies within an excavation.			*
				-10.00000	2.00000	99.75000	Point lies within an excavation.			*
				-9.00000	2.00000	99.75000	Point lies within an excavation.			*
				-8.00000	2.00000	99.75000	0.0	0.0	-0.44498	*
				-7.00000	2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	2.00000	99.75000	-1.7989	0.094680	1.4907	*
				-4.00000	2.00000	99.75000	-1.4665	0.077185	0.90463	*
				-3.00000	2.00000	99.75000	-1.1341	0.059690	0.42927	*
				-2.00000	2.00000	99.75000	-0.80169	0.042194	0.11830	*
				-1.00000	2.00000	99.75000	-0.46928	0.024699	-0.031072	*
				0.00000	2.00000	99.75000	-0.13687	0.0072034	-0.077950	*
				1.00000	2.00000	99.75000	0.0	0.0	0.0	*
				2.00000	2.00000	99.75000	0.0	0.0	0.0	*
				3.00000	2.00000	99.75000	0.0	0.0	0.0	*
				4.00000	2.00000	99.75000	0.0	0.0	0.0	*
				5.00000	2.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	3.00000	99.75000	0.0	0.0	-0.054990	*
				-39.00000	3.00000	99.75000	0.0	0.0	-0.064637	*
				-38.00000	3.00000	99.75000	0.0	0.0	-0.075947	*
				-37.00000	3.00000	99.75000	0.0	0.0	-0.089292	*
				-36.00000	3.00000	99.75000	0.0	0.0	-0.10515	*
				-35.00000	3.00000	99.75000	0.0	0.0	-0.12416	*
				-34.00000	3.00000	99.75000	0.083333	0.0	-0.13463	*
				-33.00000	3.00000	99.75000	0.41667	0.0	0.017201	*
				-32.00000	3.00000	99.75000	0.75000	0.0	0.53969	*
				-31.00000	3.00000	99.75000	Point lies within an excavation.			*
				-30.00000	3.00000	99.75000	Point lies within an excavation.			*
				-29.00000	3.00000	99.75000	Point lies within an excavation.			*
				-28.00000	3.00000	99.75000	Point lies within an excavation.			*
				-27.00000	3.00000	99.75000	Point lies within an excavation.			*
				-26.00000	3.00000	99.75000	Point lies within an excavation.			*
				-25.00000	3.00000	99.75000	Point lies within an excavation.			*
				-24.00000	3.00000	99.75000	Point lies within an excavation.			*
				-23.00000	3.00000	99.75000	Point lies within an excavation.			*
				-22.00000	3.00000	99.75000	Point lies within an excavation.			*
				-21.00000	3.00000	99.75000	Point lies within an excavation.			*
				-20.00000	3.00000	99.75000	Point lies within an excavation.			*
				-19.00000	3.00000	99.75000	Point lies within an excavation.			*
				-18.00000	3.00000	99.75000	Point lies within an excavation.			*
				-17.00000	3.00000	99.75000	Point lies within an excavation.			*
				-16.00000	3.00000	99.75000	Point lies within an excavation.			*
				-15.00000	3.00000	99.75000	Point lies within an excavation.			*
				-14.00000	3.00000	99.75000	Point lies within an excavation.			*
				-13.00000	3.00000	99.75000	Point lies within an excavation.			*
				-12.00000	3.00000	99.75000	Point lies within an excavation.			*
				-11.00000	3.00000	99.75000	Point lies within an excavation.			*
				-10.00000	3.00000	99.75000	Point lies within an excavation.			*
				-9.00000	3.00000	99.75000	Point lies within an excavation.			*
				-8.00000	3.00000	99.75000	0.0	0.0	-0.43297	*
				-7.00000	3.00000	99.75000	Point lies within an excavation.			*
				-6.00000	3.00000	99.75000	Point lies within an excavation.			*
				-5.00000	3.00000	99.75000	-1.8164	0.095601	1.5298	*
				-4.00000	3.00000	99.75000	-1.4840	0.078106	0.93877	*
				-3.00000	3.00000	99.75000	-1.1516	0.060610	0.45454	*
				-2.00000	3.00000	99.75000	-0.81919	0.043115	0.13360	*
				-1.00000	3.00000	99.75000	-0.48677	0.025620	-0.023963	*
				0.00000	3.00000	99.75000	-0.15436	0.0081242	-0.074355	*
				1.00000	3.00000	99.75000	0.0	0.0	0.0	*
				2.00000	3.00000	99.75000	0.0	0.0	0.0	*
				3.00000	3.00000	99.75000	0.0	0.0	0.0	*
				4.00000	3.00000	99.75000	0.0	0.0	0.0	*
				5.00000	3.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	4.00000	99.75000	0.0	0.0	-0.054018	*



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-39.00000	4.00000	99.75000	0.0	0.0	-0.063443	*
				-38.00000	4.00000	99.75000	0.0	0.0	-0.074467	*
				-37.00000	4.00000	99.75000	0.0	0.0	-0.087440	*
				-36.00000	4.00000	99.75000	0.0	0.0	-0.10281	*
				-35.00000	4.00000	99.75000	0.0	0.0	-0.12117	*
				-34.00000	4.00000	99.75000	0.083333	0.0	-0.13076	*
				-33.00000	4.00000	99.75000	0.41667	0.0	0.022286	*
				-32.00000	4.00000	99.75000	0.75000	0.0	0.54647	*
				-31.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-30.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-29.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-28.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-27.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-26.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-25.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-24.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-23.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-22.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-21.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-20.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-19.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-18.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-17.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-16.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-8.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-7.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-6.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-5.00000	4.00000	99.75000	-1.8339	0.096522	1.5723	*
				-4.00000	4.00000	99.75000	-1.5015	0.079027	0.97582	*
				-3.00000	4.00000	99.75000	-1.1691	0.061531	0.48224	*
				-2.00000	4.00000	99.75000	-0.83668	0.044036	0.15088	*
				-1.00000	4.00000	99.75000	-0.50427	0.026540	-0.015364	*
				0.00000	4.00000	99.75000	-0.17186	0.0090450	-0.069830	*
				1.00000	4.00000	99.75000	0.0	0.0	0.0	*
				2.00000	4.00000	99.75000	0.0	0.0	0.0	*
				3.00000	4.00000	99.75000	0.0	0.0	0.0	*
				4.00000	4.00000	99.75000	0.0	0.0	0.0	*
				5.00000	4.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	5.00000	99.75000	0.0	0.0	-0.052647	*
				-39.00000	5.00000	99.75000	0.0	0.0	-0.061762	*
				-38.00000	5.00000	99.75000	0.0	0.0	-0.072390	*
				-37.00000	5.00000	99.75000	0.0	0.0	-0.084851	*
				-36.00000	5.00000	99.75000	0.0	0.0	-0.099551	*
				-35.00000	5.00000	99.75000	0.0	0.0	-0.11702	*
				-34.00000	5.00000	99.75000	0.083333	0.0	-0.12540	*
				-33.00000	5.00000	99.75000	0.41667	0.0	0.029283	*
				-32.00000	5.00000	99.75000	0.75000	0.0	0.55575	*
				-31.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-30.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-29.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-28.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-27.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-26.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-25.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-24.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-23.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-22.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-21.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-20.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-19.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-18.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-17.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-16.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	5.00000	99.75000	Point lies	within	an excavation.	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-8.00000	5.00000	99.75000	Point lies within an excavation.			*
				-7.00000	5.00000	99.75000	Point lies within an excavation.			*
				-6.00000	5.00000	99.75000	Point lies within an excavation.			*
				-5.00000	5.00000	99.75000	-1.8514	0.097443	1.6179	*
				-4.00000	5.00000	99.75000	-1.5190	0.079947	1.0154	*
				-3.00000	5.00000	99.75000	-1.1866	0.062452	0.51213	*
				-2.00000	5.00000	99.75000	-0.85418	0.044957	0.16997	*
				-1.00000	5.00000	99.75000	-0.52176	0.027461	-0.0053799	*
				0.00000	5.00000	99.75000	-0.18935	0.0099659	-0.064440	*
				1.00000	5.00000	99.75000	0.0	0.0	0.0	*
				2.00000	5.00000	99.75000	0.0	0.0	0.0	*
				3.00000	5.00000	99.75000	0.0	0.0	0.0	*
				4.00000	5.00000	99.75000	0.0	0.0	0.0	*
				5.00000	5.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	6.00000	99.75000	0.0	0.0	-0.050916	*
				-39.00000	6.00000	99.75000	0.0	0.0	-0.059647	*
				-38.00000	6.00000	99.75000	0.0	0.0	-0.069785	*
				-37.00000	6.00000	99.75000	0.0	0.0	-0.081616	*
				-36.00000	6.00000	99.75000	0.0	0.0	-0.095498	*
				-35.00000	6.00000	99.75000	0.0	0.0	-0.11188	*
				-34.00000	6.00000	99.75000	0.083333	0.0	-0.11883	*
				-33.00000	6.00000	99.75000	0.41667	0.0	0.037820	*
				-32.00000	6.00000	99.75000	0.75000	0.0	0.56699	*
				-31.00000	6.00000	99.75000	Point lies within an excavation.			*
				-30.00000	6.00000	99.75000	Point lies within an excavation.			*
				-29.00000	6.00000	99.75000	Point lies within an excavation.			*
				-28.00000	6.00000	99.75000	Point lies within an excavation.			*
				-27.00000	6.00000	99.75000	Point lies within an excavation.			*
				-26.00000	6.00000	99.75000	Point lies within an excavation.			*
				-25.00000	6.00000	99.75000	Point lies within an excavation.			*
				-24.00000	6.00000	99.75000	Point lies within an excavation.			*
				-23.00000	6.00000	99.75000	Point lies within an excavation.			*
				-22.00000	6.00000	99.75000	Point lies within an excavation.			*
				-21.00000	6.00000	99.75000	Point lies within an excavation.			*
				-20.00000	6.00000	99.75000	Point lies within an excavation.			*
				-19.00000	6.00000	99.75000	Point lies within an excavation.			*
				-18.00000	6.00000	99.75000	Point lies within an excavation.			*
				-17.00000	6.00000	99.75000	Point lies within an excavation.			*
				-16.00000	6.00000	99.75000	Point lies within an excavation.			*
				-15.00000	6.00000	99.75000	Point lies within an excavation.			*
				-14.00000	6.00000	99.75000	Point lies within an excavation.			*
				-13.00000	6.00000	99.75000	Point lies within an excavation.			*
				-12.00000	6.00000	99.75000	Point lies within an excavation.			*
				-11.00000	6.00000	99.75000	Point lies within an excavation.			*
				-10.00000	6.00000	99.75000	Point lies within an excavation.			*
				-9.00000	6.00000	99.75000	Point lies within an excavation.			*
				-8.00000	6.00000	99.75000	Point lies within an excavation.			*
				-7.00000	6.00000	99.75000	Point lies within an excavation.			*
				-6.00000	6.00000	99.75000	Point lies within an excavation.			*
				-5.00000	6.00000	99.75000	-1.8689	0.098364	1.6657	*
				-4.00000	6.00000	99.75000	-1.5365	0.080868	1.0571	*
				-3.00000	6.00000	99.75000	-1.2041	0.063373	0.54390	*
				-2.00000	6.00000	99.75000	-0.87167	0.045877	0.19067	*
				-1.00000	6.00000	99.75000	-0.53838	0.027463	0.0058423	*
				0.00000	6.00000	99.75000	-0.20511	0.0091880	-0.058296	*
				1.00000	6.00000	99.75000	0.0	0.0	0.0	*
				2.00000	6.00000	99.75000	0.0	0.0	0.0	*
				3.00000	6.00000	99.75000	0.0	0.0	0.0	*
				4.00000	6.00000	99.75000	0.0	0.0	0.0	*
				5.00000	6.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	7.00000	99.75000	0.0	0.0	-0.048871	*
				-39.00000	7.00000	99.75000	0.0	0.0	-0.057157	*
				-38.00000	7.00000	99.75000	0.0	0.0	-0.066734	*
				-37.00000	7.00000	99.75000	0.0	0.0	-0.077848	*
				-36.00000	7.00000	99.75000	0.0	0.0	-0.090803	*
				-35.00000	7.00000	99.75000	0.0	0.0	-0.10598	*
				-34.00000	7.00000	99.75000	0.024232	-0.0077463	-0.11850	*
				-33.00000	7.00000	99.75000	0.18433	-0.13880	-0.040604	*
				-32.00000	7.00000	99.75000	0.0	-0.48333	0.10654	*
				-31.00000	7.00000	99.75000	0.0	-0.48333	0.076324	*
				-30.00000	7.00000	99.75000	0.0	-0.48333	0.039921	*
				-29.00000	7.00000	99.75000	0.0	-0.48333	-0.0040703	*
				-28.00000	7.00000	99.75000	0.0	-0.48333	-0.057086	*
				-27.00000	7.00000	99.75000	0.0	-0.48333	-0.12009	*
				-26.00000	7.00000	99.75000	0.0	-0.48333	-0.19385	*
				-25.00000	7.00000	99.75000	0.0	-0.48333	-0.27287	*
				-24.00000	7.00000	99.75000	0.0	-0.48333	-0.34054	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-23.00000	7.00000	99.75000	0.0	-0.50138	-0.39273	*
				-22.00000	7.00000	99.75000	0.0	-0.54280	-0.42573	*
				-21.00000	7.00000	99.75000	0.0	-0.61592	-0.42178	*
				-20.00000	7.00000	99.75000	0.0	-0.76370	-0.33379	*
				-19.00000	7.00000	99.75000	0.0	-1.1449	-0.0031811	*
				-18.00000	7.00000	99.75000	0.0	-2.0094	0.79902	*
				-17.00000	7.00000	99.75000	0.0	-1.7091	0.60688	*
				-16.00000	7.00000	99.75000	0.0	-1.6083	0.59604	*
				-15.00000	7.00000	99.75000	0.0	-1.6083	0.62084	*
				-14.00000	7.00000	99.75000	0.0	-1.6083	0.65643	*
				-13.00000	7.00000	99.75000	0.0	-1.6083	0.70395	*
				-12.00000	7.00000	99.75000	0.0	-1.6083	0.76412	*
				-11.00000	7.00000	99.75000	0.0	-1.6083	0.83788	*
				-10.00000	7.00000	99.75000	0.0	-1.6083	0.91753	*
				-9.00000	7.00000	99.75000	0.0	-1.6083	0.98684	*
				-8.00000	7.00000	99.75000	0.0	-1.6083	1.0457	*
				-7.00000	7.00000	99.75000	0.0	-1.6083	1.0948	*
				-6.00000	7.00000	99.75000	0.0	-1.6083	1.1355	*
				-5.00000	7.00000	99.75000	0.0	-1.6083	1.1692	*
				-4.00000	7.00000	99.75000	-0.79822	-0.60679	0.90808	*
				-3.00000	7.00000	99.75000	-0.84714	-0.26408	0.48657	*
				-2.00000	7.00000	99.75000	-0.67705	-0.12643	0.17015	*
				-1.00000	7.00000	99.75000	-0.43532	-0.056432	0.0019999	*
				0.00000	7.00000	99.75000	-0.16256	-0.015795	-0.056833	*
				1.00000	7.00000	99.75000	0.0	0.0	0.0	
				2.00000	7.00000	99.75000	0.0	0.0	0.0	
				3.00000	7.00000	99.75000	0.0	0.0	0.0	
				4.00000	7.00000	99.75000	0.0	0.0	0.0	
				5.00000	7.00000	99.75000	0.0	0.0	0.0	
				-40.00000	8.00000	99.75000	0.0	0.0	-0.046564	*
				-39.00000	8.00000	99.75000	0.0	0.0	-0.054362	*
				-38.00000	8.00000	99.75000	0.0	0.0	-0.063326	*
				-37.00000	8.00000	99.75000	0.0	0.0	-0.073663	*
				-36.00000	8.00000	99.75000	0.0	0.0	-0.085626	*
				-35.00000	8.00000	99.75000	0.0	0.0	-0.099518	*
				-34.00000	8.00000	99.75000	0.0	0.0	-0.11571	*
				-33.00000	8.00000	99.75000	0.020540	-0.043085	-0.12489	*
				-32.00000	8.00000	99.75000	0.0	-0.15000	-0.13253	*
				-31.00000	8.00000	99.75000	0.0	-0.15000	-0.15872	*
				-30.00000	8.00000	99.75000	0.0	-0.15000	-0.18957	*
				-29.00000	8.00000	99.75000	0.0	-0.15000	-0.22582	*
				-28.00000	8.00000	99.75000	0.0	-0.15000	-0.26800	*
				-27.00000	8.00000	99.75000	0.0	-0.15000	-0.31596	*
				-26.00000	8.00000	99.75000	0.0	-0.15000	-0.36805	*
				-25.00000	8.00000	99.75000	0.0	-0.15000	-0.42067	*
				-24.00000	8.00000	99.75000	0.0	-0.15000	-0.46933	*
				-23.00000	8.00000	99.75000	0.0	-0.17763	-0.50663	*
				-22.00000	8.00000	99.75000	0.0	-0.26432	-0.52416	*
				-21.00000	8.00000	99.75000	0.0	-0.39928	-0.49797	*
				-20.00000	8.00000	99.75000	0.0	-0.62129	-0.38069	*
				-19.00000	8.00000	99.75000	0.0	-0.98923	-0.11810	*
				-18.00000	8.00000	99.75000	0.0	-1.4110	0.18749	*
				-17.00000	8.00000	99.75000	0.0	-1.2931	0.17370	*
				-16.00000	8.00000	99.75000	0.0	-1.2750	0.18310	*
				-15.00000	8.00000	99.75000	0.0	-1.2750	0.20331	*
				-14.00000	8.00000	99.75000	0.0	-1.2750	0.23172	*
				-13.00000	8.00000	99.75000	0.0	-1.2750	0.26857	*
				-12.00000	8.00000	99.75000	0.0	-1.2750	0.31345	*
				-11.00000	8.00000	99.75000	0.0	-1.2750	0.36440	*
				-10.00000	8.00000	99.75000	0.0	-1.2750	0.41751	*
				-9.00000	8.00000	99.75000	0.0	-1.2750	0.46833	*
				-8.00000	8.00000	99.75000	0.0	-1.2750	0.51404	*
				-7.00000	8.00000	99.75000	0.0	-1.2750	0.55376	*
				-6.00000	8.00000	99.75000	0.0	-1.2750	0.58771	*
				-5.00000	8.00000	99.75000	0.0	-1.2750	0.61654	*
				-4.00000	8.00000	99.75000	-0.37078	-0.79782	0.51751	*
				-3.00000	8.00000	99.75000	-0.50419	-0.44667	0.28621	*
				-2.00000	8.00000	99.75000	-0.44927	-0.23527	0.085012	*
				-1.00000	8.00000	99.75000	-0.29156	-0.10558	-0.023383	*
				0.00000	8.00000	99.75000	-0.078101	-0.021303	-0.063649	*
				1.00000	8.00000	99.75000	0.0	0.0	0.0	
				2.00000	8.00000	99.75000	0.0	0.0	0.0	
				3.00000	8.00000	99.75000	0.0	0.0	0.0	
				4.00000	8.00000	99.75000	0.0	0.0	0.0	
				5.00000	8.00000	99.75000	0.0	0.0	0.0	
				-40.00000	9.00000	99.75000	0.0	0.0	-0.044048	*
				-39.00000	9.00000	99.75000	0.0	0.0	-0.051329	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-38.00000	9.00000	99.75000	0.0	0.0	-0.059650	*
				-37.00000	9.00000	99.75000	0.0	0.0	-0.069181	*
				-36.00000	9.00000	99.75000	0.0	0.0	-0.080124	*
				-35.00000	9.00000	99.75000	0.0	0.0	-0.092717	*
				-34.00000	9.00000	99.75000	0.0	0.0	-0.10724	*
				-33.00000	9.00000	99.75000	0.0	0.0	-0.12401	*
				-32.00000	9.00000	99.75000	0.0	0.0	-0.14341	*
				-31.00000	9.00000	99.75000	0.0	0.0	-0.16583	*
				-30.00000	9.00000	99.75000	0.0	0.0	-0.19166	*
				-29.00000	9.00000	99.75000	0.0	0.0	-0.22121	*
				-28.00000	9.00000	99.75000	0.0	0.0	-0.25454	*
				-27.00000	9.00000	99.75000	0.0	0.0	-0.29117	*
				-26.00000	9.00000	99.75000	0.0	0.0	-0.32981	*
				-25.00000	9.00000	99.75000	0.0	0.0	-0.36834	*
				-24.00000	9.00000	99.75000	0.0	0.0	-0.40431	*
				-23.00000	9.00000	99.75000	0.0	0.0	-0.43578	*
				-22.00000	9.00000	99.75000	0.0	-0.10469	-0.44581	*
				-21.00000	9.00000	99.75000	0.0	-0.25296	-0.43045	*
				-20.00000	9.00000	99.75000	0.0	-0.45631	-0.36216	*
				-19.00000	9.00000	99.75000	0.0	-0.71264	-0.23813	*
				-18.00000	9.00000	99.75000	0.0	-0.94167	-0.12840	*
				-17.00000	9.00000	99.75000	0.0	-0.94167	-0.12429	*
				-16.00000	9.00000	99.75000	0.0	-0.94167	-0.11421	*
				-15.00000	9.00000	99.75000	0.0	-0.94167	-0.098058	*
				-14.00000	9.00000	99.75000	0.0	-0.94167	-0.075768	*
				-13.00000	9.00000	99.75000	0.0	-0.94167	-0.047501	*
				-12.00000	9.00000	99.75000	0.0	-0.94167	-0.013930	*
				-11.00000	9.00000	99.75000	0.0	-0.94167	0.023468	*
				-10.00000	9.00000	99.75000	0.0	-0.94167	0.062433	*
				-9.00000	9.00000	99.75000	0.0	-0.94167	0.10053	*
				-8.00000	9.00000	99.75000	0.0	-0.94167	0.13595	*
				-7.00000	9.00000	99.75000	0.0	-0.94167	0.16776	*
				-6.00000	9.00000	99.75000	0.0	-0.94167	0.19576	*
				-5.00000	9.00000	99.75000	0.0	-0.94167	0.22014	*
				-4.00000	9.00000	99.75000	-0.18652	-0.68734	0.18805	*
				-3.00000	9.00000	99.75000	-0.27777	-0.43525	0.088863	*
				-2.00000	9.00000	99.75000	-0.25576	-0.23754	-0.0024682	*
				-1.00000	9.00000	99.75000	-0.14615	-0.093419	-0.050108	*
				0.00000	9.00000	99.75000	0.0	0.0	-0.075376	*
				1.00000	9.00000	99.75000	0.0	0.0	0.0	
				2.00000	9.00000	99.75000	0.0	0.0	0.0	
				3.00000	9.00000	99.75000	0.0	0.0	0.0	
				4.00000	9.00000	99.75000	0.0	0.0	0.0	
				5.00000	9.00000	99.75000	0.0	0.0	0.0	
				-40.00000	10.00000	99.75000	0.0	0.0	-0.041376	*
				-39.00000	10.00000	99.75000	0.0	0.0	-0.048127	*
				-38.00000	10.00000	99.75000	0.0	0.0	-0.055795	*
				-37.00000	10.00000	99.75000	0.0	0.0	-0.064514	*
				-36.00000	10.00000	99.75000	0.0	0.0	-0.074444	*
				-35.00000	10.00000	99.75000	0.0	0.0	-0.085762	*
				-34.00000	10.00000	99.75000	0.0	0.0	-0.098672	*
				-33.00000	10.00000	99.75000	0.0	0.0	-0.11340	*
				-32.00000	10.00000	99.75000	0.0	0.0	-0.13016	*
				-31.00000	10.00000	99.75000	0.0	0.0	-0.14921	*
				-30.00000	10.00000	99.75000	0.0	0.0	-0.17070	*
				-29.00000	10.00000	99.75000	0.0	0.0	-0.19471	*
				-28.00000	10.00000	99.75000	0.0	0.0	-0.22109	*
				-27.00000	10.00000	99.75000	0.0	0.0	-0.24936	*
				-26.00000	10.00000	99.75000	0.0	0.0	-0.27857	*
				-25.00000	10.00000	99.75000	0.0	0.0	-0.30741	*
				-24.00000	10.00000	99.75000	0.0	0.0	-0.33442	*
				-23.00000	10.00000	99.75000	0.0	0.0	-0.35835	*
				-22.00000	10.00000	99.75000	0.0	-0.028417	-0.37340	*
				-21.00000	10.00000	99.75000	0.0	-0.16162	-0.36938	*
				-20.00000	10.00000	99.75000	0.0	-0.31979	-0.34705	*
				-19.00000	10.00000	99.75000	0.0	-0.48599	-0.30581	*
				-18.00000	10.00000	99.75000	0.0	-0.60833	-0.27263	*
				-17.00000	10.00000	99.75000	0.0	-0.60833	-0.26932	*
				-16.00000	10.00000	99.75000	0.0	-0.60833	-0.26127	*
				-15.00000	10.00000	99.75000	0.0	-0.60833	-0.24849	*
				-14.00000	10.00000	99.75000	0.0	-0.60833	-0.23111	*
				-13.00000	10.00000	99.75000	0.0	-0.60833	-0.20942	*
				-12.00000	10.00000	99.75000	0.0	-0.60833	-0.18405	*
				-11.00000	10.00000	99.75000	0.0	-0.60833	-0.15606	*
				-10.00000	10.00000	99.75000	0.0	-0.60833	-0.12683	*
				-9.00000	10.00000	99.75000	0.0	-0.60833	-0.097824	*
				-8.00000	10.00000	99.75000	0.0	-0.60833	-0.070214	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-7.00000	10.00000	99.75000	0.0	-0.60833	-0.044751	*
				-6.00000	10.00000	99.75000	0.0	-0.60833	-0.021764	*
				-5.00000	10.00000	99.75000	0.0	-0.60833	-0.0012949	*
				-4.00000	10.00000	99.75000	-0.089468	-0.47091	-0.0022893	*
				-3.00000	10.00000	99.75000	-0.13221	-0.30426	-0.028637	*
				-2.00000	10.00000	99.75000	-0.10737	-0.14800	-0.053788	*
				-1.00000	10.00000	99.75000	-0.017920	-0.017030	-0.074279	*
				0.00000	10.00000	99.75000	0.0	0.0	-0.070148	*
				1.00000	10.00000	99.75000	0.0	0.0	0.0	
				2.00000	10.00000	99.75000	0.0	0.0	0.0	
				3.00000	10.00000	99.75000	0.0	0.0	0.0	
				4.00000	10.00000	99.75000	0.0	0.0	0.0	
				5.00000	10.00000	99.75000	0.0	0.0	0.0	
				-40.00000	11.00000	99.75000	0.0	0.0	-0.038601	*
				-39.00000	11.00000	99.75000	0.0	0.0	-0.044820	*
				-38.00000	11.00000	99.75000	0.0	0.0	-0.051839	*
				-37.00000	11.00000	99.75000	0.0	0.0	-0.059763	*
				-36.00000	11.00000	99.75000	0.0	0.0	-0.068712	*
				-35.00000	11.00000	99.75000	0.0	0.0	-0.078816	*
				-34.00000	11.00000	99.75000	0.0	0.0	-0.090216	*
				-33.00000	11.00000	99.75000	0.0	0.0	-0.10305	*
				-32.00000	11.00000	99.75000	0.0	0.0	-0.11747	*
				-31.00000	11.00000	99.75000	0.0	0.0	-0.13357	*
				-30.00000	11.00000	99.75000	0.0	0.0	-0.15142	*
				-29.00000	11.00000	99.75000	0.0	0.0	-0.17095	*
				-28.00000	11.00000	99.75000	0.0	0.0	-0.19197	*
				-27.00000	11.00000	99.75000	0.0	0.0	-0.21405	*
				-26.00000	11.00000	99.75000	0.0	0.0	-0.23653	*
				-25.00000	11.00000	99.75000	0.0	0.0	-0.25853	*
				-24.00000	11.00000	99.75000	0.0	0.0	-0.27914	*
				-23.00000	11.00000	99.75000	0.0	0.0	-0.29751	*
				-22.00000	11.00000	99.75000	0.0	0.0	-0.31300	*
				-21.00000	11.00000	99.75000	0.0	-0.0033189	-0.32431	*
				-20.00000	11.00000	99.75000	0.0	-0.11603	-0.31588	*
				-19.00000	11.00000	99.75000	0.0	-0.21703	-0.30609	*
				-18.00000	11.00000	99.75000	0.0	-0.27500	-0.29824	*
				-17.00000	11.00000	99.75000	0.0	-0.27500	-0.29560	*
				-16.00000	11.00000	99.75000	0.0	-0.27500	-0.28921	*
				-15.00000	11.00000	99.75000	0.0	-0.27500	-0.27914	*
				-14.00000	11.00000	99.75000	0.0	-0.27500	-0.26558	*
				-13.00000	11.00000	99.75000	0.0	-0.27500	-0.24883	*
				-12.00000	11.00000	99.75000	0.0	-0.27500	-0.22942	*
				-11.00000	11.00000	99.75000	0.0	-0.27500	-0.20810	*
				-10.00000	11.00000	99.75000	0.0	-0.27500	-0.18575	*
				-9.00000	11.00000	99.75000	0.0	-0.27500	-0.16332	*
				-8.00000	11.00000	99.75000	0.0	-0.27500	-0.14158	*
				-7.00000	11.00000	99.75000	0.0	-0.27500	-0.12112	*
				-6.00000	11.00000	99.75000	0.0	-0.27500	-0.10225	*
				-5.00000	11.00000	99.75000	0.0	-0.27500	-0.085125	*
				-4.00000	11.00000	99.75000	-0.030405	-0.20860	-0.075189	*
				-3.00000	11.00000	99.75000	-0.034404	-0.10540	-0.075487	*
				-2.00000	11.00000	99.75000	0.0	0.0	-0.085307	*
				-1.00000	11.00000	99.75000	0.0	0.0	-0.074461	*
				0.00000	11.00000	99.75000	0.0	0.0	-0.064852	*
				1.00000	11.00000	99.75000	0.0	0.0	0.0	
				2.00000	11.00000	99.75000	0.0	0.0	0.0	
				3.00000	11.00000	99.75000	0.0	0.0	0.0	
				4.00000	11.00000	99.75000	0.0	0.0	0.0	
				5.00000	11.00000	99.75000	0.0	0.0	0.0	
				-40.00000	12.00000	99.75000	0.0	0.0	-0.035768	*
				-39.00000	12.00000	99.75000	0.0	0.0	-0.041466	*
				-38.00000	12.00000	99.75000	0.0	0.0	-0.047855	*
				-37.00000	12.00000	99.75000	0.0	0.0	-0.055015	*
				-36.00000	12.00000	99.75000	0.0	0.0	-0.063034	*
				-35.00000	12.00000	99.75000	0.0	0.0	-0.072005	*
				-34.00000	12.00000	99.75000	0.0	0.0	-0.082021	*
				-33.00000	12.00000	99.75000	0.0	0.0	-0.093168	*
				-32.00000	12.00000	99.75000	0.0	0.0	-0.10552	*
				-31.00000	12.00000	99.75000	0.0	0.0	-0.11911	*
				-30.00000	12.00000	99.75000	0.0	0.0	-0.13393	*
				-29.00000	12.00000	99.75000	0.0	0.0	-0.14989	*
				-28.00000	12.00000	99.75000	0.0	0.0	-0.16677	*
				-27.00000	12.00000	99.75000	0.0	0.0	-0.18422	*
				-26.00000	12.00000	99.75000	0.0	0.0	-0.20178	*
				-25.00000	12.00000	99.75000	0.0	0.0	-0.21884	*
				-24.00000	12.00000	99.75000	0.0	0.0	-0.23480	*
				-23.00000	12.00000	99.75000	0.0	0.0	-0.24906	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-22.00000	12.00000	99.75000	0.0	0.0	-0.26114	*
				-21.00000	12.00000	99.75000	0.0	0.0	-0.27069	*
				-20.00000	12.00000	99.75000	0.0	0.0	-0.27748	*
				-19.00000	12.00000	99.75000	0.0	0.0	-0.28136	*
				-18.00000	12.00000	99.75000	0.0	0.0	-0.28226	*
				-17.00000	12.00000	99.75000	0.0	0.0	-0.28016	*
				-16.00000	12.00000	99.75000	0.0	0.0	-0.27509	*
				-15.00000	12.00000	99.75000	0.0	0.0	-0.26716	*
				-14.00000	12.00000	99.75000	0.0	0.0	-0.25653	*
				-13.00000	12.00000	99.75000	0.0	0.0	-0.24350	*
				-12.00000	12.00000	99.75000	0.0	0.0	-0.22847	*
				-11.00000	12.00000	99.75000	0.0	0.0	-0.21196	*
				-10.00000	12.00000	99.75000	0.0	0.0	-0.19460	*
				-9.00000	12.00000	99.75000	0.0	0.0	-0.17700	*
				-8.00000	12.00000	99.75000	0.0	0.0	-0.15971	*
				-7.00000	12.00000	99.75000	0.0	0.0	-0.14316	*
				-6.00000	12.00000	99.75000	0.0	0.0	-0.12765	*
				-5.00000	12.00000	99.75000	0.0	0.0	-0.11332	*
				-4.00000	12.00000	99.75000	0.0	0.0	-0.10024	*
				-3.00000	12.00000	99.75000	0.0	0.0	-0.088394	*
				-2.00000	12.00000	99.75000	0.0	0.0	-0.077724	*
				-1.00000	12.00000	99.75000	0.0	0.0	-0.068152	*
				0.00000	12.00000	99.75000	0.0	0.0	-0.059586	*
				1.00000	12.00000	99.75000	0.0	0.0	0.0	
				2.00000	12.00000	99.75000	0.0	0.0	0.0	
				3.00000	12.00000	99.75000	0.0	0.0	0.0	
				4.00000	12.00000	99.75000	0.0	0.0	0.0	
				5.00000	12.00000	99.75000	0.0	0.0	0.0	
				-40.00000	13.00000	99.75000	0.0	0.0	-0.032920	*
				-39.00000	13.00000	99.75000	0.0	0.0	-0.038115	*
				-38.00000	13.00000	99.75000	0.0	0.0	-0.043902	*
				-37.00000	13.00000	99.75000	0.0	0.0	-0.050341	*
				-36.00000	13.00000	99.75000	0.0	0.0	-0.057495	*
				-35.00000	13.00000	99.75000	0.0	0.0	-0.065426	*
				-34.00000	13.00000	99.75000	0.0	0.0	-0.074193	*
				-33.00000	13.00000	99.75000	0.0	0.0	-0.083843	*
				-32.00000	13.00000	99.75000	0.0	0.0	-0.094406	*
				-31.00000	13.00000	99.75000	0.0	0.0	-0.10588	*
				-30.00000	13.00000	99.75000	0.0	0.0	-0.11822	*
				-29.00000	13.00000	99.75000	0.0	0.0	-0.13131	*
				-28.00000	13.00000	99.75000	0.0	0.0	-0.14497	*
				-27.00000	13.00000	99.75000	0.0	0.0	-0.15892	*
				-26.00000	13.00000	99.75000	0.0	0.0	-0.17282	*
				-25.00000	13.00000	99.75000	0.0	0.0	-0.18624	*
				-24.00000	13.00000	99.75000	0.0	0.0	-0.19874	*
				-23.00000	13.00000	99.75000	0.0	0.0	-0.20992	*
				-22.00000	13.00000	99.75000	0.0	0.0	-0.21942	*
				-21.00000	13.00000	99.75000	0.0	0.0	-0.22696	*
				-20.00000	13.00000	99.75000	0.0	0.0	-0.23233	*
				-19.00000	13.00000	99.75000	0.0	0.0	-0.23541	*
				-18.00000	13.00000	99.75000	0.0	0.0	-0.23612	*
				-17.00000	13.00000	99.75000	0.0	0.0	-0.23445	*
				-16.00000	13.00000	99.75000	0.0	0.0	-0.23043	*
				-15.00000	13.00000	99.75000	0.0	0.0	-0.22416	*
				-14.00000	13.00000	99.75000	0.0	0.0	-0.21579	*
				-13.00000	13.00000	99.75000	0.0	0.0	-0.20555	*
				-12.00000	13.00000	99.75000	0.0	0.0	-0.19377	*
				-11.00000	13.00000	99.75000	0.0	0.0	-0.18083	*
				-10.00000	13.00000	99.75000	0.0	0.0	-0.16715	*
				-9.00000	13.00000	99.75000	0.0	0.0	-0.15317	*
				-8.00000	13.00000	99.75000	0.0	0.0	-0.13928	*
				-7.00000	13.00000	99.75000	0.0	0.0	-0.12582	*
				-6.00000	13.00000	99.75000	0.0	0.0	-0.11301	*
				-5.00000	13.00000	99.75000	0.0	0.0	-0.10102	*
				-4.00000	13.00000	99.75000	0.0	0.0	-0.089913	*
				-3.00000	13.00000	99.75000	0.0	0.0	-0.079727	*
				-2.00000	13.00000	99.75000	0.0	0.0	-0.070445	*
				-1.00000	13.00000	99.75000	0.0	0.0	-0.062030	*
				0.00000	13.00000	99.75000	0.0	0.0	-0.054427	*
				1.00000	13.00000	99.75000	0.0	0.0	0.0	
				2.00000	13.00000	99.75000	0.0	0.0	0.0	
				3.00000	13.00000	99.75000	0.0	0.0	0.0	
				4.00000	13.00000	99.75000	0.0	0.0	0.0	
				5.00000	13.00000	99.75000	0.0	0.0	0.0	
				-40.00000	14.00000	99.75000	0.0	0.0	-0.030093	*
				-39.00000	14.00000	99.75000	0.0	0.0	-0.034809	*
				-38.00000	14.00000	99.75000	0.0	0.0	-0.040029	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-37.00000	14.00000	99.75000	0.0	0.0	-0.045797	*
				-36.00000	14.00000	99.75000	0.0	0.0	-0.052156	*
				-35.00000	14.00000	99.75000	0.0	0.0	-0.059146	*
				-34.00000	14.00000	99.75000	0.0	0.0	-0.066801	*
				-33.00000	14.00000	99.75000	0.0	0.0	-0.075142	*
				-32.00000	14.00000	99.75000	0.0	0.0	-0.084171	*
				-31.00000	14.00000	99.75000	0.0	0.0	-0.093866	*
				-30.00000	14.00000	99.75000	0.0	0.0	-0.10417	*
				-29.00000	14.00000	99.75000	0.0	0.0	-0.11497	*
				-28.00000	14.00000	99.75000	0.0	0.0	-0.12610	*
				-27.00000	14.00000	99.75000	0.0	0.0	-0.13736	*
				-26.00000	14.00000	99.75000	0.0	0.0	-0.14848	*
				-25.00000	14.00000	99.75000	0.0	0.0	-0.15915	*
				-24.00000	14.00000	99.75000	0.0	0.0	-0.16907	*
				-23.00000	14.00000	99.75000	0.0	0.0	-0.17792	*
				-22.00000	14.00000	99.75000	0.0	0.0	-0.18545	*
				-21.00000	14.00000	99.75000	0.0	0.0	-0.19143	*
				-20.00000	14.00000	99.75000	0.0	0.0	-0.19570	*
				-19.00000	14.00000	99.75000	0.0	0.0	-0.19815	*
				-18.00000	14.00000	99.75000	0.0	0.0	-0.19871	*
				-17.00000	14.00000	99.75000	0.0	0.0	-0.19738	*
				-16.00000	14.00000	99.75000	0.0	0.0	-0.19418	*
				-15.00000	14.00000	99.75000	0.0	0.0	-0.18919	*
				-14.00000	14.00000	99.75000	0.0	0.0	-0.18256	*
				-13.00000	14.00000	99.75000	0.0	0.0	-0.17445	*
				-12.00000	14.00000	99.75000	0.0	0.0	-0.16512	*
				-11.00000	14.00000	99.75000	0.0	0.0	-0.15485	*
				-10.00000	14.00000	99.75000	0.0	0.0	-0.14395	*
				-9.00000	14.00000	99.75000	0.0	0.0	-0.13273	*
				-8.00000	14.00000	99.75000	0.0	0.0	-0.12148	*
				-7.00000	14.00000	99.75000	0.0	0.0	-0.11045	*
				-6.00000	14.00000	99.75000	0.0	0.0	-0.099837	*
				-5.00000	14.00000	99.75000	0.0	0.0	-0.089773	*
				-4.00000	14.00000	99.75000	0.0	0.0	-0.080344	*
				-3.00000	14.00000	99.75000	0.0	0.0	-0.071596	*
				-2.00000	14.00000	99.75000	0.0	0.0	-0.063539	*
				-1.00000	14.00000	99.75000	0.0	0.0	-0.056162	*
				0.00000	14.00000	99.75000	0.0	0.0	-0.049437	*
				1.00000	14.00000	99.75000	0.0	0.0	0.0	
				2.00000	14.00000	99.75000	0.0	0.0	0.0	
				3.00000	14.00000	99.75000	0.0	0.0	0.0	
				4.00000	14.00000	99.75000	0.0	0.0	0.0	
				5.00000	14.00000	99.75000	0.0	0.0	0.0	
				-40.00000	15.00000	99.75000	0.0	0.0	-0.027318	*
				-39.00000	15.00000	99.75000	0.0	0.0	-0.031583	*
				-38.00000	15.00000	99.75000	0.0	0.0	-0.036275	*
				-37.00000	15.00000	99.75000	0.0	0.0	-0.041425	*
				-36.00000	15.00000	99.75000	0.0	0.0	-0.047062	*
				-35.00000	15.00000	99.75000	0.0	0.0	-0.053208	*
				-34.00000	15.00000	99.75000	0.0	0.0	-0.059881	*
				-33.00000	15.00000	99.75000	0.0	0.0	-0.067085	*
				-32.00000	15.00000	99.75000	0.0	0.0	-0.074807	*
				-31.00000	15.00000	99.75000	0.0	0.0	-0.083013	*
				-30.00000	15.00000	99.75000	0.0	0.0	-0.091640	*
				-29.00000	15.00000	99.75000	0.0	0.0	-0.10059	*
				-28.00000	15.00000	99.75000	0.0	0.0	-0.10974	*
				-27.00000	15.00000	99.75000	0.0	0.0	-0.11890	*
				-26.00000	15.00000	99.75000	0.0	0.0	-0.12788	*
				-25.00000	15.00000	99.75000	0.0	0.0	-0.13646	*
				-24.00000	15.00000	99.75000	0.0	0.0	-0.14439	*
				-23.00000	15.00000	99.75000	0.0	0.0	-0.15146	*
				-22.00000	15.00000	99.75000	0.0	0.0	-0.15747	*
				-21.00000	15.00000	99.75000	0.0	0.0	-0.16225	*
				-20.00000	15.00000	99.75000	0.0	0.0	-0.16566	*
				-19.00000	15.00000	99.75000	0.0	0.0	-0.16762	*
				-18.00000	15.00000	99.75000	0.0	0.0	-0.16807	*
				-17.00000	15.00000	99.75000	0.0	0.0	-0.16700	*
				-16.00000	15.00000	99.75000	0.0	0.0	-0.16444	*
				-15.00000	15.00000	99.75000	0.0	0.0	-0.16046	*
				-14.00000	15.00000	99.75000	0.0	0.0	-0.15516	*
				-13.00000	15.00000	99.75000	0.0	0.0	-0.14869	*
				-12.00000	15.00000	99.75000	0.0	0.0	-0.14123	*
				-11.00000	15.00000	99.75000	0.0	0.0	-0.13300	*
				-10.00000	15.00000	99.75000	0.0	0.0	-0.12422	*
				-9.00000	15.00000	99.75000	0.0	0.0	-0.11514	*
				-8.00000	15.00000	99.75000	0.0	0.0	-0.10595	*
				-7.00000	15.00000	99.75000	0.0	0.0	-0.096863	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

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Drg. Ref.

Made by
ATDate
30-Aug-2023

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-6.00000	15.00000	99.75000	0.0	0.0	-0.088026	*
				-5.00000	15.00000	99.75000	0.0	0.0	-0.079559	*
				-4.00000	15.00000	99.75000	0.0	0.0	-0.071545	*
				-3.00000	15.00000	99.75000	0.0	0.0	-0.064032	*
				-2.00000	15.00000	99.75000	0.0	0.0	-0.057046	*
				-1.00000	15.00000	99.75000	0.0	0.0	-0.050591	*
				0.00000	15.00000	99.75000	0.0	0.0	-0.044658	*
				1.00000	15.00000	99.75000	0.0	0.0	0.0	
				2.00000	15.00000	99.75000	0.0	0.0	0.0	
				3.00000	15.00000	99.75000	0.0	0.0	0.0	
				4.00000	15.00000	99.75000	0.0	0.0	0.0	
				5.00000	15.00000	99.75000	0.0	0.0	0.0	
				-40.00000	16.00000	99.75000	0.0	0.0	-0.024618	*
				-39.00000	16.00000	99.75000	0.0	0.0	-0.028463	*
				-38.00000	16.00000	99.75000	0.0	0.0	-0.032669	*
				-37.00000	16.00000	99.75000	0.0	0.0	-0.037256	*
				-36.00000	16.00000	99.75000	0.0	0.0	-0.042241	*
				-35.00000	16.00000	99.75000	0.0	0.0	-0.047637	*
				-34.00000	16.00000	99.75000	0.0	0.0	-0.053448	*
				-33.00000	16.00000	99.75000	0.0	0.0	-0.059669	*
				-32.00000	16.00000	99.75000	0.0	0.0	-0.066279	*
				-31.00000	16.00000	99.75000	0.0	0.0	-0.073239	*
				-30.00000	16.00000	99.75000	0.0	0.0	-0.080491	*
				-29.00000	16.00000	99.75000	0.0	0.0	-0.087948	*
				-28.00000	16.00000	99.75000	0.0	0.0	-0.095501	*
				-27.00000	16.00000	99.75000	0.0	0.0	-0.10301	*
				-26.00000	16.00000	99.75000	0.0	0.0	-0.11033	*
				-25.00000	16.00000	99.75000	0.0	0.0	-0.11728	*
				-24.00000	16.00000	99.75000	0.0	0.0	-0.12368	*
				-23.00000	16.00000	99.75000	0.0	0.0	-0.12938	*
				-22.00000	16.00000	99.75000	0.0	0.0	-0.13422	*
				-21.00000	16.00000	99.75000	0.0	0.0	-0.13806	*
				-20.00000	16.00000	99.75000	0.0	0.0	-0.14080	*
				-19.00000	16.00000	99.75000	0.0	0.0	-0.14237	*
				-18.00000	16.00000	99.75000	0.0	0.0	-0.14273	*
				-17.00000	16.00000	99.75000	0.0	0.0	-0.14188	*
				-16.00000	16.00000	99.75000	0.0	0.0	-0.13982	*
				-15.00000	16.00000	99.75000	0.0	0.0	-0.13661	*
				-14.00000	16.00000	99.75000	0.0	0.0	-0.13235	*
				-13.00000	16.00000	99.75000	0.0	0.0	-0.12714	*
				-12.00000	16.00000	99.75000	0.0	0.0	-0.12113	*
				-11.00000	16.00000	99.75000	0.0	0.0	-0.11448	*
				-10.00000	16.00000	99.75000	0.0	0.0	-0.10735	*
				-9.00000	16.00000	99.75000	0.0	0.0	-0.099932	*
				-8.00000	16.00000	99.75000	0.0	0.0	-0.092381	*
				-7.00000	16.00000	99.75000	0.0	0.0	-0.084849	*
				-6.00000	16.00000	99.75000	0.0	0.0	-0.077461	*
				-5.00000	16.00000	99.75000	0.0	0.0	-0.070318	*
				-4.00000	16.00000	99.75000	0.0	0.0	-0.063494	*
				-3.00000	16.00000	99.75000	0.0	0.0	-0.057040	*
				-2.00000	16.00000	99.75000	0.0	0.0	-0.050986	*
				-1.00000	16.00000	99.75000	0.0	0.0	-0.045345	*
				0.00000	16.00000	99.75000	0.0	0.0	-0.040120	*
				1.00000	16.00000	99.75000	0.0	0.0	0.0	
				2.00000	16.00000	99.75000	0.0	0.0	0.0	
				3.00000	16.00000	99.75000	0.0	0.0	0.0	
				4.00000	16.00000	99.75000	0.0	0.0	0.0	
				5.00000	16.00000	99.75000	0.0	0.0	0.0	
				-40.00000	17.00000	99.75000	0.0	0.0	-0.022013	*
				-39.00000	17.00000	99.75000	0.0	0.0	-0.025470	*
				-38.00000	17.00000	99.75000	0.0	0.0	-0.029231	*
				-37.00000	17.00000	99.75000	0.0	0.0	-0.033307	*
				-36.00000	17.00000	99.75000	0.0	0.0	-0.037709	*
				-35.00000	17.00000	99.75000	0.0	0.0	-0.042441	*
				-34.00000	17.00000	99.75000	0.0	0.0	-0.047500	*
				-33.00000	17.00000	99.75000	0.0	0.0	-0.052874	*
				-32.00000	17.00000	99.75000	0.0	0.0	-0.058539	*
				-31.00000	17.00000	99.75000	0.0	0.0	-0.064456	*
				-30.00000	17.00000	99.75000	0.0	0.0	-0.070572	*
				-29.00000	17.00000	99.75000	0.0	0.0	-0.076812	*
				-28.00000	17.00000	99.75000	0.0	0.0	-0.083086	*
				-27.00000	17.00000	99.75000	0.0	0.0	-0.089285	*
				-26.00000	17.00000	99.75000	0.0	0.0	-0.095287	*
				-25.00000	17.00000	99.75000	0.0	0.0	-0.10096	*
				-24.00000	17.00000	99.75000	0.0	0.0	-0.10617	*
				-23.00000	17.00000	99.75000	0.0	0.0	-0.11080	*
				-22.00000	17.00000	99.75000	0.0	0.0	-0.11472	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-21.00000	17.00000	99.75000	0.0	0.0	-0.11782	*
				-20.00000	17.00000	99.75000	0.0	0.0	-0.12004	*
				-19.00000	17.00000	99.75000	0.0	0.0	-0.12131	*
				-18.00000	17.00000	99.75000	0.0	0.0	-0.12161	*
				-17.00000	17.00000	99.75000	0.0	0.0	-0.12091	*
				-16.00000	17.00000	99.75000	0.0	0.0	-0.11925	*
				-15.00000	17.00000	99.75000	0.0	0.0	-0.11665	*
				-14.00000	17.00000	99.75000	0.0	0.0	-0.11320	*
				-13.00000	17.00000	99.75000	0.0	0.0	-0.10898	*
				-12.00000	17.00000	99.75000	0.0	0.0	-0.10410	*
				-11.00000	17.00000	99.75000	0.0	0.0	-0.098676	*
				-10.00000	17.00000	99.75000	0.0	0.0	-0.092848	*
				-9.00000	17.00000	99.75000	0.0	0.0	-0.086746	*
				-8.00000	17.00000	99.75000	0.0	0.0	-0.080499	*
				-7.00000	17.00000	99.75000	0.0	0.0	-0.074224	*
				-6.00000	17.00000	99.75000	0.0	0.0	-0.068023	*
				-5.00000	17.00000	99.75000	0.0	0.0	-0.061979	*
				-4.00000	17.00000	99.75000	0.0	0.0	-0.056158	*
				-3.00000	17.00000	99.75000	0.0	0.0	-0.050608	*
				-2.00000	17.00000	99.75000	0.0	0.0	-0.045361	*
				-1.00000	17.00000	99.75000	0.0	0.0	-0.040436	*
				0.00000	17.00000	99.75000	0.0	0.0	-0.035840	*
				1.00000	17.00000	99.75000	0.0	0.0	0.0	
				2.00000	17.00000	99.75000	0.0	0.0	0.0	
				3.00000	17.00000	99.75000	0.0	0.0	0.0	
				4.00000	17.00000	99.75000	0.0	0.0	0.0	
				5.00000	17.00000	99.75000	0.0	0.0	0.0	
				-40.00000	18.00000	99.75000	0.0	0.0	-0.019517	*
				-39.00000	18.00000	99.75000	0.0	0.0	-0.022618	*
				-38.00000	18.00000	99.75000	0.0	0.0	-0.025974	*
				-37.00000	18.00000	99.75000	0.0	0.0	-0.029591	*
				-36.00000	18.00000	99.75000	0.0	0.0	-0.033473	*
				-35.00000	18.00000	99.75000	0.0	0.0	-0.037619	*
				-34.00000	18.00000	99.75000	0.0	0.0	-0.042023	*
				-33.00000	18.00000	99.75000	0.0	0.0	-0.046669	*
				-32.00000	18.00000	99.75000	0.0	0.0	-0.051531	*
				-31.00000	18.00000	99.75000	0.0	0.0	-0.056573	*
				-30.00000	18.00000	99.75000	0.0	0.0	-0.061748	*
				-29.00000	18.00000	99.75000	0.0	0.0	-0.066991	*
				-28.00000	18.00000	99.75000	0.0	0.0	-0.072229	*
				-27.00000	18.00000	99.75000	0.0	0.0	-0.077374	*
				-26.00000	18.00000	99.75000	0.0	0.0	-0.082331	*
				-25.00000	18.00000	99.75000	0.0	0.0	-0.086996	*
				-24.00000	18.00000	99.75000	0.0	0.0	-0.091268	*
				-23.00000	18.00000	99.75000	0.0	0.0	-0.095046	*
				-22.00000	18.00000	99.75000	0.0	0.0	-0.098240	*
				-21.00000	18.00000	99.75000	0.0	0.0	-0.10077	*
				-20.00000	18.00000	99.75000	0.0	0.0	-0.10258	*
				-19.00000	18.00000	99.75000	0.0	0.0	-0.10361	*
				-18.00000	18.00000	99.75000	0.0	0.0	-0.10385	*
				-17.00000	18.00000	99.75000	0.0	0.0	-0.10328	*
				-16.00000	18.00000	99.75000	0.0	0.0	-0.10193	*
				-15.00000	18.00000	99.75000	0.0	0.0	-0.099818	*
				-14.00000	18.00000	99.75000	0.0	0.0	-0.097006	*
				-13.00000	18.00000	99.75000	0.0	0.0	-0.093560	*
				-12.00000	18.00000	99.75000	0.0	0.0	-0.089566	*
				-11.00000	18.00000	99.75000	0.0	0.0	-0.085118	*
				-10.00000	18.00000	99.75000	0.0	0.0	-0.080318	*
				-9.00000	18.00000	99.75000	0.0	0.0	-0.075270	*
				-8.00000	18.00000	99.75000	0.0	0.0	-0.070073	*
				-7.00000	18.00000	99.75000	0.0	0.0	-0.064821	*
				-6.00000	18.00000	99.75000	0.0	0.0	-0.059595	*
				-5.00000	18.00000	99.75000	0.0	0.0	-0.054467	*
				-4.00000	18.00000	99.75000	0.0	0.0	-0.049492	*
				-3.00000	18.00000	99.75000	0.0	0.0	-0.044714	*
				-2.00000	18.00000	99.75000	0.0	0.0	-0.040166	*
				-1.00000	18.00000	99.75000	0.0	0.0	-0.035866	*
				0.00000	18.00000	99.75000	0.0	0.0	-0.031828	*
				1.00000	18.00000	99.75000	0.0	0.0	0.0	
				2.00000	18.00000	99.75000	0.0	0.0	0.0	
				3.00000	18.00000	99.75000	0.0	0.0	0.0	
				4.00000	18.00000	99.75000	0.0	0.0	0.0	
				5.00000	18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	19.00000	99.75000	0.0	0.0	-0.017139	*
				-39.00000	19.00000	99.75000	0.0	0.0	-0.019916	*
				-38.00000	19.00000	99.75000	0.0	0.0	-0.022905	*
				-37.00000	19.00000	99.75000	0.0	0.0	-0.026110	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
ATDate
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-36.00000	19.00000	99.75000	0.0	0.0	-0.029531	*
				-35.00000	19.00000	99.75000	0.0	0.0	-0.033163	*
				-34.00000	19.00000	99.75000	0.0	0.0	-0.036997	*
				-33.00000	19.00000	99.75000	0.0	0.0	-0.041017	*
				-32.00000	19.00000	99.75000	0.0	0.0	-0.045196	*
				-31.00000	19.00000	99.75000	0.0	0.0	-0.049503	*
				-30.00000	19.00000	99.75000	0.0	0.0	-0.053895	*
				-29.00000	19.00000	99.75000	0.0	0.0	-0.058318	*
				-28.00000	19.00000	99.75000	0.0	0.0	-0.062712	*
				-27.00000	19.00000	99.75000	0.0	0.0	-0.067005	*
				-26.00000	19.00000	99.75000	0.0	0.0	-0.071121	*
				-25.00000	19.00000	99.75000	0.0	0.0	-0.074980	*
				-24.00000	19.00000	99.75000	0.0	0.0	-0.078502	*
				-23.00000	19.00000	99.75000	0.0	0.0	-0.081609	*
				-22.00000	19.00000	99.75000	0.0	0.0	-0.084230	*
				-21.00000	19.00000	99.75000	0.0	0.0	-0.086305	*
				-20.00000	19.00000	99.75000	0.0	0.0	-0.087783	*
				-19.00000	19.00000	99.75000	0.0	0.0	-0.088630	*
				-18.00000	19.00000	99.75000	0.0	0.0	-0.088824	*
				-17.00000	19.00000	99.75000	0.0	0.0	-0.088361	*
				-16.00000	19.00000	99.75000	0.0	0.0	-0.087251	*
				-15.00000	19.00000	99.75000	0.0	0.0	-0.085523	*
				-14.00000	19.00000	99.75000	0.0	0.0	-0.083216	*
				-13.00000	19.00000	99.75000	0.0	0.0	-0.080386	*
				-12.00000	19.00000	99.75000	0.0	0.0	-0.077098	*
				-11.00000	19.00000	99.75000	0.0	0.0	-0.073427	*
				-10.00000	19.00000	99.75000	0.0	0.0	-0.069450	*
				-9.00000	19.00000	99.75000	0.0	0.0	-0.065250	*
				-8.00000	19.00000	99.75000	0.0	0.0	-0.060905	*
				-7.00000	19.00000	99.75000	0.0	0.0	-0.056490	*
				-6.00000	19.00000	99.75000	0.0	0.0	-0.052071	*
				-5.00000	19.00000	99.75000	0.0	0.0	-0.047707	*
				-4.00000	19.00000	99.75000	0.0	0.0	-0.043447	*
				-3.00000	19.00000	99.75000	0.0	0.0	-0.039329	*
				-2.00000	19.00000	99.75000	0.0	0.0	-0.035383	*
				-1.00000	19.00000	99.75000	0.0	0.0	-0.031631	*
				0.00000	19.00000	99.75000	0.0	0.0	-0.028084	*
				1.00000	19.00000	99.75000	0.0	0.0	0.0	
				2.00000	19.00000	99.75000	0.0	0.0	0.0	
				3.00000	19.00000	99.75000	0.0	0.0	0.0	
				4.00000	19.00000	99.75000	0.0	0.0	0.0	
				5.00000	19.00000	99.75000	0.0	0.0	0.0	
				-40.00000	20.00000	99.75000	0.0	0.0	-0.014888	*
				-39.00000	20.00000	99.75000	0.0	0.0	-0.017369	*
				-38.00000	20.00000	99.75000	0.0	0.0	-0.020028	*
				-37.00000	20.00000	99.75000	0.0	0.0	-0.022865	*
				-36.00000	20.00000	99.75000	0.0	0.0	-0.025878	*
				-35.00000	20.00000	99.75000	0.0	0.0	-0.029059	*
				-34.00000	20.00000	99.75000	0.0	0.0	-0.032398	*
				-33.00000	20.00000	99.75000	0.0	0.0	-0.035879	*
				-32.00000	20.00000	99.75000	0.0	0.0	-0.039477	*
				-31.00000	20.00000	99.75000	0.0	0.0	-0.043164	*
				-30.00000	20.00000	99.75000	0.0	0.0	-0.046902	*
				-29.00000	20.00000	99.75000	0.0	0.0	-0.050647	*
				-28.00000	20.00000	99.75000	0.0	0.0	-0.054348	*
				-27.00000	20.00000	99.75000	0.0	0.0	-0.057946	*
				-26.00000	20.00000	99.75000	0.0	0.0	-0.061382	*
				-25.00000	20.00000	99.75000	0.0	0.0	-0.064592	*
				-24.00000	20.00000	99.75000	0.0	0.0	-0.067512	*
				-23.00000	20.00000	99.75000	0.0	0.0	-0.070082	*
				-22.00000	20.00000	99.75000	0.0	0.0	-0.072246	*
				-21.00000	20.00000	99.75000	0.0	0.0	-0.073956	*
				-20.00000	20.00000	99.75000	0.0	0.0	-0.075174	*
				-19.00000	20.00000	99.75000	0.0	0.0	-0.075870	*
				-18.00000	20.00000	99.75000	0.0	0.0	-0.076030	*
				-17.00000	20.00000	99.75000	0.0	0.0	-0.075648	*
				-16.00000	20.00000	99.75000	0.0	0.0	-0.074735	*
				-15.00000	20.00000	99.75000	0.0	0.0	-0.073311	*
				-14.00000	20.00000	99.75000	0.0	0.0	-0.071409	*
				-13.00000	20.00000	99.75000	0.0	0.0	-0.069071	*
				-12.00000	20.00000	99.75000	0.0	0.0	-0.066349	*
				-11.00000	20.00000	99.75000	0.0	0.0	-0.063301	*
				-10.00000	20.00000	99.75000	0.0	0.0	-0.059989	*
				-9.00000	20.00000	99.75000	0.0	0.0	-0.056477	*
				-8.00000	20.00000	99.75000	0.0	0.0	-0.052828	*
				-7.00000	20.00000	99.75000	0.0	0.0	-0.049101	*
				-6.00000	20.00000	99.75000	0.0	0.0	-0.045352	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No. LJ20089	Sheet No.	Rev.
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-5.00000	20.00000	99.75000	0.0	0.0	-0.041629	*
				-4.00000	20.00000	99.75000	0.0	0.0	-0.037974	*
				-3.00000	20.00000	99.75000	0.0	0.0	-0.034420	*
				-2.00000	20.00000	99.75000	0.0	0.0	-0.030995	*
				-1.00000	20.00000	99.75000	0.0	0.0	-0.027719	*
				0.00000	20.00000	99.75000	0.0	0.0	-0.024606	*
				1.00000	20.00000	99.75000	0.0	0.0	0.0	
				2.00000	20.00000	99.75000	0.0	0.0	0.0	
				3.00000	20.00000	99.75000	0.0	0.0	0.0	
				4.00000	20.00000	99.75000	0.0	0.0	0.0	
				5.00000	20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	21.00000	99.75000	0.0	0.0	-0.012765	*
				-39.00000	21.00000	99.75000	0.0	0.0	-0.014980	*
				-38.00000	21.00000	99.75000	0.0	0.0	-0.017342	*
				-37.00000	21.00000	99.75000	0.0	0.0	-0.019851	*
				-36.00000	21.00000	99.75000	0.0	0.0	-0.022503	*
				-35.00000	21.00000	99.75000	0.0	0.0	-0.025289	*
				-34.00000	21.00000	99.75000	0.0	0.0	-0.028199	*
				-33.00000	21.00000	99.75000	0.0	0.0	-0.031216	*
				-32.00000	21.00000	99.75000	0.0	0.0	-0.034319	*
				-31.00000	21.00000	99.75000	0.0	0.0	-0.037482	*
				-30.00000	21.00000	99.75000	0.0	0.0	-0.040672	*
				-29.00000	21.00000	99.75000	0.0	0.0	-0.043853	*
				-28.00000	21.00000	99.75000	0.0	0.0	-0.046981	*
				-27.00000	21.00000	99.75000	0.0	0.0	-0.050011	*
				-26.00000	21.00000	99.75000	0.0	0.0	-0.052893	*
				-25.00000	21.00000	99.75000	0.0	0.0	-0.055576	*
				-24.00000	21.00000	99.75000	0.0	0.0	-0.058009	*
				-23.00000	21.00000	99.75000	0.0	0.0	-0.060146	*
				-22.00000	21.00000	99.75000	0.0	0.0	-0.061942	*
				-21.00000	21.00000	99.75000	0.0	0.0	-0.063359	*
				-20.00000	21.00000	99.75000	0.0	0.0	-0.064367	*
				-19.00000	21.00000	99.75000	0.0	0.0	-0.064943	*
				-18.00000	21.00000	99.75000	0.0	0.0	-0.065075	*
				-17.00000	21.00000	99.75000	0.0	0.0	-0.064760	*
				-16.00000	21.00000	99.75000	0.0	0.0	-0.064004	*
				-15.00000	21.00000	99.75000	0.0	0.0	-0.062824	*
				-14.00000	21.00000	99.75000	0.0	0.0	-0.061247	*
				-13.00000	21.00000	99.75000	0.0	0.0	-0.059305	*
				-12.00000	21.00000	99.75000	0.0	0.0	-0.057040	*
				-11.00000	21.00000	99.75000	0.0	0.0	-0.054497	*
				-10.00000	21.00000	99.75000	0.0	0.0	-0.051725	*
				-9.00000	21.00000	99.75000	0.0	0.0	-0.048775	*
				-8.00000	21.00000	99.75000	0.0	0.0	-0.045698	*
				-7.00000	21.00000	99.75000	0.0	0.0	-0.042541	*
				-6.00000	21.00000	99.75000	0.0	0.0	-0.039351	*
				-5.00000	21.00000	99.75000	0.0	0.0	-0.036167	*
				-4.00000	21.00000	99.75000	0.0	0.0	-0.033024	*
				-3.00000	21.00000	99.75000	0.0	0.0	-0.029953	*
				-2.00000	21.00000	99.75000	0.0	0.0	-0.026978	*
				-1.00000	21.00000	99.75000	0.0	0.0	-0.024117	*
				0.00000	21.00000	99.75000	0.0	0.0	-0.021385	*
				1.00000	21.00000	99.75000	0.0	0.0	0.0	
				2.00000	21.00000	99.75000	0.0	0.0	0.0	
				3.00000	21.00000	99.75000	0.0	0.0	0.0	
				4.00000	21.00000	99.75000	0.0	0.0	0.0	
				5.00000	21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	22.00000	99.75000	0.0	0.0	-0.010773	*
				-39.00000	22.00000	99.75000	0.0	0.0	-0.012746	*
				-38.00000	22.00000	99.75000	0.0	0.0	-0.014843	*
				-37.00000	22.00000	99.75000	0.0	0.0	-0.017061	*
				-36.00000	22.00000	99.75000	0.0	0.0	-0.019394	*
				-35.00000	22.00000	99.75000	0.0	0.0	-0.021834	*
				-34.00000	22.00000	99.75000	0.0	0.0	-0.024371	*
				-33.00000	22.00000	99.75000	0.0	0.0	-0.026988	*
				-32.00000	22.00000	99.75000	0.0	0.0	-0.029668	*
				-31.00000	22.00000	99.75000	0.0	0.0	-0.032387	*
				-30.00000	22.00000	99.75000	0.0	0.0	-0.035117	*
				-29.00000	22.00000	99.75000	0.0	0.0	-0.037826	*
				-28.00000	22.00000	99.75000	0.0	0.0	-0.040480	*
				-27.00000	22.00000	99.75000	0.0	0.0	-0.043041	*
				-26.00000	22.00000	99.75000	0.0	0.0	-0.045468	*
				-25.00000	22.00000	99.75000	0.0	0.0	-0.047720	*
				-24.00000	22.00000	99.75000	0.0	0.0	-0.049759	*
				-23.00000	22.00000	99.75000	0.0	0.0	-0.051544	*
				-22.00000	22.00000	99.75000	0.0	0.0	-0.053042	*
				-21.00000	22.00000	99.75000	0.0	0.0	-0.054222	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-20.00000	22.00000	99.75000	0.0	0.0	-0.055060	*
				-19.00000	22.00000	99.75000	0.0	0.0	-0.055539	*
				-18.00000	22.00000	99.75000	0.0	0.0	-0.055649	*
				-17.00000	22.00000	99.75000	0.0	0.0	-0.055387	*
				-16.00000	22.00000	99.75000	0.0	0.0	-0.054758	*
				-15.00000	22.00000	99.75000	0.0	0.0	-0.053776	*
				-14.00000	22.00000	99.75000	0.0	0.0	-0.052462	*
				-13.00000	22.00000	99.75000	0.0	0.0	-0.050841	*
				-12.00000	22.00000	99.75000	0.0	0.0	-0.048947	*
				-11.00000	22.00000	99.75000	0.0	0.0	-0.046815	*
				-10.00000	22.00000	99.75000	0.0	0.0	-0.044485	*
				-9.00000	22.00000	99.75000	0.0	0.0	-0.041997	*
				-8.00000	22.00000	99.75000	0.0	0.0	-0.039392	*
				-7.00000	22.00000	99.75000	0.0	0.0	-0.036710	*
				-6.00000	22.00000	99.75000	0.0	0.0	-0.033988	*
				-5.00000	22.00000	99.75000	0.0	0.0	-0.031258	*
				-4.00000	22.00000	99.75000	0.0	0.0	-0.028552	*
				-3.00000	22.00000	99.75000	0.0	0.0	-0.025895	*
				-2.00000	22.00000	99.75000	0.0	0.0	-0.023308	*
				-1.00000	22.00000	99.75000	0.0	0.0	-0.020809	*
				0.00000	22.00000	99.75000	0.0	0.0	-0.018412	*
				1.00000	22.00000	99.75000	0.0	0.0	0.0	
				2.00000	22.00000	99.75000	0.0	0.0	0.0	
				3.00000	22.00000	99.75000	0.0	0.0	0.0	
				4.00000	22.00000	99.75000	0.0	0.0	0.0	
				5.00000	22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	23.00000	99.75000	0.0	0.0	-0.0089096	*
				-39.00000	23.00000	99.75000	0.0	0.0	-0.010666	*
				-38.00000	23.00000	99.75000	0.0	0.0	-0.012526	*
				-37.00000	23.00000	99.75000	0.0	0.0	-0.014484	*
				-36.00000	23.00000	99.75000	0.0	0.0	-0.016537	*
				-35.00000	23.00000	99.75000	0.0	0.0	-0.018674	*
				-34.00000	23.00000	99.75000	0.0	0.0	-0.020887	*
				-33.00000	23.00000	99.75000	0.0	0.0	-0.023160	*
				-32.00000	23.00000	99.75000	0.0	0.0	-0.025478	*
				-31.00000	23.00000	99.75000	0.0	0.0	-0.027819	*
				-30.00000	23.00000	99.75000	0.0	0.0	-0.030160	*
				-29.00000	23.00000	99.75000	0.0	0.0	-0.032474	*
				-28.00000	23.00000	99.75000	0.0	0.0	-0.034733	*
				-27.00000	23.00000	99.75000	0.0	0.0	-0.036905	*
				-26.00000	23.00000	99.75000	0.0	0.0	-0.038956	*
				-25.00000	23.00000	99.75000	0.0	0.0	-0.040855	*
				-24.00000	23.00000	99.75000	0.0	0.0	-0.042569	*
				-23.00000	23.00000	99.75000	0.0	0.0	-0.044068	*
				-22.00000	23.00000	99.75000	0.0	0.0	-0.045322	*
				-21.00000	23.00000	99.75000	0.0	0.0	-0.046310	*
				-20.00000	23.00000	99.75000	0.0	0.0	-0.047011	*
				-19.00000	23.00000	99.75000	0.0	0.0	-0.047411	*
				-18.00000	23.00000	99.75000	0.0	0.0	-0.047502	*
				-17.00000	23.00000	99.75000	0.0	0.0	-0.047283	*
				-16.00000	23.00000	99.75000	0.0	0.0	-0.046758	*
				-15.00000	23.00000	99.75000	0.0	0.0	-0.045937	*
				-14.00000	23.00000	99.75000	0.0	0.0	-0.044836	*
				-13.00000	23.00000	99.75000	0.0	0.0	-0.043478	*
				-12.00000	23.00000	99.75000	0.0	0.0	-0.041886	*
				-11.00000	23.00000	99.75000	0.0	0.0	-0.040092	*
				-10.00000	23.00000	99.75000	0.0	0.0	-0.038126	*
				-9.00000	23.00000	99.75000	0.0	0.0	-0.036020	*
				-8.00000	23.00000	99.75000	0.0	0.0	-0.033808	*
				-7.00000	23.00000	99.75000	0.0	0.0	-0.031522	*
				-6.00000	23.00000	99.75000	0.0	0.0	-0.029193	*
				-5.00000	23.00000	99.75000	0.0	0.0	-0.026848	*
				-4.00000	23.00000	99.75000	0.0	0.0	-0.024514	*
				-3.00000	23.00000	99.75000	0.0	0.0	-0.022212	*
				-2.00000	23.00000	99.75000	0.0	0.0	-0.019961	*
				-1.00000	23.00000	99.75000	0.0	0.0	-0.017778	*
				0.00000	23.00000	99.75000	0.0	0.0	-0.015674	*
				1.00000	23.00000	99.75000	0.0	0.0	0.0	
				2.00000	23.00000	99.75000	0.0	0.0	0.0	
				3.00000	23.00000	99.75000	0.0	0.0	0.0	
				4.00000	23.00000	99.75000	0.0	0.0	0.0	
				5.00000	23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	24.00000	99.75000	0.0	0.0	-0.0071735	*
				-39.00000	24.00000	99.75000	0.0	0.0	-0.0087355	*
				-38.00000	24.00000	99.75000	0.0	0.0	-0.010383	*
				-37.00000	24.00000	99.75000	0.0	0.0	-0.012112	*
				-36.00000	24.00000	99.75000	0.0	0.0	-0.013917	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-35.00000	24.00000	99.75000	0.0	0.0	-0.015790	*
				-34.00000	24.00000	99.75000	0.0	0.0	-0.017720	*
				-33.00000	24.00000	99.75000	0.0	0.0	-0.019697	*
				-32.00000	24.00000	99.75000	0.0	0.0	-0.021703	*
				-31.00000	24.00000	99.75000	0.0	0.0	-0.023723	*
				-30.00000	24.00000	99.75000	0.0	0.0	-0.025734	*
				-29.00000	24.00000	99.75000	0.0	0.0	-0.027716	*
				-28.00000	24.00000	99.75000	0.0	0.0	-0.029644	*
				-27.00000	24.00000	99.75000	0.0	0.0	-0.031491	*
				-26.00000	24.00000	99.75000	0.0	0.0	-0.033232	*
				-25.00000	24.00000	99.75000	0.0	0.0	-0.034838	*
				-24.00000	24.00000	99.75000	0.0	0.0	-0.036285	*
				-23.00000	24.00000	99.75000	0.0	0.0	-0.037548	*
				-22.00000	24.00000	99.75000	0.0	0.0	-0.038603	*
				-21.00000	24.00000	99.75000	0.0	0.0	-0.039433	*
				-20.00000	24.00000	99.75000	0.0	0.0	-0.040021	*
				-19.00000	24.00000	99.75000	0.0	0.0	-0.040357	*
				-18.00000	24.00000	99.75000	0.0	0.0	-0.040433	*
				-17.00000	24.00000	99.75000	0.0	0.0	-0.040249	*
				-16.00000	24.00000	99.75000	0.0	0.0	-0.039809	*
				-15.00000	24.00000	99.75000	0.0	0.0	-0.039119	*
				-14.00000	24.00000	99.75000	0.0	0.0	-0.038194	*
				-13.00000	24.00000	99.75000	0.0	0.0	-0.037050	*
				-12.00000	24.00000	99.75000	0.0	0.0	-0.035709	*
				-11.00000	24.00000	99.75000	0.0	0.0	-0.034193	*
				-10.00000	24.00000	99.75000	0.0	0.0	-0.032527	*
				-9.00000	24.00000	99.75000	0.0	0.0	-0.030739	*
				-8.00000	24.00000	99.75000	0.0	0.0	-0.028855	*
				-7.00000	24.00000	99.75000	0.0	0.0	-0.026901	*
				-6.00000	24.00000	99.75000	0.0	0.0	-0.024904	*
				-5.00000	24.00000	99.75000	0.0	0.0	-0.022886	*
				-4.00000	24.00000	99.75000	0.0	0.0	-0.020869	*
				-3.00000	24.00000	99.75000	0.0	0.0	-0.018873	*
				-2.00000	24.00000	99.75000	0.0	0.0	-0.016913	*
				-1.00000	24.00000	99.75000	0.0	0.0	-0.015005	*
				0.00000	24.00000	99.75000	0.0	0.0	-0.013159	*
				1.00000	24.00000	99.75000	0.0	0.0	0.0	
				2.00000	24.00000	99.75000	0.0	0.0	0.0	
				3.00000	24.00000	99.75000	0.0	0.0	0.0	
				4.00000	24.00000	99.75000	0.0	0.0	0.0	
				5.00000	24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	25.00000	99.75000	0.0	0.0	-0.0055610	*
				-39.00000	25.00000	99.75000	0.0	0.0	-0.0069481	*
				-38.00000	25.00000	99.75000	0.0	0.0	-0.0084065	*
				-37.00000	25.00000	99.75000	0.0	0.0	-0.0099320	*
				-36.00000	25.00000	99.75000	0.0	0.0	-0.011519	*
				-35.00000	25.00000	99.75000	0.0	0.0	-0.013160	*
				-34.00000	25.00000	99.75000	0.0	0.0	-0.014846	*
				-33.00000	25.00000	99.75000	0.0	0.0	-0.016565	*
				-32.00000	25.00000	99.75000	0.0	0.0	-0.018305	*
				-31.00000	25.00000	99.75000	0.0	0.0	-0.020049	*
				-30.00000	25.00000	99.75000	0.0	0.0	-0.021781	*
				-29.00000	25.00000	99.75000	0.0	0.0	-0.023482	*
				-28.00000	25.00000	99.75000	0.0	0.0	-0.025131	*
				-27.00000	25.00000	99.75000	0.0	0.0	-0.026707	*
				-26.00000	25.00000	99.75000	0.0	0.0	-0.028188	*
				-25.00000	25.00000	99.75000	0.0	0.0	-0.029552	*
				-24.00000	25.00000	99.75000	0.0	0.0	-0.030777	*
				-23.00000	25.00000	99.75000	0.0	0.0	-0.031845	*
				-22.00000	25.00000	99.75000	0.0	0.0	-0.032736	*
				-21.00000	25.00000	99.75000	0.0	0.0	-0.033436	*
				-20.00000	25.00000	99.75000	0.0	0.0	-0.033931	*
				-19.00000	25.00000	99.75000	0.0	0.0	-0.034214	*
				-18.00000	25.00000	99.75000	0.0	0.0	-0.034279	*
				-17.00000	25.00000	99.75000	0.0	0.0	-0.034124	*
				-16.00000	25.00000	99.75000	0.0	0.0	-0.033752	*
				-15.00000	25.00000	99.75000	0.0	0.0	-0.033171	*
				-14.00000	25.00000	99.75000	0.0	0.0	-0.032391	*
				-13.00000	25.00000	99.75000	0.0	0.0	-0.031424	*
				-12.00000	25.00000	99.75000	0.0	0.0	-0.030289	*
				-11.00000	25.00000	99.75000	0.0	0.0	-0.029004	*
				-10.00000	25.00000	99.75000	0.0	0.0	-0.027589	*
				-9.00000	25.00000	99.75000	0.0	0.0	-0.026065	*
				-8.00000	25.00000	99.75000	0.0	0.0	-0.024456	*
				-7.00000	25.00000	99.75000	0.0	0.0	-0.022783	*
				-6.00000	25.00000	99.75000	0.0	0.0	-0.021067	*
				-5.00000	25.00000	99.75000	0.0	0.0	-0.019327	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-4.00000	25.00000	99.75000	0.0	0.0	-0.017582	*
				-3.00000	25.00000	99.75000	0.0	0.0	-0.015849	*
				-2.00000	25.00000	99.75000	0.0	0.0	-0.014142	*
				-1.00000	25.00000	99.75000	0.0	0.0	-0.012473	*
				0.00000	25.00000	99.75000	0.0	0.0	-0.010853	*
				1.00000	25.00000	99.75000	0.0	0.0	0.0	
				2.00000	25.00000	99.75000	0.0	0.0	0.0	
				3.00000	25.00000	99.75000	0.0	0.0	0.0	
				4.00000	25.00000	99.75000	0.0	0.0	0.0	
				5.00000	25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	26.00000	99.75000	0.0	0.0	-0.0040676	*
				-39.00000	26.00000	99.75000	0.0	0.0	-0.0052983	*
				-38.00000	26.00000	99.75000	0.0	0.0	-0.0065882	*
				-37.00000	26.00000	99.75000	0.0	0.0	-0.0079335	*
				-36.00000	26.00000	99.75000	0.0	0.0	-0.0093285	*
				-35.00000	26.00000	99.75000	0.0	0.0	-0.010766	*
				-34.00000	26.00000	99.75000	0.0	0.0	-0.012239	*
				-33.00000	26.00000	99.75000	0.0	0.0	-0.013735	*
				-32.00000	26.00000	99.75000	0.0	0.0	-0.015245	*
				-31.00000	26.00000	99.75000	0.0	0.0	-0.016754	*
				-30.00000	26.00000	99.75000	0.0	0.0	-0.018248	*
				-29.00000	26.00000	99.75000	0.0	0.0	-0.019710	*
				-28.00000	26.00000	99.75000	0.0	0.0	-0.021124	*
				-27.00000	26.00000	99.75000	0.0	0.0	-0.022472	*
				-26.00000	26.00000	99.75000	0.0	0.0	-0.023735	*
				-25.00000	26.00000	99.75000	0.0	0.0	-0.024896	*
				-24.00000	26.00000	99.75000	0.0	0.0	-0.025938	*
				-23.00000	26.00000	99.75000	0.0	0.0	-0.026844	*
				-22.00000	26.00000	99.75000	0.0	0.0	-0.027599	*
				-21.00000	26.00000	99.75000	0.0	0.0	-0.028191	*
				-20.00000	26.00000	99.75000	0.0	0.0	-0.028610	*
				-19.00000	26.00000	99.75000	0.0	0.0	-0.028849	*
				-18.00000	26.00000	99.75000	0.0	0.0	-0.028904	*
				-17.00000	26.00000	99.75000	0.0	0.0	-0.028773	*
				-16.00000	26.00000	99.75000	0.0	0.0	-0.028459	*
				-15.00000	26.00000	99.75000	0.0	0.0	-0.027967	*
				-14.00000	26.00000	99.75000	0.0	0.0	-0.027306	*
				-13.00000	26.00000	99.75000	0.0	0.0	-0.026487	*
				-12.00000	26.00000	99.75000	0.0	0.0	-0.025523	*
				-11.00000	26.00000	99.75000	0.0	0.0	-0.024430	*
				-10.00000	26.00000	99.75000	0.0	0.0	-0.023224	*
				-9.00000	26.00000	99.75000	0.0	0.0	-0.021924	*
				-8.00000	26.00000	99.75000	0.0	0.0	-0.020546	*
				-7.00000	26.00000	99.75000	0.0	0.0	-0.019110	*
				-6.00000	26.00000	99.75000	0.0	0.0	-0.017632	*
				-5.00000	26.00000	99.75000	0.0	0.0	-0.016130	*
				-4.00000	26.00000	99.75000	0.0	0.0	-0.014619	*
				-3.00000	26.00000	99.75000	0.0	0.0	-0.013113	*
				-2.00000	26.00000	99.75000	0.0	0.0	-0.011625	*
				-1.00000	26.00000	99.75000	0.0	0.0	-0.010165	*
				0.00000	26.00000	99.75000	0.0	0.0	-0.0087439	*
				1.00000	26.00000	99.75000	0.0	0.0	0.0	
				2.00000	26.00000	99.75000	0.0	0.0	0.0	
				3.00000	26.00000	99.75000	0.0	0.0	0.0	
				4.00000	26.00000	99.75000	0.0	0.0	0.0	
				5.00000	26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	27.00000	99.75000	0.0	0.0	-0.0026885	*
				-39.00000	27.00000	99.75000	0.0	0.0	-0.0037791	*
				-38.00000	27.00000	99.75000	0.0	0.0	-0.0049193	*
				-37.00000	27.00000	99.75000	0.0	0.0	-0.0061048	*
				-36.00000	27.00000	99.75000	0.0	0.0	-0.0073308	*
				-35.00000	27.00000	99.75000	0.0	0.0	-0.0085907	*
				-34.00000	27.00000	99.75000	0.0	0.0	-0.0098770	*
				-33.00000	27.00000	99.75000	0.0	0.0	-0.011181	*
				-32.00000	27.00000	99.75000	0.0	0.0	-0.012492	*
				-31.00000	27.00000	99.75000	0.0	0.0	-0.013799	*
				-30.00000	27.00000	99.75000	0.0	0.0	-0.015089	*
				-29.00000	27.00000	99.75000	0.0	0.0	-0.016348	*
				-28.00000	27.00000	99.75000	0.0	0.0	-0.017563	*
				-27.00000	27.00000	99.75000	0.0	0.0	-0.018718	*
				-26.00000	27.00000	99.75000	0.0	0.0	-0.019799	*
				-25.00000	27.00000	99.75000	0.0	0.0	-0.020790	*
				-24.00000	27.00000	99.75000	0.0	0.0	-0.021677	*
				-23.00000	27.00000	99.75000	0.0	0.0	-0.022448	*
				-22.00000	27.00000	99.75000	0.0	0.0	-0.023090	*
				-21.00000	27.00000	99.75000	0.0	0.0	-0.023593	*
				-20.00000	27.00000	99.75000	0.0	0.0	-0.023948	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-19.00000	27.00000	99.75000	0.0	0.0	-0.024151	*
				-18.00000	27.00000	99.75000	0.0	0.0	-0.024197	*
				-17.00000	27.00000	99.75000	0.0	0.0	-0.024086	*
				-16.00000	27.00000	99.75000	0.0	0.0	-0.023820	*
				-15.00000	27.00000	99.75000	0.0	0.0	-0.023402	*
				-14.00000	27.00000	99.75000	0.0	0.0	-0.022841	*
				-13.00000	27.00000	99.75000	0.0	0.0	-0.022145	*
				-12.00000	27.00000	99.75000	0.0	0.0	-0.021324	*
				-11.00000	27.00000	99.75000	0.0	0.0	-0.020392	*
				-10.00000	27.00000	99.75000	0.0	0.0	-0.019362	*
				-9.00000	27.00000	99.75000	0.0	0.0	-0.018248	*
				-8.00000	27.00000	99.75000	0.0	0.0	-0.017067	*
				-7.00000	27.00000	99.75000	0.0	0.0	-0.015831	*
				-6.00000	27.00000	99.75000	0.0	0.0	-0.014557	*
				-5.00000	27.00000	99.75000	0.0	0.0	-0.013258	*
				-4.00000	27.00000	99.75000	0.0	0.0	-0.011948	*
				-3.00000	27.00000	99.75000	0.0	0.0	-0.010639	*
				-2.00000	27.00000	99.75000	0.0	0.0	-0.0093409	*
				-1.00000	27.00000	99.75000	0.0	0.0	-0.0080644	*
				0.00000	27.00000	99.75000	0.0	0.0	-0.0068176	*
				1.00000	27.00000	99.75000	0.0	0.0	0.0	
				2.00000	27.00000	99.75000	0.0	0.0	0.0	
				3.00000	27.00000	99.75000	0.0	0.0	0.0	
				4.00000	27.00000	99.75000	0.0	0.0	0.0	
				5.00000	27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	28.00000	99.75000	0.0	0.0	-0.0014184	*
				-39.00000	28.00000	99.75000	0.0	0.0	-0.0023839	*
				-38.00000	28.00000	99.75000	0.0	0.0	-0.0033907	*
				-37.00000	28.00000	99.75000	0.0	0.0	-0.0044349	*
				-36.00000	28.00000	99.75000	0.0	0.0	-0.0055118	*
				-35.00000	28.00000	99.75000	0.0	0.0	-0.0066157	*
				-34.00000	28.00000	99.75000	0.0	0.0	-0.0077396	*
				-33.00000	28.00000	99.75000	0.0	0.0	-0.0088757	*
				-32.00000	28.00000	99.75000	0.0	0.0	-0.0100015	*
				-31.00000	28.00000	99.75000	0.0	0.0	-0.011148	*
				-30.00000	28.00000	99.75000	0.0	0.0	-0.012263	*
				-29.00000	28.00000	99.75000	0.0	0.0	-0.013350	*
				-28.00000	28.00000	99.75000	0.0	0.0	-0.014395	*
				-27.00000	28.00000	99.75000	0.0	0.0	-0.015387	*
				-26.00000	28.00000	99.75000	0.0	0.0	-0.016314	*
				-25.00000	28.00000	99.75000	0.0	0.0	-0.017162	*
				-24.00000	28.00000	99.75000	0.0	0.0	-0.017920	*
				-23.00000	28.00000	99.75000	0.0	0.0	-0.018577	*
				-22.00000	28.00000	99.75000	0.0	0.0	-0.019124	*
				-21.00000	28.00000	99.75000	0.0	0.0	-0.019552	*
				-20.00000	28.00000	99.75000	0.0	0.0	-0.019854	*
				-19.00000	28.00000	99.75000	0.0	0.0	-0.020027	*
				-18.00000	28.00000	99.75000	0.0	0.0	-0.020066	*
				-17.00000	28.00000	99.75000	0.0	0.0	-0.019971	*
				-16.00000	28.00000	99.75000	0.0	0.0	-0.019745	*
				-15.00000	28.00000	99.75000	0.0	0.0	-0.019390	*
				-14.00000	28.00000	99.75000	0.0	0.0	-0.018912	*
				-13.00000	28.00000	99.75000	0.0	0.0	-0.018318	*
				-12.00000	28.00000	99.75000	0.0	0.0	-0.017618	*
				-11.00000	28.00000	99.75000	0.0	0.0	-0.016821	*
				-10.00000	28.00000	99.75000	0.0	0.0	-0.015939	*
				-9.00000	28.00000	99.75000	0.0	0.0	-0.014984	*
				-8.00000	28.00000	99.75000	0.0	0.0	-0.013968	*
				-7.00000	28.00000	99.75000	0.0	0.0	-0.012904	*
				-6.00000	28.00000	99.75000	0.0	0.0	-0.011804	*
				-5.00000	28.00000	99.75000	0.0	0.0	-0.010680	*
				-4.00000	28.00000	99.75000	0.0	0.0	-0.0095432	*
				-3.00000	28.00000	99.75000	0.0	0.0	-0.0084038	*
				-2.00000	28.00000	99.75000	0.0	0.0	-0.0072716	*
				-1.00000	28.00000	99.75000	0.0	0.0	-0.0061549	*
				0.00000	28.00000	99.75000	0.0	0.0	-0.0050614	*
				1.00000	28.00000	99.75000	0.0	0.0	0.0	
				2.00000	28.00000	99.75000	0.0	0.0	0.0	
				3.00000	28.00000	99.75000	0.0	0.0	0.0	
				4.00000	28.00000	99.75000	0.0	0.0	0.0	
				5.00000	28.00000	99.75000	0.0	0.0	0.0	
				-40.00000	29.00000	99.75000	0.0	0.0	-251.69E-6	*
				-39.00000	29.00000	99.75000	0.0	0.0	-0.0011054	*
				-38.00000	29.00000	99.75000	0.0	0.0	-0.0019936	*
				-37.00000	29.00000	99.75000	0.0	0.0	-0.0029127	*
				-36.00000	29.00000	99.75000	0.0	0.0	-0.0038583	*
				-35.00000	29.00000	99.75000	0.0	0.0	-0.0048252	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-34.00000	29.00000	99.75000	0.0	0.0	-0.0058073	*
				-33.00000	29.00000	99.75000	0.0	0.0	-0.0067976	*
				-32.00000	29.00000	99.75000	0.0	0.0	-0.0077885	*
				-31.00000	29.00000	99.75000	0.0	0.0	-0.0087712	*
				-30.00000	29.00000	99.75000	0.0	0.0	-0.0097367	*
				-29.00000	29.00000	99.75000	0.0	0.0	-0.010675	*
				-28.00000	29.00000	99.75000	0.0	0.0	-0.011576	*
				-27.00000	29.00000	99.75000	0.0	0.0	-0.012429	*
				-26.00000	29.00000	99.75000	0.0	0.0	-0.013225	*
				-25.00000	29.00000	99.75000	0.0	0.0	-0.013952	*
				-24.00000	29.00000	99.75000	0.0	0.0	-0.014601	*
				-23.00000	29.00000	99.75000	0.0	0.0	-0.015163	*
				-22.00000	29.00000	99.75000	0.0	0.0	-0.015630	*
				-21.00000	29.00000	99.75000	0.0	0.0	-0.015995	*
				-20.00000	29.00000	99.75000	0.0	0.0	-0.016253	*
				-19.00000	29.00000	99.75000	0.0	0.0	-0.016400	*
				-18.00000	29.00000	99.75000	0.0	0.0	-0.016433	*
				-17.00000	29.00000	99.75000	0.0	0.0	-0.016353	*
				-16.00000	29.00000	99.75000	0.0	0.0	-0.016160	*
				-15.00000	29.00000	99.75000	0.0	0.0	-0.015857	*
				-14.00000	29.00000	99.75000	0.0	0.0	-0.015449	*
				-13.00000	29.00000	99.75000	0.0	0.0	-0.014941	*
				-12.00000	29.00000	99.75000	0.0	0.0	-0.014342	*
				-11.00000	29.00000	99.75000	0.0	0.0	-0.013660	*
				-10.00000	29.00000	99.75000	0.0	0.0	-0.012903	*
				-9.00000	29.00000	99.75000	0.0	0.0	-0.012083	*
				-8.00000	29.00000	99.75000	0.0	0.0	-0.011208	*
				-7.00000	29.00000	99.75000	0.0	0.0	-0.010290	*
				-6.00000	29.00000	99.75000	0.0	0.0	-0.0093395	*
				-5.00000	29.00000	99.75000	0.0	0.0	-0.0083656	*
				-4.00000	29.00000	99.75000	0.0	0.0	-0.0073783	*
				-3.00000	29.00000	99.75000	0.0	0.0	-0.0063866	*
				-2.00000	29.00000	99.75000	0.0	0.0	-0.0053986	*
				-1.00000	29.00000	99.75000	0.0	0.0	-0.0044219	*
				0.00000	29.00000	99.75000	0.0	0.0	-0.0034631	*
				1.00000	29.00000	99.75000	0.0	0.0	0.0	
				2.00000	29.00000	99.75000	0.0	0.0	0.0	
				3.00000	29.00000	99.75000	0.0	0.0	0.0	
				4.00000	29.00000	99.75000	0.0	0.0	0.0	
				5.00000	29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	30.00000	99.75000	0.0	0.0	817.19E-6	*
				-39.00000	30.00000	99.75000	0.0	0.0	63.295E-6	*
				-38.00000	30.00000	99.75000	0.0	0.0	-719.46E-6	*
				-37.00000	30.00000	99.75000	0.0	0.0	-0.0015278	*
				-36.00000	30.00000	99.75000	0.0	0.0	-0.0023576	*
				-35.00000	30.00000	99.75000	0.0	0.0	-0.0032042	*
				-34.00000	30.00000	99.75000	0.0	0.0	-0.0040623	*
				-33.00000	30.00000	99.75000	0.0	0.0	-0.0049256	*
				-32.00000	30.00000	99.75000	0.0	0.0	-0.0057875	*
				-31.00000	30.00000	99.75000	0.0	0.0	-0.0066406	*
				-30.00000	30.00000	99.75000	0.0	0.0	-0.0074769	*
				-29.00000	30.00000	99.75000	0.0	0.0	-0.0082881	*
				-28.00000	30.00000	99.75000	0.0	0.0	-0.0090657	*
				-27.00000	30.00000	99.75000	0.0	0.0	-0.0098007	*
				-26.00000	30.00000	99.75000	0.0	0.0	-0.010485	*
				-25.00000	30.00000	99.75000	0.0	0.0	-0.011109	*
				-24.00000	30.00000	99.75000	0.0	0.0	-0.011666	*
				-23.00000	30.00000	99.75000	0.0	0.0	-0.012147	*
				-22.00000	30.00000	99.75000	0.0	0.0	-0.012547	*
				-21.00000	30.00000	99.75000	0.0	0.0	-0.012859	*
				-20.00000	30.00000	99.75000	0.0	0.0	-0.013079	*
				-19.00000	30.00000	99.75000	0.0	0.0	-0.013205	*
				-18.00000	30.00000	99.75000	0.0	0.0	-0.013233	*
				-17.00000	30.00000	99.75000	0.0	0.0	-0.013165	*
				-16.00000	30.00000	99.75000	0.0	0.0	-0.013000	*
				-15.00000	30.00000	99.75000	0.0	0.0	-0.012741	*
				-14.00000	30.00000	99.75000	0.0	0.0	-0.012392	*
				-13.00000	30.00000	99.75000	0.0	0.0	-0.011957	*
				-12.00000	30.00000	99.75000	0.0	0.0	-0.011444	*
				-11.00000	30.00000	99.75000	0.0	0.0	-0.010858	*
				-10.00000	30.00000	99.75000	0.0	0.0	-0.010208	*
				-9.00000	30.00000	99.75000	0.0	0.0	-0.0095022	*
				-8.00000	30.00000	99.75000	0.0	0.0	-0.0087484	*
				-7.00000	30.00000	99.75000	0.0	0.0	-0.0079558	*
				-6.00000	30.00000	99.75000	0.0	0.0	-0.0071330	*
				-5.00000	30.00000	99.75000	0.0	0.0	-0.0062887	*
				-4.00000	30.00000	99.75000	0.0	0.0	-0.0054310	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-3.00000	30.00000	99.75000	0.0	0.0	-0.0045675	*
				-2.00000	30.00000	99.75000	0.0	0.0	-0.0037055	*
				-1.00000	30.00000	99.75000	0.0	0.0	-0.0028514	*
				0.00000	30.00000	99.75000	0.0	0.0	-0.0020110	*
				1.00000	30.00000	99.75000	0.0	0.0	0.0	
				2.00000	30.00000	99.75000	0.0	0.0	0.0	
				3.00000	30.00000	99.75000	0.0	0.0	0.0	
				4.00000	30.00000	99.75000	0.0	0.0	0.0	
				5.00000	30.00000	99.75000	0.0	0.0	0.0	

Specific Building Damage Results - Horizontal Displacements

Stage Ref.	Stage δx [m]	Name Specific Building Ref.	Specific Building δH [mm]	Specific Building δH_{perp} [mm]	Name	Sub-building Name	Dist. [m]	x [m]	y
0	Base Model	1			No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	-31.74200	
10.69900	98.25000		0.0	0.0			0.53328	-31.71650	
11.23167	98.25000		0.0	0.0			1.0666	-31.69100	
11.76433	98.25000		0.0	0.0			1.5998	-31.66550	
12.29700	98.25000		0.0	0.0			2.1331	-31.64000	
12.82967	98.25000		0.0	0.0			2.6664	-31.61450	
13.36233	98.25000		0.0	0.0			3.1997	-31.58900	
13.89500	98.25000		0.0	0.0			0.0	-31.58900	
13.89500	98.25000	2			No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	-31.58900	
13.87100	98.25000		0.0	0.0			0.50397	-31.08560	
13.84700	98.25000		0.0	0.0			1.0079	-30.58220	
13.82300	98.25000		0.0	0.0			1.5119	-30.07880	
13.82300	98.25000		0.0	0.0			2.0159	-29.57540	
13.79900	98.25000		0.0	0.0			2.5199	-29.07200	
13.77500	98.25000		0.0	0.0			0.0	-29.07200	
13.77500	98.25000	3			No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	-29.07200	
14.26169	98.25000		0.0	0.0			0.48725	-29.04869	
14.74838	98.25000		0.0	0.0			0.97449	-29.02538	
15.23506	98.25000		0.0	0.0			1.4617	-29.00206	
15.72175	98.25000		0.0	0.0			1.9490	-28.97875	
16.20844	98.25000		0.0	0.0			2.4362	-28.95544	
16.69513	98.25000		0.0	0.0			2.9235	-28.93212	
16.69513	98.25000		0.0	0.0			3.4107	-28.90881	
17.18181	98.25000		0.0	0.0			3.8980	-28.88550	
17.66850	98.25000		0.0	0.0			4.3852	-28.86219	
18.15519	98.25000		0.0	0.0			4.8725	-28.83888	
18.64187	98.25000		0.0	0.0			5.3597	-28.81556	
19.12856	98.25000		0.0	0.0			5.8469	-28.79225	
19.61525	98.25000		0.0	0.0			6.3342	-28.76894	
20.10194	98.25000		0.0	0.0			6.8214	-28.74563	
20.58863	98.25000		0.0	0.0			7.3087	-28.72231	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: z	Stage: δx	Name Ref.	Specific Building: Ref.	Specific δH//	Building: δHperp.	Name	Sub-building Name	Dist.	x	y
21.07531	98.25000		0.0	0.0	0.0	0.0		7.7959	-28.69900	
21.56200	98.25000		0.0	0.0	0.0	0.0				
21.56200	98.25000	4	0.0	No 11	Lyndhurst Terrace	No 11 LG - Line 4		0.0	-28.69900	
21.60100	98.25000		0.0	0.0	0.0	0.0		0.22097	-28.91650	
21.64000	98.25000		0.0	0.0	0.0	0.0		0.44194	-29.13400	
21.64000	98.25000	5	0.0	No 11	Lyndhurst Terrace	No 11 LG - Line 5		0.0	-29.13400	
22.16333	98.25000		0.0	0.0	0.0	0.0		0.52393	-29.10900	
22.68667	98.25000		0.0	0.0	0.0	0.0		1.0479	-29.08400	
23.21000	98.25000		0.0	0.0	0.0	0.0		1.5718	-29.05900	
23.73333	98.25000		0.0	0.0	0.0	0.0		2.0957	-29.03400	
24.25667	98.25000		0.0	0.0	0.0	0.0		2.6197	-29.00900	
24.78000	98.25000		0.0	0.0	0.0	0.0		3.1436	-28.98400	
24.78000	98.25000	6	0.0	No 11	Lyndhurst Terrace	No 11 LG - Line 6		0.0	-28.98400	
24.75592	98.25000		0.0	0.0	0.0	0.0		0.50429	-28.48029	
24.73184	98.25000		0.0	0.0	0.0	0.0		1.0086	-27.97658	
24.70776	98.25000		0.0	0.0	0.0	0.0		1.5129	-27.47287	
24.68368	98.25000		0.0	0.0	0.0	0.0		2.0171	-26.96916	
24.65961	98.25000		0.0	0.0	0.0	0.0		2.5214	-26.46545	
24.63553	98.25000		0.0	0.0	0.0	0.0		2.5214	-26.46545	
24.61145	98.25000		0.0	0.0	0.0	0.0		3.0257	-25.96174	
24.58737	98.25000		0.0	0.0	0.0	0.0		3.5300	-25.45803	
24.56329	98.25000		0.0	0.0	0.0	0.0		4.0343	-24.95432	
24.53921	98.25000		0.0	0.0	0.0	0.0		4.5386	-24.45061	
24.51513	98.25000		0.0	0.0	0.0	0.0		5.0429	-23.94689	
24.49105	98.25000		0.0	0.0	0.0	0.0		5.5471	-23.44318	
24.46697	98.25000		0.0	0.0	0.0	0.0		6.0514	-22.93947	
24.44289	98.25000		0.0	0.0	0.0	0.0		6.5557	-22.43576	
24.41882	98.25000		0.0	0.0	0.0	0.0		7.0600	-21.93205	
24.39474	98.25000		0.0	0.0	0.0	0.0		7.5643	-21.42834	
24.37066	98.25000		0.0	0.0	0.0	0.0		8.0686	-20.92463	
24.34658	98.25000		0.0	0.0	0.0	0.0		8.5729	-20.42092	
24.32250	98.25000		0.0	0.0	0.0	0.0		9.0771	-19.91721	
24.29842	98.25000		0.0	0.0	0.0	0.0		9.5814	-19.41350	
24.27434	98.25000		0.0	0.0	0.0	0.0		10.086	-18.90979	
24.25026	98.25000		0.0	0.0	0.0	0.0		10.590	-18.40608	
24.22618	98.25000		0.0	0.0	0.0	0.0		11.094	-17.90237	
24.20211	98.25000		0.0	0.0	0.0	0.0		11.599	-17.39866	
24.17803	98.25000		0.0	0.0	0.0	0.0		12.103	-16.89495	
24.15395	98.25000		0.0	0.0	0.0	0.0		12.607	-16.39124	
								13.111	-15.88753	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: z	Stage: δx	Name δy Building: Ref.	Specific $\delta H//$	Specific Building: $\delta H_{perp.}$	Name	Sub-building Name	Dist.	x	y
24.12987	98.25000	0.0	0.0	0.0	0.0		13.616	-15.38382	
24.10579	98.25000	0.0	0.0	0.0	0.0		14.120	-14.88011	
24.08171	98.25000	0.0	0.0	0.0	0.0		14.624	-14.37639	
24.05763	98.25000	0.0	0.0	0.0	0.0		15.129	-13.87268	
24.03355	98.25000	0.0	0.0	0.0	0.0		15.633	-13.36897	
24.00947	98.25000	0.0	0.0	0.0	0.0		16.137	-12.86526	
23.98539	98.25000	0.0	0.0	0.0	0.0		16.641	-12.36155	
23.96132	98.25000	0.0	0.0	0.0	0.0		17.146	-11.85784	
23.93724	98.25000	0.0	0.0	0.0	0.0		17.650	-11.35413	
23.91316	98.25000	0.0	0.0	0.0	0.0		18.154	-10.85042	
23.88908	98.25000	0.0	0.0	0.0	0.0		18.659	-10.34671	
23.86500	98.25000	0.0	0.0	0.0	0.0		19.163	-9.84300	
23.86500	98.25000	7	No 11 Lyndhurst Terrace	0.0	No 11 LG - Line 7		0.0	-9.84300	
23.35857	98.25000	0.0	0.0	0.0	0.0		0.50701	-9.86721	
22.85214	98.25000	0.0	0.0	0.0	0.0		1.0140	-9.89143	
22.34571	98.25000	0.0	0.0	0.0	0.0		1.5210	-9.91564	
21.83929	98.25000	0.0	0.0	0.0	0.0		2.0280	-9.93986	
21.33286	98.25000	0.0	0.0	0.0	0.0		2.5350	-9.96407	
20.82643	98.25000	0.0	0.0	0.0	0.0		3.0420	-9.98829	
20.32000	98.25000	0.0	0.0	0.0	0.0		3.5490	-10.01250	
19.81357	98.25000	0.0	0.0	0.0	0.0		4.0561	-10.03671	
19.30714	98.25000	0.0	0.0	0.0	0.0		4.5631	-10.06093	
18.80071	98.25000	0.0	0.0	0.0	0.0		5.0701	-10.08514	
18.29429	98.25000	0.0	0.0	0.0	0.0		5.5771	-10.10936	
17.78786	98.25000	0.0	0.0	0.0	0.0		6.0841	-10.13357	
17.28143	98.25000	0.0	0.0	0.0	0.0		6.5911	-10.15779	
16.77500	98.25000	0.0	0.0	0.0	0.0		7.0981	-10.18200	
16.26857	98.25000	0.0	0.0	0.0	0.0		7.6051	-10.20621	
15.76214	98.25000	0.0	0.0	0.0	0.0		8.1121	-10.23043	
15.25571	98.25000	0.0	0.0	0.0	0.0		8.6191	-10.25464	
14.74929	98.25000	0.0	0.0	0.0	0.0		9.1261	-10.27886	
14.24286	98.25000	0.0	0.0	0.0	0.0		9.6331	-10.30307	
13.73643	98.25000	0.0	0.0	0.0	0.0		10.140	-10.32729	
13.23000	98.25000	0.0	0.0	0.0	0.0		10.647	-10.35150	
12.72357	98.25000	0.0	0.0	0.0	0.0		11.154	-10.37571	
12.21714	98.25000	0.0	0.0	0.0	0.0		11.661	-10.39993	
11.71071	98.25000	0.0	-0.038095	0.038052	0.0018194		12.168	-10.42414	
11.20429	98.25000	0.0	-0.20690	0.20667	0.0098816		12.675	-10.44836	
							13.182	-10.47257	



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 1 - Short Term - Demolition

Stage: z	Stage: δx	Name Ref.	Specific δy Building: Ref.	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
10.69786	98.25000		0.0	-0.37571	0.37529	0.017944		13.689	-10.49679	
10.19143	98.25000		0.0	-0.54452	0.54390	0.026006		14.196	-10.52100	
9.68500	98.25000		0.0	-0.71333	0.71252	0.034068				
9.68500	98.25000	8		-0.71333	-0.034046	0.71252	No 11 Lyndhurst Terrace No 11 LG - Line 8	0.0	-10.52100	
9.70914	98.25000		0.0	-0.70529	-0.033662	0.70448		0.50584	-11.02626	
9.73329	98.25000		0.0	-0.69724	-0.033278	0.69644		1.0117	-11.53152	
9.75743	98.25000		0.0	-0.68919	-0.032894	0.68841		1.5175	-12.03679	
9.78157	98.25000		0.0	-0.68114	-0.032510	0.68037		2.0234	-12.54205	
9.80571	98.25000		0.0	-0.67310	-0.032126	0.67233		2.5292	-13.04731	
9.82986	98.25000		0.0	-0.66505	-0.031742	0.66429		3.0350	-13.55257	
9.85400	98.25000		0.0	-0.65700	-0.031358	0.65625		3.5409	-14.05783	
9.87814	98.25000		0.0	-0.64895	-0.030973	0.64821		4.0467	-14.56310	
9.90229	98.25000		0.0	-0.64090	-0.030589	0.64017		4.5525	-15.06836	
9.92643	98.25000		0.0	-0.63286	-0.030205	0.63214		5.0584	-15.57362	
9.95057	98.25000		0.0	-0.62481	-0.029821	0.62410		5.5642	-16.07888	
9.97471	98.25000		0.0	-0.61676	-0.029437	0.61606		6.0701	-16.58414	
9.99886	98.25000		0.0	-0.60871	-0.029053	0.60802		6.5759	-17.08940	
10.02300	98.25000		0.0	-0.60067	-0.028669	0.59998		7.0817	-17.59467	
10.04714	98.25000		0.0	-0.59232	-0.028271	0.59165		7.5876	-18.09993	
10.07129	98.25000		0.0	-0.52475	-0.025046	0.52415		8.0934	-18.60519	
10.09543	98.25000		0.0	-0.44490	-0.021235	0.44440		8.5993	-19.11045	
10.11957	98.25000		0.0	-0.35976	-0.017171	0.35935		9.1051	-19.61571	
10.14371	98.25000		0.0	-0.27470	-0.013111	0.27438		9.6109	-20.12098	
10.16786	98.25000		0.0	-0.19325	-0.0092234	0.19303		10.117	-20.62624	
10.19200	98.25000		0.0	-0.11738	-0.0056025	0.11725		10.623	-21.13150	
10.21614	98.25000		0.0	-0.047933	-0.0022878	0.047879		11.128	-21.63676	
10.24029	98.25000		0.0	0.0	0.0	0.0		11.634	-22.14202	
10.26443	98.25000		0.0	0.0	0.0	0.0		12.140	-22.64729	
10.28857	98.25000		0.0	0.0	0.0	0.0		12.646	-23.15255	
10.31271	98.25000		0.0	0.0	0.0	0.0		13.152	-23.65781	
10.33686	98.25000		0.0	0.0	0.0	0.0		13.658	-24.16307	
10.36100	98.25000		0.0	0.0	0.0	0.0		14.163	-24.66833	
10.38514	98.25000		0.0	0.0	0.0	0.0		14.669	-25.17360	
10.40929	98.25000		0.0	0.0	0.0	0.0		15.175	-25.67886	
10.43343	98.25000		0.0	0.0	0.0	0.0		15.681	-26.18412	
10.45757	98.25000		0.0	0.0	0.0	0.0		16.187	-26.68938	
10.48171	98.25000		0.0	0.0	0.0	0.0		16.693	-27.19464	
10.50586	98.25000		0.0	0.0	0.0	0.0		17.199	-27.69990	
10.53000	98.25000		0.0	0.0	0.0	0.0		17.704	-28.20517	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: z	Stage: δx	Name Specific δy Building: Ref.	Specific δH//	Building: δHperp.	Name	Sub-building Name	Dist.	x	y
10.55414	98.25000	0.0	0.0	0.0	0.0		18.210	-28.71043	
10.57829	98.25000	0.0	0.0	0.0	0.0		18.716	-29.21569	
10.60243	98.25000	0.0	0.0	0.0	0.0		19.222	-29.72095	
10.62657	98.25000	0.0	0.0	0.0	0.0		19.728	-30.22621	
10.65071	98.25000	0.0	0.0	0.0	0.0		20.234	-30.73148	
10.67486	98.25000	0.0	0.0	0.0	0.0		20.739	-31.23674	
10.69900	98.25000	0.0	0.0	0.0	0.0		21.245	-31.74200	
-4.35700	96.40000	9 -0.31659	No 7 Lyndhurst Terrace 0.35129	-0.31526	0.35249	No 7 LG - Line 1	0.0	-20.99000	
-4.35313	96.40000	-0.031301	0.30150	-0.030159	0.30162		1.0235	-19.96650	
-4.34925	96.40000	0.0	0.30025	0.0011367	0.30025		2.0470	-18.94300	
-4.34537	96.40000	0.0	0.30154	0.0011416	0.30154		3.0705	-17.91950	
-4.34150	96.40000	0.0	0.30283	0.0011465	0.30283		4.0940	-16.89600	
-4.33763	96.40000	0.0	0.30413	0.0011514	0.30412		5.1175	-15.87250	
-4.33375	96.40000	0.0	0.30542	0.0011563	0.30541		6.1410	-14.84900	
-4.32987	96.40000	0.0	0.30671	0.0011612	0.30671		7.1646	-13.82550	
-4.32600	96.40000	0.16275	0.33109	0.16401	0.33047		8.1881	-12.80200	
-4.32600	96.40000	10 0.19191	No 7 Lyndhurst Terrace 0.33615	-0.33594	0.19228	No 7 LG - Line 2	0.0	-12.70200	
-5.41040	96.40000	0.034033	0.069363	-0.069325	0.034110		1.0844	-12.70080	
-6.49480	96.40000	0.0	0.035044	-0.035044	38.780E-6		2.1688	-12.69960	
-7.57920	96.40000	0.0	0.0	0.0	0.0		3.2532	-12.69840	
-8.66360	96.40000	0.0	0.0	0.0	0.0		4.3376	-12.69720	
-9.74800	96.40000	0.0	0.0	0.0	0.0		5.4220	-12.69600	
-9.84800	96.40000	11 0.0	No 7 Lyndhurst Terrace 0.0	0.0	0.0	No 7 LG - Line 3	0.0	-12.69600	
-9.84800	96.40000	0.0	0.0	0.0	0.0		0.93500	-11.76100	
-9.84800	96.40000	0.0	0.0	0.0	0.0		1.8700	-10.82600	
-9.84800	96.40000	0.0	0.0	0.0	0.0		2.8050	-9.89100	
-9.94800	96.40000	12 0.0	No 7 Lyndhurst Terrace 0.0	0.0	0.0	No 7 LG - Line 4	0.0	-9.89100	
-10.90233	96.40000	0.0	0.0	0.0	0.0		0.95449	-9.87383	
-11.85667	96.40000	0.0	0.0	0.0	0.0		1.9090	-9.85667	
-12.81100	96.40000	0.0	0.0	0.0	0.0		2.8635	-9.83950	
-13.76533	96.40000	0.0	0.0	0.0	0.0		3.8180	-9.82233	
-14.71967	96.40000	0.0	0.0	0.0	0.0		4.7724	-9.80517	
-15.67400	96.40000	0.0	0.0	0.0	0.0		5.7269	-9.78800	
-15.77400	96.40000	13 0.0	No 7 Lyndhurst Terrace 0.0	0.0	0.0	No 7 LG - Line 5	0.0	-9.78800	
-15.77400	96.40000	0.0	0.0	0.0	0.0		0.98400	-10.77200	
-15.77400	96.40000	0.0	0.0	0.0	0.0		1.9680	-11.75600	
-15.77400	96.40000	0.0	0.0	0.0	0.0		2.9520	-12.74000	
-15.87400	96.40000	14 0.0	No 7 Lyndhurst Terrace 0.0	0.0	0.0	No 7 LG - Line 6	0.0	-12.74000	
							0.95107	-12.79640	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage Ref.	Stage z	Name δx	Specific δy	Specific δH//	Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-16.82340	96.40000		0.0	0.0	0.0	0.0		1.9021	-12.85280	
-17.77280	96.40000		0.0	0.0	0.0	0.0		2.8532	-12.90920	
-18.72220	96.40000		0.0	0.0	0.0	0.0		3.8043	-12.96560	
-19.67160	96.40000		0.0	0.0	0.0	0.0		4.7554	-13.02200	
-20.62100	96.40000		0.0	0.0	0.0	0.0		5.7064	-13.07840	
-21.57040	96.40000		0.0	0.0	0.0	0.0		6.6575	-13.13480	
-22.51980	96.40000		0.0	0.0	0.0	0.0		7.6086	-13.19120	
-23.46920	96.40000		0.0	0.0	0.0	0.0		8.5597	-13.24760	
-24.41860	96.40000		0.0	0.0	0.0	0.0		9.5107	-13.30400	
-25.36800	96.40000		0.0	0.0	0.0	0.0		10.462	-13.36040	
-26.31740	96.40000		0.0	0.0	0.0	0.0		11.413	-13.41680	
-27.26680	96.40000		0.0	0.0	0.0	0.0		12.364	-13.47320	
-28.21620	96.40000		0.0	0.0	0.0	0.0		13.315	-13.52960	
-29.16560	96.40000		0.0	0.0	0.0	0.0		14.266	-13.58600	
-30.11500	96.40000		0.0	0.0	0.0	0.0		0.0	-13.58600	
-30.21500	96.40000	15	0.0	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 7	1.0545	-14.64010	
-30.24270	96.40000		0.0	0.0	0.0	0.0		2.1089	-15.69420	
-30.27040	96.40000		0.0	0.0	0.0	0.0		3.1634	-16.74830	
-30.29810	96.40000		0.0	0.0	0.0	0.0		4.2179	-17.80240	
-30.32580	96.40000		0.0	0.0	0.0	0.0		5.2723	-18.85650	
-30.35350	96.40000		0.0	0.0	0.0	0.0		6.3268	-19.91060	
-30.38120	96.40000		0.0	0.0	0.0	0.0		7.3812	-20.96470	
-30.40890	96.40000		0.0	0.0	0.0	0.0		8.4357	-22.01880	
-30.43660	96.40000		0.0	0.0	0.0	0.0		9.4902	-23.07290	
-30.46430	96.40000		0.0	0.0	0.0	0.0		10.545	-24.12700	
-30.49200	96.40000		0.0	0.0	0.0	0.0		0.0	-24.22700	
-30.49200	96.40000	16	0.0	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 8	1.0190	-24.23400	
-29.47300	96.40000		0.0	0.0	0.0	0.0		2.0380	-24.24100	
-28.45400	96.40000		0.0	0.0	0.0	0.0		0.0	-24.34100	
-28.45400	96.40000	17	0.0	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.72952	-25.07050	
-28.46000	96.40000		0.0	0.0	0.0	0.0		1.4590	-25.80000	
-28.46600	96.40000		0.0	0.0	0.0	0.0		0.0	-25.90000	
-28.46600	96.40000	18	0.0	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 10	1.3465	-25.90950	
-27.11950	96.40000		0.0	0.0	0.0	0.0		2.6931	-25.91900	
-25.77300	96.40000		0.0	0.0	0.0	0.0		0.0	-25.81900	
-25.77300	96.40000	19	0.0	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.72952	-25.08950	
-25.76700	96.40000		0.0	0.0	0.0	0.0		1.4590	-24.36000	
-25.76100	96.40000		0.0	0.0	0.0	0.0		0.0	-24.26000	
-25.76100	96.40000	20	0.0	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 12			



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: z	Stage: δx	Name δy	Specific Building: $\delta H//$	Specific Building: $\delta H_{perp.}$	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-24.76771	96.40000		0.0	0.0	0.0	0.0	0.99331	-24.26700	
-23.77443	96.40000		0.0	0.0	0.0	0.0	1.9866	-24.27400	
-22.78114	96.40000		0.0	0.0	0.0	0.0	2.9799	-24.28100	
-21.78786	96.40000		0.0	0.0	0.0	0.0	3.9732	-24.28800	
-20.79457	96.40000		0.0	0.0	0.0	0.0	4.9666	-24.29500	
-19.80129	96.40000		0.0	0.0	0.0	0.0	5.9599	-24.30200	
-18.80800	96.40000		0.0	0.0	0.0	0.0	6.9532	-24.30900	
-18.70800	96.40000	21	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	-24.30900	
-18.70800	96.40000		0.0	0.0	0.0	0.0	0.92900	-25.23800	
-18.70800	96.40000		0.0	0.0	0.0	0.0	1.8580	-26.16700	
-18.70800	96.40000	22	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	-26.26700	
-18.70800	96.40000		0.0	0.0	0.0	0.0	0.84069	-26.76633	
-18.03167	96.40000		0.0	0.0	0.0	0.0	1.6814	-27.26567	
-17.35533	96.40000		0.0	0.0	0.0	0.0	2.5221	-27.76500	
-16.67900	96.40000		0.0	0.0	0.0	0.0			
-16.57900	96.40000	23	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	-27.76500	
-16.57900	96.40000		0.0	0.0	0.0	0.0	1.0829	-27.72513	
-15.49688	96.40000		0.0	0.0	0.0	0.0	2.1657	-27.68525	
-14.41475	96.40000		0.0	0.0	0.0	0.0	3.2486	-27.64538	
-13.33263	96.40000		0.0	0.0	0.0	0.0	4.3314	-27.60550	
-12.25050	96.40000		0.0	0.0	0.0	0.0	5.4143	-27.56563	
-11.16838	96.40000		0.0	0.0	0.0	0.0	6.4972	-27.52575	
-10.08625	96.40000		0.0	0.0	0.0	0.0	7.5800	-27.48588	
-9.00413	96.40000		0.0	0.0	0.0	0.0	8.6629	-27.44600	
-7.92200	96.40000		0.0	0.0	0.0	0.0			
-7.82200	96.40000	24	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	-27.44600	
-7.82200	96.40000		0.0	0.0	0.0	0.0	0.58950	-26.85650	
-7.82150	96.40000		0.0	0.0	0.0	0.0	1.1790	-26.26700	
-7.82100	96.40000		0.0	0.0	0.0	0.0			
-7.82100	96.40000	25	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	-26.16700	
-7.82100	96.40000		0.0	0.0	0.0	0.0	0.093000	-26.16710	
-7.72800	96.40000		0.0	0.0	0.0	0.0	0.18600	-26.16720	
-7.63500	96.40000		0.0	0.0	0.0	0.0	0.27900	-26.16730	
-7.54200	96.40000		0.0	0.0	0.0	0.0	0.37200	-26.16740	
-7.44900	96.40000		0.0	0.0	0.0	0.0	0.46500	-26.16750	
-7.35600	96.40000		0.0	0.0	0.0	0.0	0.55800	-26.16760	
-7.26300	96.40000		0.0	0.0	0.0	0.0	0.65100	-26.16770	
-7.17000	96.40000		0.0	0.0	0.0	0.0	0.74400	-26.16780	
-7.07700	96.40000		0.0	0.0	0.0	0.0	0.83700	-26.16790	
-6.98400	96.40000		0.0	0.0	0.0	0.0	0.93000	-26.16800	
-6.89100	96.40000		0.0	0.0	0.0	0.0			
-6.89100	96.40000	26	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	-26.06800	
-6.89100	96.40000		0.0	0.0	0.0	0.0	0.98871	-25.07929	



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Ground Movement Assessment
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Stage: z	Stage: δx	Name δy	Specific Building: $\delta H//$	Specific Building: $\delta H_{perp.}$	Building: Name	Sub-building Name	Dist.	x	y
-6.89000	96.40000	0.0	0.0	0.0	0.0		1.9774	-24.09057	
-6.88900	96.40000	0.0	0.0	0.0	0.0		2.9661	-23.10186	
-6.88800	96.40000	0.0	0.0	0.0	0.0		3.9549	-22.11314	
-6.88700	96.40000	0.0	0.0	0.0	0.0		4.9436	-21.12443	
-6.88600	96.40000	0.0	0.0	0.0	0.0		5.9323	-20.13571	
-6.88500	96.40000	0.0	0.0	0.0	0.0		6.9210	-19.14700	
-6.88400	96.40000	0.0	0.0	0.0	0.0		0.0	-19.04700	
-6.88400	96.40000	27	No 7	Lyndhurst Terrace	No 7 LG - Line 19		0.11840	-19.04700	
-6.76560	96.40000	0.0	0.0	0.0	0.0		0.23680	-19.04700	
-6.64720	96.40000	0.0	0.0	0.0	0.0		0.35520	-19.04700	
-6.52880	96.40000	0.0	0.0	0.0	0.0		0.47360	-19.04700	
-6.41040	96.40000	0.0	0.0	0.0	0.0		0.59200	-19.04700	
-6.29200	96.40000	0.0	0.0	0.0	0.0		0.71040	-19.04700	
-6.17360	96.40000	0.0	0.0	0.0	0.0		0.82880	-19.04700	
-6.05520	96.40000	0.0	0.0	0.0	0.0		0.94720	-19.04700	
-5.93680	96.40000	0.0	0.0	0.0	0.0		1.0656	-19.04700	
-5.81840	96.40000	0.0	0.0	0.0	0.0		1.1840	-19.04700	
-5.70000	96.40000	0.0	0.0	0.0	0.0		0.0	-19.14700	
-5.70000	96.40000	28	No 7	Lyndhurst Terrace	No 7 LG - Line 20		0.18430	-19.33130	
-5.70000	96.40000	0.0	0.0	0.0	0.0		0.36860	-19.51560	
-5.70000	96.40000	0.0	0.0	0.0	0.0		0.55290	-19.69990	
-5.70000	96.40000	0.0	0.0	0.0	0.0		0.73720	-19.88420	
-5.70000	96.40000	0.0	0.0	0.0	0.0		0.92150	-20.06850	
-5.70000	96.40000	0.0	0.0	0.0	0.0		1.1058	-20.25280	
-5.70000	96.40000	0.0	0.0	0.0	0.0		1.2901	-20.43710	
-5.70000	96.40000	0.0	0.0	0.0	0.0		1.4744	-20.62140	
-5.70000	96.40000	-0.011304	0.012499	0.011304	-0.012499		1.6587	-20.80570	
-5.70000	96.40000	-0.027718	0.036294	0.027718	-0.036294		1.8430	-20.99000	
-5.70000	96.40000	-0.038956	0.061934	0.038956	-0.061934		0.0	-21.09000	
-5.70000	96.40000	29	No 7	Lyndhurst Terrace	No 7 LG - Line 21		0.13430	-21.09000	
-5.70000	96.40000	-0.042763	0.076531	0.076531	0.042763		0.26860	-21.09000	
-5.56570	96.40000	-0.060179	0.096490	0.096490	0.060179		0.40290	-21.09000	
-5.43140	96.40000	-0.079719	0.11323	0.11323	0.079719		0.53720	-21.09000	
-5.29710	96.40000	-0.10169	0.12623	0.12623	0.10169		0.67150	-21.09000	
-5.16280	96.40000	-0.12640	0.16394	0.16394	0.12640		0.80580	-21.09000	
-5.02850	96.40000	-0.15417	0.21235	0.21235	0.15417		0.94010	-21.09000	
-4.89420	96.40000	-0.18524	0.25508	0.25508	0.18524		1.0744	-21.09000	
-4.75990	96.40000	-0.21969	0.29152	0.29152	0.21969		1.2087	-21.09000	
-4.62560	96.40000	-0.25731	0.32130	0.32130	0.25731				
-4.49130	96.40000	-0.29743	0.34442	0.34442	0.29743				



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Ground Movement Assessment
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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-4.35700	96.40000	-0.33874	0.36153	0.36153	0.33874		1.3430	-21.09000	
		30	No 7 Lyndhurst Terrace			No 7 LG - Line 22	0.0	-24.32700	
-30.49200	96.40000	0.0	0.0	0.0	0.0		0.95720	-25.28300	
-30.44414	96.40000	0.0	0.0	0.0	0.0		1.9144	-26.23900	
-30.39629	96.40000	0.0	0.0	0.0	0.0		2.8716	-27.19500	
-30.34843	96.40000	0.0	0.0	0.0	0.0		3.8288	-28.15100	
-30.30057	96.40000	0.0	0.0	0.0	0.0		4.7860	-29.10700	
-30.25271	96.40000	0.0	0.0	0.0	0.0		5.7432	-30.06300	
-30.20486	96.40000	0.0	0.0	0.0	0.0		6.7004	-31.01900	
-30.15700	96.40000	0.0	0.0	0.0	0.0		0.0	-31.11900	
		31	No 7 Lyndhurst Terrace			No 7 LG - Line 23	0.0	-31.11825	
-30.15700	96.40000	0.0	0.0	0.0	0.0		1.9783	-31.11750	
-29.16783	96.40000	0.0	0.0	0.0	0.0		2.9675	-31.11675	
-28.17867	96.40000	0.0	0.0	0.0	0.0		3.9567	-31.11600	
-27.18950	96.40000	0.0	0.0	0.0	0.0		4.9458	-31.11525	
-26.20033	96.40000	0.0	0.0	0.0	0.0		5.9350	-31.11450	
-25.21117	96.40000	0.0	0.0	0.0	0.0		6.9242	-31.11375	
-24.22200	96.40000	0.0	0.0	0.0	0.0		7.9133	-31.11300	
-23.23283	96.40000	0.0	0.0	0.0	0.0		8.9025	-31.11225	
-22.24367	96.40000	0.0	0.0	0.0	0.0		9.8917	-31.11150	
-21.25450	96.40000	0.0	0.0	0.0	0.0		10.881	-31.11075	
-20.26533	96.40000	0.0	0.0	0.0	0.0		11.870	-31.11000	
-19.27617	96.40000	0.0	0.0	0.0	0.0		12.859	-31.10925	
-18.28700	96.40000	0.0	0.0	0.0	0.0		13.848	-31.10850	
-17.29783	96.40000	0.0	0.0	0.0	0.0		14.838	-31.10775	
-16.30867	96.40000	0.0	0.0	0.0	0.0		15.827	-31.10700	
-15.31950	96.40000	0.0	0.0	0.0	0.0		16.816	-31.10625	
-14.33033	96.40000	0.0	0.0	0.0	0.0		17.805	-31.10550	
-13.34117	96.40000	0.0	0.0	0.0	0.0		18.794	-31.10475	
-12.35200	96.40000	0.0	0.0	0.0	0.0		19.783	-31.10400	
-11.36283	96.40000	0.0	0.0	0.0	0.0		20.773	-31.10325	
-10.37367	96.40000	0.0	0.0	0.0	0.0		21.762	-31.10250	
-9.38450	96.40000	0.0	0.0	0.0	0.0		22.751	-31.10175	
-8.39533	96.40000	0.0	0.0	0.0	0.0		23.740	-31.10100	
-7.40617	96.40000	0.0	0.0	0.0	0.0		0.0	-31.00100	
		32	No 7 Lyndhurst Terrace			No 7 LG - Line 24	0.0	-30.03740	
-6.41700	96.40000	0.0	0.0	0.0	0.0		1.9307	-29.07380	
-6.41700	96.40000	0.0	0.016200	969.99E-6	0.016171		2.8960	-28.11020	
-6.35920	96.40000	0.0	0.035467	0.0021236	0.035403		3.8613	-27.14660	
-6.30140	96.40000	0.0							
-6.24360	96.40000	0.0							



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Stage: z	Stage: δx	Name δy Building: Ref.	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-6.18580	96.40000	0.0	0.054733	0.0032772	0.054635		4.8267	-26.18300	
-6.12800	96.40000	0.0	0.074000	0.0044308	0.073867				
-6.12800	96.40000	33	0.074000	0.0064483	0.073719	No 7 Lyndhurst Terrace No 7 LG - Line 25	0.0	-26.08300	
-6.04240	96.40000	0.0	0.10253	0.0089347	0.10214		0.98234	-25.10440	
-5.95680	96.40000	0.0	0.13107	0.011421	0.13057		1.9647	-24.12580	
-5.87120	96.40000	0.0	0.15960	0.013907	0.15899		2.9470	-23.14720	
-5.78560	96.40000	0.0	0.18813	0.016394	0.18742		3.9293	-22.16860	
-5.70000	96.40000	-0.044918	0.091523	-0.036772	0.095088		4.9117	-21.19000	
-40.00000	99.25000	34	0.0	0.0	0.0	Lyndhurst Terrace Curb Line Lyndhurst Terrace Curb Line	0.0	-1.00000	
-39.00000	99.25000	0.0	0.0	0.0	0.0		1.0000	-1.00000	
-38.00000	99.25000	0.0	0.0	0.0	0.0		2.0000	-1.00000	
-37.00000	99.25000	0.0	0.0	0.0	0.0		3.0000	-1.00000	
-36.00000	99.25000	0.0	0.0	0.0	0.0		4.0000	-1.00000	
-35.00000	99.25000	0.0	0.0	0.0	0.0		5.0000	-1.00000	
-34.00000	99.25000	0.0	0.0	0.0	0.0		6.0000	-1.00000	
-33.00000	99.25000	0.0	0.0	0.0	0.0		7.0000	-1.00000	
-32.00000	99.25000	0.0	0.0	0.0	0.0		8.0000	-1.00000	
-31.00000	99.25000	0.0	0.0	0.0	0.0		9.0000	-1.00000	
-30.00000	99.25000	0.0	0.0	0.0	0.0		10.0000	-1.00000	
-29.00000	99.25000	0.0	0.0	0.0	0.0		11.0000	-1.00000	
-28.00000	99.25000	0.0	0.0	0.0	0.0		12.0000	-1.00000	
-27.00000	99.25000	0.0	0.0	0.0	0.0		13.0000	-1.00000	
-26.00000	99.25000	0.0	0.0	0.0	0.0		14.0000	-1.00000	
-25.00000	99.25000	0.0	0.0	0.0	0.0		15.0000	-1.00000	
-24.00000	99.25000	0.0	0.0	0.0	0.0		16.0000	-1.00000	
-23.00000	99.25000	0.0	0.0	0.0	0.0		17.0000	-1.00000	
-22.00000	99.25000	0.0	0.0	0.0	0.0		18.0000	-1.00000	
-21.00000	99.25000	0.0	0.0	0.0	0.0		19.0000	-1.00000	
-20.00000	99.25000	0.0	0.0	0.0	0.0		20.0000	-1.00000	
-19.00000	99.25000	0.0	0.0	0.0	0.0		21.0000	-1.00000	
-18.00000	99.25000	0.0	0.0	0.0	0.0		22.0000	-1.00000	
-17.00000	99.25000	0.0	0.0	0.0	0.0		23.0000	-1.00000	
-16.00000	99.25000	0.0	0.0	0.0	0.0		24.0000	-1.00000	
-15.00000	99.25000	0.0	0.0	0.0	0.0		25.0000	-1.00000	
-14.00000	99.25000	0.0	0.0	0.0	0.0		26.0000	-1.00000	
-13.00000	99.25000	0.0	0.0	0.0	0.0		27.0000	-1.00000	
-12.00000	99.25000	0.0	0.0	0.0	0.0		28.0000	-1.00000	
-11.00000	99.25000	0.0	0.0	0.0	0.0		29.0000	-1.00000	
-10.00000	99.25000	0.0	0.0	0.0	0.0		30.0000	-1.00000	



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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-9.00000	99.25000	0.0	0.0	0.0	0.0		31.000	-1.00000	
-8.00000	99.25000	0.0	0.0	0.0	0.0		32.000	-1.00000	
-7.00000	99.25000	0.0	0.0	0.0	0.0		33.000	-1.00000	
-6.00000	99.25000	0.0	0.0	0.0	0.0		34.000	-1.00000	
-5.00000	99.25000	0.0	0.0	0.0	0.0		35.000	-1.00000	
-4.00000	99.25000	-0.14281	0.085097	0.085097	0.14281		36.000	-1.00000	
-3.00000	99.25000	-0.28191	0.10243	0.10243	0.28191		37.000	-1.00000	
-2.00000	99.25000	-0.38295	0.050958	0.050958	0.38295		38.000	-1.00000	
-1.00000	99.25000	-0.41679	0.021936	0.021936	0.41679		39.000	-1.00000	
0.00000	99.25000	-0.43429	0.022857	0.022857	0.43429		40.000	-1.00000	
1.00000	99.25000	-0.45178	0.023778	0.023778	0.45178		41.000	-1.00000	
2.00000	99.25000	-0.46928	0.024699	0.024699	0.46928		42.000	-1.00000	
3.00000	99.25000	-0.48677	0.025620	0.025620	0.48677		43.000	-1.00000	
4.00000	99.25000	-0.50427	0.026540	0.026540	0.50427		44.000	-1.00000	
5.00000	99.25000	-0.52176	0.027461	0.027461	0.52176		45.000	-1.00000	
6.00000	99.25000	-0.53838	0.027463	0.027463	0.53838		46.000	-1.00000	
7.00000	99.25000	-0.43532	-0.056432	-0.056432	0.43532		47.000	-1.00000	
8.00000	99.25000	-0.29156	-0.10558	-0.10558	0.29156		48.000	-1.00000	
9.00000	99.25000	-0.14615	-0.093419	-0.093419	0.14615		49.000	-1.00000	
10.00000	99.25000	-0.017920	-0.017030	-0.017030	0.017920		50.000	-1.00000	
11.00000	99.25000	0.0	0.0	0.0	0.0		51.000	-1.00000	
12.00000	99.25000	0.0	0.0	0.0	0.0		52.000	-1.00000	
13.00000	99.25000	0.0	0.0	0.0	0.0		53.000	-1.00000	
14.00000	99.25000	0.0	0.0	0.0	0.0		54.000	-1.00000	
15.00000	99.25000	0.0	0.0	0.0	0.0		55.000	-1.00000	
16.00000	99.25000	0.0	0.0	0.0	0.0		56.000	-1.00000	
17.00000	99.25000	0.0	0.0	0.0	0.0		57.000	-1.00000	
18.00000	99.25000	0.0	0.0	0.0	0.0		58.000	-1.00000	
19.00000	99.25000	0.0	0.0	0.0	0.0		59.000	-1.00000	
20.00000	99.25000	0.0	0.0	0.0	0.0		60.000	-1.00000	
21.00000	99.25000	0.0	0.0	0.0	0.0		61.000	-1.00000	
22.00000	99.25000	0.0	0.0	0.0	0.0		62.000	-1.00000	
23.00000	99.25000	0.0	0.0	0.0	0.0		63.000	-1.00000	
24.00000	99.25000	0.0	0.0	0.0	0.0		64.000	-1.00000	
25.00000	99.25000	0.0	0.0	0.0	0.0		65.000	-1.00000	
26.00000	99.25000	0.0	0.0	0.0	0.0		66.000	-1.00000	
27.00000	99.25000	0.0	0.0	0.0	0.0		67.000	-1.00000	
28.00000	99.25000	0.0	0.0	0.0	0.0		68.000	-1.00000	
							69.000	-1.00000	



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Stage: z	Stage: δx	Name δy	Specific Building: $\delta H // \delta H_{perp}$	Specific Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.						
29.00000	99.25000		0.0	0.0	0.0	0.0		
30.00000	99.25000		0.0	0.0	0.0	0.0	70.000	-1.00000

Specific Building Damage Results - Vertical Displacements

Stage: y	Stage: z	Name δz	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset [m]	Dist. [m]	x [m]
Ref.		Building: Ref.						
0	Base Model	1		No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	0.0	
-31.74200	10.69900	98.25000		0.0			0.53328	
-31.71650	11.23167	98.25000		0.0			1.0666	
-31.69100	11.76433	98.25000		0.0			1.5998	
-31.66550	12.29700	98.25000		0.0			2.1331	
-31.64000	12.82967	98.25000		0.0			2.6664	
-31.61450	13.36233	98.25000		0.0			3.1997	
-31.58900	13.89500	98.25000		0.0				
-31.58900	13.89500	98.25000	2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	0.0	
-31.08560	13.87100	98.25000		0.0			0.50397	
-30.58220	13.84700	98.25000		0.0			1.0079	
-30.07880	13.82300	98.25000		0.0			1.5119	
-29.57540	13.79900	98.25000		0.0			2.0159	
-29.07200	13.77500	98.25000		0.0			2.5199	
-29.07200	13.77500	98.25000	3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	0.0	
-29.04869	14.26169	98.25000		0.0			0.48725	
-29.02538	14.74838	98.25000		0.0			0.97449	
-29.00206	15.23506	98.25000		0.0			1.4617	
-28.97875	15.72175	98.25000		0.0			1.9490	
-28.95544	16.20844	98.25000		0.0			2.4362	
-28.93212	16.69513	98.25000		0.0			2.9235	
-28.90881	17.18181	98.25000		0.0			3.4107	
-28.88550	17.66850	98.25000		0.0			3.8980	
-28.86219	18.15519	98.25000		0.0			4.3852	
-28.83888	18.64187	98.25000		0.0			4.8725	
-28.81556	19.12856	98.25000		0.0			5.3597	
-28.79225	19.61525	98.25000		0.0			5.8469	
-28.76894	20.10194	98.25000		0.0			6.3342	
-28.74563	20.58863	98.25000		0.0			6.8214	
-28.72231	21.07531	98.25000		0.0			7.3087	
-28.69900	21.56200	98.25000		0.0			7.7959	
-28.69900	21.56200	98.25000	4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	0.0	
				0.0			0.22097	



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-28.91650	21.60100	98.25000	0.0			0.44194	
-29.13400	21.64000	98.25000	0.0				
-29.13400	21.64000	98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	0.0	
-29.10900	22.16333	98.25000	0.0			0.52393	
-29.08400	22.68667	98.25000	0.0			1.0479	
-29.05900	23.21000	98.25000	0.0			1.5718	
-29.03400	23.73333	98.25000	0.0			2.0957	
-29.00900	24.25667	98.25000	0.0			2.6197	
-28.98400	24.78000	98.25000	0.0			3.1436	
-28.98400	24.78000	98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	0.0	
-28.48029	24.75592	98.25000	0.0			0.50429	
-27.97658	24.73184	98.25000	0.0			1.0086	
-27.47287	24.70776	98.25000	0.0			1.5129	
-26.96916	24.68368	98.25000	0.0			2.0171	
-26.46545	24.65961	98.25000	0.0			2.5214	
-25.96174	24.63553	98.25000	0.0			3.0257	
-25.45803	24.61145	98.25000	0.0			3.5300	
-24.95432	24.58737	98.25000	0.0			4.0343	
-24.45061	24.56329	98.25000	0.0			4.5386	
-23.94689	24.53921	98.25000	0.0			5.0429	
-23.44318	24.51513	98.25000	0.0			5.5471	
-22.93947	24.49105	98.25000	0.0			6.0514	
-22.43576	24.46697	98.25000	0.0			6.5557	
-21.93205	24.44289	98.25000	0.0			7.0600	
-21.42834	24.41882	98.25000	0.0			7.5643	
-20.92463	24.39474	98.25000	0.0			8.0686	
-20.42092	24.37066	98.25000	0.0			8.5729	
-19.91721	24.34658	98.25000	0.0			9.0771	
-19.41350	24.32250	98.25000	0.0			9.5814	
-18.90979	24.29842	98.25000	0.0			10.086	
-18.40608	24.27434	98.25000	0.0			10.590	
-17.90237	24.25026	98.25000	0.0			11.094	
-17.39866	24.22618	98.25000	0.0			11.599	
-16.89495	24.20211	98.25000	0.0			12.103	
-16.39124	24.17803	98.25000	0.0			12.607	
-15.88753	24.15395	98.25000	0.0			13.111	
-15.38382	24.12987	98.25000	0.0			13.616	
-14.88011	24.10579	98.25000	0.0			14.120	
-14.37639	24.08171	98.25000	0.0			14.624	



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-13.87268	24.05763	98.25000	0.0			15.129	
-13.36897	24.03355	98.25000	0.0			15.633	
-12.86526	24.00947	98.25000	0.0			16.137	
-12.36155	23.98539	98.25000	0.0			16.641	
-11.85784	23.96132	98.25000	0.0			17.146	
-11.35413	23.93724	98.25000	0.0			17.650	
-10.85042	23.91316	98.25000	0.0			18.154	
-10.34671	23.88908	98.25000	0.0			18.659	
-9.84300	23.86500	98.25000	0.0			19.163	
-9.84300	23.86500	98.25000	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	0.0
-9.86721	23.35857	98.25000	0.0			0.50701	
-9.89143	22.85214	98.25000	0.0			1.0140	
-9.91564	22.34571	98.25000	0.0			1.5210	
-9.93986	21.83929	98.25000	0.0			2.0280	
-9.96407	21.33286	98.25000	0.0			2.5350	
-9.98829	20.82643	98.25000	0.0			3.0420	
-10.01250	20.32000	98.25000	0.0			3.5490	
-10.03671	19.81357	98.25000	0.0			4.0561	
-10.06093	19.30714	98.25000	0.0			4.5631	
-10.08514	18.80071	98.25000	0.0			5.0701	
-10.10936	18.29429	98.25000	0.0			5.5771	
-10.13357	17.78786	98.25000	0.0			6.0841	
-10.15779	17.28143	98.25000	0.0			6.5911	
-10.18200	16.77500	98.25000	0.0			7.0981	
-10.20621	16.26857	98.25000	0.0			7.6051	
-10.23043	15.76214	98.25000	0.0			8.1121	
-10.25464	15.25571	98.25000	0.0			8.6191	
-10.27886	14.74929	98.25000	0.0			9.1261	
-10.30307	14.24286	98.25000	0.0			9.6331	
-10.32729	13.73643	98.25000	0.0			10.140	
-10.35150	13.23000	98.25000	0.0			10.647	
-10.37571	12.72357	98.25000	0.0			11.154	
-10.39993	12.21714	98.25000	0.0			11.661	
-10.42414	11.71071	98.25000	0.0069409			12.168	
-10.44836	11.20429	98.25000	0.031112			12.675	
-10.47257	10.69786	98.25000	0.061097			13.182	
-10.49679	10.19143	98.25000	0.11230			13.689	
-10.52100	9.68500	98.25000	0.19643			14.196	
	8		No 11 Lyndhurst Terrace	No 11 LG - Line 8		0.0	0.0



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-10.52100	9.68500	98.25000	0.19643				0.50584	
-11.02626	9.70914	98.25000	0.19154				1.0117	
-11.53152	9.73329	98.25000	0.18674				1.5175	
-12.03679	9.75743	98.25000	0.18203				2.0234	
-12.54205	9.78157	98.25000	0.17742				2.5292	
-13.04731	9.80571	98.25000	0.17290				3.0350	
-13.55257	9.82986	98.25000	0.16846				3.5409	
-14.05783	9.85400	98.25000	0.16412				4.0467	
-14.56310	9.87814	98.25000	0.15987				4.5525	
-15.06836	9.90229	98.25000	0.15570				5.0584	
-15.57362	9.92643	98.25000	0.15162				5.5642	
-16.07888	9.95057	98.25000	0.14763				6.0701	
-16.58414	9.97471	98.25000	0.14372				6.5759	
-17.08940	9.99886	98.25000	0.13989				7.0817	
-17.59467	10.02300	98.25000	0.13615				7.5876	
-18.09993	10.04714	98.25000	0.13243				8.0934	
-18.60519	10.07129	98.25000	0.11358				8.5993	
-19.11045	10.09543	98.25000	0.090085				9.1051	
-19.61571	10.11957	98.25000	0.066390				9.6109	
-20.12098	10.14371	98.25000	0.045763				10.117	
-20.62624	10.16786	98.25000	0.029652				10.623	
-21.13150	10.19200	98.25000	0.017665				11.128	
-21.63676	10.21614	98.25000	0.0078921				11.634	
-22.14202	10.24029	98.25000	0.0				12.140	
-22.64729	10.26443	98.25000	0.0				12.646	
-23.15255	10.28857	98.25000	0.0				13.152	
-23.65781	10.31271	98.25000	0.0				13.658	
-24.16307	10.33686	98.25000	0.0				14.163	
-24.66833	10.36100	98.25000	0.0				14.669	
-25.17360	10.38514	98.25000	0.0				15.175	
-25.67886	10.40929	98.25000	0.0				15.681	
-26.18412	10.43343	98.25000	0.0				16.187	
-26.68938	10.45757	98.25000	0.0				16.693	
-27.19464	10.48171	98.25000	0.0				17.199	
-27.69990	10.50586	98.25000	0.0				17.704	
-28.20517	10.53000	98.25000	0.0				18.210	
-28.71043	10.55414	98.25000	0.0				18.716	
-29.21569	10.57829	98.25000	0.0				19.222	
-29.72095	10.60243	98.25000	0.0					



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-30.22621	10.62657	98.25000	0.0			19.728	
-30.73148	10.65071	98.25000	0.0			20.234	
-31.23674	10.67486	98.25000	0.0			20.739	
-31.74200	10.69900	98.25000	0.0			21.245	
-20.99000	-4.35700	96.40000	0.23075	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	0.0
-19.96650	-4.35313	96.40000	0.092889			1.0235	
-18.94300	-4.34925	96.40000	0.088129			2.0470	
-17.91950	-4.34537	96.40000	0.088995			3.0705	
-16.89600	-4.34150	96.40000	0.089868			4.0940	
-15.87250	-4.33763	96.40000	0.090747			5.1175	
-14.84900	-4.33375	96.40000	0.091632			6.1410	
-13.82550	-4.32987	96.40000	0.092523			7.1646	
-12.80200	-4.32600	96.40000	0.12608			8.1881	
-12.70200	-4.32600	96.40000	0.13707	No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	0.0
-12.70080	-5.41040	96.40000	0.015785			1.0844	
-12.69960	-6.49480	96.40000	0.0055855			2.1688	
-12.69840	-7.57920	96.40000	0.0			3.2532	
-12.69720	-8.66360	96.40000	0.0			4.3376	
-12.69600	-9.74800	96.40000	0.0			5.4220	
-12.69600	-9.84800	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	0.0
-11.76100	-9.84800	96.40000	0.0			0.93500	
-10.82600	-9.84800	96.40000	0.0			1.8700	
-9.89100	-9.84800	96.40000	0.0			2.8050	
-9.89100	-9.94800	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	0.0
-9.87383	-10.90233	96.40000	0.0			0.95449	
-9.85667	-11.85667	96.40000	0.0			1.9090	
-9.83950	-12.81100	96.40000	0.0			2.8635	
-9.82233	-13.76533	96.40000	0.0			3.8180	
-9.80517	-14.71967	96.40000	0.0			4.7724	
-9.78800	-15.67400	96.40000	0.0			5.7269	
-9.78800	-15.77400	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	0.0
-10.77200	-15.77400	96.40000	0.0			0.98400	
-11.75600	-15.77400	96.40000	0.0			1.9680	
-12.74000	-15.77400	96.40000	0.0			2.9520	
-12.74000	-15.87400	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	0.0
-12.79640	-16.82340	96.40000	0.0			0.95107	
-12.85280	-17.77280	96.40000	0.0			1.9021	
-12.90920	-18.72220	96.40000	0.0			2.8532	
						3.8043	



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-12.96560	-19.67160	96.40000	0.0			4.7554	
-13.02200	-20.62100	96.40000	0.0			5.7064	
-13.07840	-21.57040	96.40000	0.0			6.6575	
-13.13480	-22.51980	96.40000	0.0			7.6086	
-13.19120	-23.46920	96.40000	0.0			8.5597	
-13.24760	-24.41860	96.40000	0.0			9.5107	
-13.30400	-25.36800	96.40000	0.0			10.462	
-13.36040	-26.31740	96.40000	0.0			11.413	
-13.41680	-27.26680	96.40000	0.0			12.364	
-13.47320	-28.21620	96.40000	0.0			13.315	
-13.52960	-29.16560	96.40000	0.0			14.266	
-13.58600	-30.11500	96.40000	0.0			15	
-13.58600	-30.21500	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	0.0
-14.64010	-30.24270	96.40000	0.0			1.0545	
-15.69420	-30.27040	96.40000	0.0			2.1089	
-16.74830	-30.29810	96.40000	0.0			3.1634	
-17.80240	-30.32580	96.40000	0.0			4.2179	
-18.85650	-30.35350	96.40000	0.0			5.2723	
-19.91060	-30.38120	96.40000	0.0			6.3268	
-20.96470	-30.40890	96.40000	0.0			7.3812	
-22.01880	-30.43660	96.40000	0.0			8.4357	
-23.07290	-30.46430	96.40000	0.0			9.4902	
-24.12700	-30.49200	96.40000	0.0			10.545	
-24.22700	-30.49200	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	0.0
-24.23400	-29.47300	96.40000	0.0			1.0190	
-24.24100	-28.45400	96.40000	0.0			2.0380	
-24.34100	-28.45400	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	0.0
-25.07050	-28.46000	96.40000	0.0			0.72952	
-25.80000	-28.46600	96.40000	0.0			1.4590	
-25.90000	-28.46600	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	0.0
-25.90950	-27.11950	96.40000	0.0			1.3465	
-25.91900	-25.77300	96.40000	0.0			2.6931	
-25.81900	-25.77300	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	0.0
-25.08950	-25.76700	96.40000	0.0			0.72952	
-24.36000	-25.76100	96.40000	0.0			1.4590	
-24.26000	-25.76100	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	0.0
-24.26700	-24.76771	96.40000	0.0			0.99331	
-24.27400	-23.77443	96.40000	0.0			1.9866	
-24.28100	-22.78114	96.40000	0.0			2.9799	



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage: y	Stage: z	Name Specific δz Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-24.28800	-21.78786	96.40000	0.0			3.9732	
-24.29500	-20.79457	96.40000	0.0			4.9666	
-24.30200	-19.80129	96.40000	0.0			5.9599	
-24.30900	-18.80800	96.40000	0.0			6.9532	
-24.30900	-18.70800	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	0.0
-25.23800	-18.70800	96.40000	0.0			0.92900	
-26.16700	-18.70800	96.40000	0.0			1.8580	
-26.26700	-18.70800	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	0.0
-26.76633	-18.03167	96.40000	0.0			0.84069	
-27.26567	-17.35533	96.40000	0.0			1.6814	
-27.76500	-16.67900	96.40000	0.0			2.5221	
-27.76500	-16.57900	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	0.0
-27.72513	-15.49688	96.40000	0.0			1.0829	
-27.68525	-14.41475	96.40000	0.0			2.1657	
-27.64538	-13.33263	96.40000	0.0			3.2486	
-27.60550	-12.25050	96.40000	0.0			4.3314	
-27.56563	-11.16838	96.40000	0.0			5.4143	
-27.52575	-10.08625	96.40000	0.0			6.4972	
-27.48588	-9.00413	96.40000	0.0			7.5800	
-27.44600	-7.92200	96.40000	0.0			8.6629	
-27.44600	-7.82200	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	0.0
-26.85650	-7.82150	96.40000	0.0			0.58950	
-26.26700	-7.82100	96.40000	0.0			1.1790	
-26.16700	-7.82100	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	0.0
-26.16710	-7.72800	96.40000	0.0			0.093000	
-26.16720	-7.63500	96.40000	0.0			0.18600	
-26.16730	-7.54200	96.40000	0.0			0.27900	
-26.16740	-7.44900	96.40000	0.0			0.37200	
-26.16750	-7.35600	96.40000	0.0			0.46500	
-26.16760	-7.26300	96.40000	0.0			0.55800	
-26.16770	-7.17000	96.40000	0.0			0.65100	
-26.16780	-7.07700	96.40000	0.0			0.74400	
-26.16790	-6.98400	96.40000	0.0			0.83700	
-26.16800	-6.89100	96.40000	0.0			0.93000	
-26.06800	-6.89100	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	0.0
-25.07929	-6.89000	96.40000	0.0			0.98871	
-24.09057	-6.88900	96.40000	0.0			1.9774	
-23.10186	-6.88800	96.40000	0.0			2.9661	
						3.9549	



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-22.11314	-6.88700	96.40000	0.0			4.9436	
-21.12443	-6.88600	96.40000	0.0			5.9323	
-20.13571	-6.88500	96.40000	0.0			6.9210	
-19.14700	-6.88400	96.40000	0.0				
-19.04700	-6.88400	27 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	0.0	
-19.04700	-6.76560	96.40000	0.0			0.11840	
-19.04700	-6.64720	96.40000	0.0			0.23680	
-19.04700	-6.52880	96.40000	0.0			0.35520	
-19.04700	-6.41040	96.40000	0.0			0.47360	
-19.04700	-6.29200	96.40000	0.0			0.59200	
-19.04700	-6.17360	96.40000	0.0			0.71040	
-19.04700	-6.05520	96.40000	0.0			0.82880	
-19.04700	-5.93680	96.40000	0.0			0.94720	
-19.04700	-5.81840	96.40000	0.0			1.0656	
-19.04700	-5.70000	96.40000	0.0			1.1840	
-19.14700	-5.70000	28 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	0.0	
-19.33130	-5.70000	96.40000	0.0			0.18430	
-19.51560	-5.70000	96.40000	0.0			0.36860	
-19.69990	-5.70000	96.40000	0.0			0.55290	
-19.88420	-5.70000	96.40000	0.0			0.73720	
-20.06850	-5.70000	96.40000	0.0			0.92150	
-20.25280	-5.70000	96.40000	0.0			1.1058	
-20.43710	-5.70000	96.40000	0.0			1.2901	
-20.62140	-5.70000	96.40000	0.0041238			1.4744	
-20.80570	-5.70000	96.40000	0.0098262			1.6587	
-20.99000	-5.70000	96.40000	0.015154			1.8430	
-21.09000	-5.70000	29 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	0.0	
-21.09000	-5.70000	96.40000	0.018218			0.13430	
-21.09000	-5.56570	96.40000	0.025928			0.26860	
-21.09000	-5.43140	96.40000	0.036065			0.40290	
-21.09000	-5.29710	96.40000	0.049024			0.53720	
-21.09000	-5.16280	96.40000	0.069757			0.67150	
-21.09000	-5.02850	96.40000	0.094365			0.80580	
-21.09000	-4.89420	96.40000	0.12144			0.94010	
-21.09000	-4.75990	96.40000	0.15185			1.0744	
-21.09000	-4.62560	96.40000	0.18586			1.2087	
-21.09000	-4.49130	96.40000	0.22323			1.3430	
-21.09000	-4.35700	96.40000	0.26340				
-24.32700	-30.49200	30 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	0.0	
-25.28300	-30.44414	96.40000	0.0			0.95720	



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Stage: y	Stage: z	Name Specific δz Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-26.23900	-30.39629	96.40000	0.0			1.9144	
-27.19500	-30.34843	96.40000	0.0			2.8716	
-28.15100	-30.30057	96.40000	0.0			3.8288	
-29.10700	-30.25271	96.40000	0.0			4.7860	
-30.06300	-30.20486	96.40000	0.0			5.7432	
-31.01900	-30.15700	96.40000	0.0			6.7004	
-31.11900	-30.15700	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	0.0
-31.11825	-29.16783	96.40000	0.0			0.98917	
-31.11750	-28.17867	96.40000	0.0			1.9783	
-31.11675	-27.18950	96.40000	0.0			2.9675	
-31.11600	-26.20033	96.40000	0.0			3.9567	
-31.11525	-25.21117	96.40000	0.0			4.9458	
-31.11450	-24.22200	96.40000	0.0			5.9350	
-31.11375	-23.23283	96.40000	0.0			6.9242	
-31.11300	-22.24367	96.40000	0.0			7.9133	
-31.11225	-21.25450	96.40000	0.0			8.9025	
-31.11150	-20.26533	96.40000	0.0			9.8917	
-31.11075	-19.27617	96.40000	0.0			10.881	
-31.11000	-18.28700	96.40000	0.0			11.870	
-31.10925	-17.29783	96.40000	0.0			12.859	
-31.10850	-16.30867	96.40000	0.0			13.848	
-31.10775	-15.31950	96.40000	0.0			14.838	
-31.10700	-14.33033	96.40000	0.0			15.827	
-31.10625	-13.34117	96.40000	0.0			16.816	
-31.10550	-12.35200	96.40000	0.0			17.805	
-31.10475	-11.36283	96.40000	0.0			18.794	
-31.10400	-10.37367	96.40000	0.0			19.783	
-31.10325	-9.38450	96.40000	0.0			20.773	
-31.10250	-8.39533	96.40000	0.0			21.762	
-31.10175	-7.40617	96.40000	0.0			22.751	
-31.10100	-6.41700	96.40000	0.0			23.740	
-31.00100	-6.41700	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	0.0
-30.03740	-6.35920	96.40000	0.0			0.96533	
-29.07380	-6.30140	96.40000	0.0029315			1.9307	
-28.11020	-6.24360	96.40000	0.0058547			2.8960	
-27.14660	-6.18580	96.40000	0.0085533			3.8613	
-26.18300	-6.12800	96.40000	0.011207			4.8267	
-26.08300	-6.12800	96.40000	0.011207	No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	0.0
						0.98234	



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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-25.10440	-6.04240	96.40000	0.015413			1.9647	
-24.12580	-5.95680	96.40000	0.020402			2.9470	
-23.14720	-5.87120	96.40000	0.026638			3.9293	
-22.16860	-5.78560	96.40000	0.034539			4.9117	
-21.19000	-5.70000	96.40000	0.021468				
-1.00000	-40.00000	99.25000	0.0	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	0.0
-1.00000	-39.00000	99.25000	0.0			1.0000	
-1.00000	-38.00000	99.25000	0.0			2.0000	
-1.00000	-37.00000	99.25000	0.0			3.0000	
-1.00000	-36.00000	99.25000	0.0			4.0000	
-1.00000	-35.00000	99.25000	0.0			5.0000	
-1.00000	-34.00000	99.25000	0.0			6.0000	
-1.00000	-33.00000	99.25000	0.0			7.0000	
-1.00000	-32.00000	99.25000	0.0			8.0000	
-1.00000	-31.00000	99.25000	0.0			9.0000	
-1.00000	-30.00000	99.25000	0.0			10.0000	
-1.00000	-29.00000	99.25000	0.0			11.0000	
-1.00000	-28.00000	99.25000	0.0			12.0000	
-1.00000	-27.00000	99.25000	0.0			13.0000	
-1.00000	-26.00000	99.25000	0.0			14.0000	
-1.00000	-25.00000	99.25000	0.0			15.0000	
-1.00000	-24.00000	99.25000	0.0			16.0000	
-1.00000	-23.00000	99.25000	0.0			17.0000	
-1.00000	-22.00000	99.25000	0.0			18.0000	
-1.00000	-21.00000	99.25000	0.0			19.0000	
-1.00000	-20.00000	99.25000	0.0			20.0000	
-1.00000	-19.00000	99.25000	0.0			21.0000	
-1.00000	-18.00000	99.25000	0.0			22.0000	
-1.00000	-17.00000	99.25000	0.0			23.0000	
-1.00000	-16.00000	99.25000	0.0			24.0000	
-1.00000	-15.00000	99.25000	0.0			25.0000	
-1.00000	-14.00000	99.25000	0.0			26.0000	
-1.00000	-13.00000	99.25000	0.0			27.0000	
-1.00000	-12.00000	99.25000	0.0			28.0000	
-1.00000	-11.00000	99.25000	0.0			29.0000	
-1.00000	-10.00000	99.25000	0.0			30.0000	
-1.00000	-9.00000	99.25000	0.0			31.0000	
-1.00000	-8.00000	99.25000	0.0			32.0000	
-1.00000	-7.00000	99.25000	0.0			33.0000	



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Ground Movement Assessment
Stage 1 - Short Term - Demolition

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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-1.00000	-6.00000	99.25000	0.0			34.000	
-1.00000	-5.00000	99.25000	0.0			35.000	
-1.00000	-4.00000	99.25000	0.026132			36.000	
-1.00000	-3.00000	99.25000	0.048478			37.000	
-1.00000	-2.00000	99.25000	0.065562			38.000	
-1.00000	-1.00000	99.25000	0.071245			39.000	
-1.00000	0.00000	99.25000	0.075952			40.000	
-1.00000	1.00000	99.25000	0.080940			41.000	
-1.00000	2.00000	99.25000	0.086222			42.000	
-1.00000	3.00000	99.25000	0.091811			43.000	
-1.00000	4.00000	99.25000	0.097720			44.000	
-1.00000	5.00000	99.25000	0.10396			45.000	
-1.00000	6.00000	99.25000	0.11054			46.000	
-1.00000	7.00000	99.25000	0.10135			47.000	
-1.00000	8.00000	99.25000	0.070084			48.000	
-1.00000	9.00000	99.25000	0.037143			49.000	
-1.00000	10.00000	99.25000	0.0065874			50.000	
-1.00000	11.00000	99.25000	0.0			51.000	
-1.00000	12.00000	99.25000	0.0			52.000	
-1.00000	13.00000	99.25000	0.0			53.000	
-1.00000	14.00000	99.25000	0.0			54.000	
-1.00000	15.00000	99.25000	0.0			55.000	
-1.00000	16.00000	99.25000	0.0			56.000	
-1.00000	17.00000	99.25000	0.0			57.000	
-1.00000	18.00000	99.25000	0.0			58.000	
-1.00000	19.00000	99.25000	0.0			59.000	
-1.00000	20.00000	99.25000	0.0			60.000	
-1.00000	21.00000	99.25000	0.0			61.000	
-1.00000	22.00000	99.25000	0.0			62.000	
-1.00000	23.00000	99.25000	0.0			63.000	
-1.00000	24.00000	99.25000	0.0			64.000	
-1.00000	25.00000	99.25000	0.0			65.000	
-1.00000	26.00000	99.25000	0.0			66.000	
-1.00000	27.00000	99.25000	0.0			67.000	
-1.00000	28.00000	99.25000	0.0			68.000	
-1.00000	29.00000	99.25000	0.0			69.000	
-1.00000	30.00000	99.25000	0.0			70.000	

Specific Building Damage Results - Detail



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Stage: Name	Specific Building: Name	Specific Building: Name	Sub-building Name	Vertical Dist.	x	
y	z	δz		Offset		
Ref.	Building: Ref.					
Stage: Name	Specific Building: Name	Specific Building: Name	Sub-building Name	Vertical Offset		
Segment	Start Length	Curvature Deflection	Average	Max	Max Gradient	
Damage Category				Max	Max Gradient	
Ref.	Building: Ref.			from Line for		
Ratio	Horizontal	Tensile	of	of Vertical	Radius of	
Strain	Strain	Horizontal	Displacement	Curvature		
Displacement	Curve					
Curve						
[m]	[m]	[%]	[%]	[%]	[m]	
					[m]	
0	Base Model	1	No	11 Lyndhurst Terrace	No 11 LG - Line 1	0.0 All
vertical displacements are less than the limit sensitivity.						
		2	No	11 Lyndhurst Terrace	No 11 LG - Line 2	0.0 All
vertical displacements are less than the limit sensitivity.						
		3	No	11 Lyndhurst Terrace	No 11 LG - Line 3	0.0 All
vertical displacements are less than the limit sensitivity.						
		4	No	11 Lyndhurst Terrace	No 11 LG - Line 4	0.0 All
vertical displacements are less than the limit sensitivity.						
		5	No	11 Lyndhurst Terrace	No 11 LG - Line 5	0.0 All
vertical displacements are less than the limit sensitivity.						
		6	No	11 Lyndhurst Terrace	No 11 LG - Line 6	0.0 All
vertical displacements are less than the limit sensitivity.						
		7	No	11 Lyndhurst Terrace	No 11 LG - Line 7	0.0 1
13.689	0.50681	None	0.0	0.033257	0.033257	-332.46E-6 -165.87E-6 7173.4 0 (Negligible)
		8	No	11 Lyndhurst Terrace	No 11 LG - Line 8	0.0 1
0.0	6.5848	None	28.471E-6	75.933E-6	93.877E-6	-759.33E-9 9.6682E-6 2.7448E+6 0 (Negligible)
		9	No	7 Lyndhurst Terrace	No 7 LG - Line 1	0.0 2
6.5848	1.5086	None	662.22E-6	265.18E-6	785.53E-6	-7.5340E-6 46.447E-6 29394. 0 (Negligible)
		10	No	7 Lyndhurst Terrace	No 7 LG - Line 2	0.0 1
0.0	8.1880	None	0.0015187	0.0058531	0.0069027	-278.47E-6 134.66E-6 6352.5 0 (Negligible)
		11	No	7 Lyndhurst Terrace	No 7 LG - Line 3	0.0 1
0.0	0.0	None	0.0	0.0	35.763E-9	-245.80E-6 111.82E-6 8542.6 0 (Negligible)
vertical displacements are less than the limit sensitivity.						
		12	No	7 Lyndhurst Terrace	No 7 LG - Line 4	0.0 All
vertical displacements are less than the limit sensitivity.						
		13	No	7 Lyndhurst Terrace	No 7 LG - Line 5	0.0 All
vertical displacements are less than the limit sensitivity.						
		14	No	7 Lyndhurst Terrace	No 7 LG - Line 6	0.0 All
vertical displacements are less than the limit sensitivity.						
		15	No	7 Lyndhurst Terrace	No 7 LG - Line 7	0.0 All
vertical displacements are less than the limit sensitivity.						
		16	No	7 Lyndhurst Terrace	No 7 LG - Line 8	0.0 All
vertical displacements are less than the limit sensitivity.						
		17	No	7 Lyndhurst Terrace	No 7 LG - Line 9	0.0 All
vertical displacements are less than the limit sensitivity.						
		18	No	7 Lyndhurst Terrace	No 7 LG - Line 10	0.0 All
vertical displacements are less than the limit sensitivity.						
		19	No	7 Lyndhurst Terrace	No 7 LG - Line 11	0.0 All
vertical displacements are less than the limit sensitivity.						
		20	No	7 Lyndhurst Terrace	No 7 LG - Line 12	0.0 All
vertical displacements are less than the limit sensitivity.						
		21	No	7 Lyndhurst Terrace	No 7 LG - Line 13	0.0 All
vertical displacements are less than the limit sensitivity.						
		22	No	7 Lyndhurst Terrace	No 7 LG - Line 14	0.0 All
vertical displacements are less than the limit sensitivity.						
		23	No	7 Lyndhurst Terrace	No 7 LG - Line 15	0.0 All
vertical displacements are less than the limit sensitivity.						
		24	No	7 Lyndhurst Terrace	No 7 LG - Line 16	0.0 All
vertical displacements are less than the limit sensitivity.						
		25	No	7 Lyndhurst Terrace	No 7 LG - Line 17	0.0 All
vertical displacements are less than the limit sensitivity.						
		26	No	7 Lyndhurst Terrace	No 7 LG - Line 18	0.0 All
vertical displacements are less than the limit sensitivity.						
		27	No	7 Lyndhurst Terrace	No 7 LG - Line 19	0.0 All
vertical displacements are less than the limit sensitivity.						
		28	No	7 Lyndhurst Terrace	No 7 LG - Line 20	0.0 All
vertical displacements are less than the limit sensitivity.						
		29	No	7 Lyndhurst Terrace	No 7 LG - Line 21	0.0 1
0.80580	0.53720	None	0.0012167	0.019816	0.019878	-318.05E-6 -299.07E-6 5193.7 0 (Negligible)
		30	No	7 Lyndhurst Terrace	No 7 LG - Line 22	0.0 All
vertical displacements are less than the limit sensitivity.						



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 1 - Short Term - Demolition

Stage	Stage	Name	Specific	Specific	Building:	Name	Sub-building	Vertical
Segment	Start	Length	Curvature	Deflection	Average	Max	Max	Max
Damage Category	Ref.	Building:						from Line for
	31	No 7 Lyndhurst Terrace	No 7 LG - Line 23					0.0 All
vertical displacements are less than the limit sensitivity.								
	32	No 7 Lyndhurst Terrace	No 7 LG - Line 24					0.0 All
vertical displacements are less than the limit sensitivity.								
	33	No 7 Lyndhurst Terrace	No 7 LG - Line 25					0.0 All
vertical displacements are less than the limit sensitivity.								
	34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line					0.0 1
45.000 2.0000 None	390.54E-6	-0.0041947	840.10E-6	83.902E-6	31.263E-6	64943.0 (Negligible)		
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.								

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Building

Stage	Stage	Name	Specific	Specific	Building:	Name	Sub-building	Vertical	Deflection
Average	Max	Slope	Max	Max	Max	Max	Max	Min	Radius
Category	Ref.	Building:						Offset from	Ratio
Horizontal	Ref.	Settlement	Tensile	Horizontal	Vertical	of	of	Line for	
Strain	Ref.	Ref.	Strain	Displacement	Displacement	Curvature	Curvature	Vertical	
Curve	Curve	(Hogging)	(Sagging)					Movement	
								Calculations	
[%]	[mm]	[%]	[m]	[m]	[m]	[m]	[m]	[m]	[%]
0	Base Model	7	No 11 Lyndhurst Terrace	No 11 LG - Line 7				0.0	0.0
0.033257	-165.87E-6	0.19639	0.033257	-332.46E-6	-165.87E-6	-	-	0 (Negligible)	
		8	No 11 Lyndhurst Terrace	No 11 LG - Line 8				0.0	662.22E-6
265.18E-6	46.447E-6	0.19643	785.53E-6	-7.5340E-6	46.447E-6	-	-	0 (Negligible)	
		9	No 7 Lyndhurst Terrace	No 7 LG - Line 1				0.0	0.0015187
0.0058531	134.66E-6	0.23075	0.0069027	-278.47E-6	134.66E-6	-	-	0 (Negligible)	
		10	No 7 Lyndhurst Terrace	No 7 LG - Line 2				0.0	0.0
0.0	111.82E-6	0.13707	35.763E-9	-245.80E-6	111.82E-6	-	-	0 (Negligible)	
		29	No 7 Lyndhurst Terrace	No 7 LG - Line 21				0.0	0.0012167
0.019816	-299.07E-6	0.26340	0.019878	-318.05E-6	-299.07E-6	-	-	0 (Negligible)	
		34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line				0.0	390.54E-6
-0.0041947	31.263E-6	0.11048	840.10E-6	83.902E-6	31.263E-6	-	-	0	
(Negligible)									

Specific Building Damage Results - Critical Segments within Each Building

Stage	Stage	Name	Specific	Specific	Building:	Name	Parameter	Critical
Building	Critical	Start	End	Curvature	Max	Slope	Max	Min
Category	Ref.	Building:						Sub-
Segment	Ref.	Ref.	Settlement	Tensile	Radius of	Radius of		Damage
Strain	Curvature	Curvature						
(Hogging)	(Sagging)							
[m]	[m]	[mm]	[%]	[m]	[m]			
0	Base Model	0	No 11 Lyndhurst Terrace	Max Slope				No 11 LG - Line 7
1	13.689	14.196	None	165.87E-6	0.19639	0.033257	-	0 (Negligible)
								No 11 LG - Line 8
1	0.0	6.5848	None	9.6682E-6	0.19643	93.877E-6	-	0 (Negligible)
								No 11 LG - Line 7
1	13.689	14.196	None	165.87E-6	0.19639	0.033257	-	0 (Negligible)
								Min Radius of Curvature (Hogging)
-	-	-	-	-	-	-	-	-
								Min Radius of Curvature (Sagging)
-	-	-	-	-	-	-	-	-
								No 7 LG - Line 21
1	0.80580	1.3430	None	299.07E-6	0.26340	0.019878	-	0 (Negligible)
								No 7 LG - Line 21
1	0.80580	1.3430	None	299.07E-6	0.26340	0.019878	-	0 (Negligible)
								No 7 LG - Line 21
1	0.80580	1.3430	None	299.07E-6	0.26340	0.019878	-	0 (Negligible)
								Min Radius of Curvature (Hogging)
-	-	-	-	-	-	-	-	-
								Min Radius of Curvature (Sagging)



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

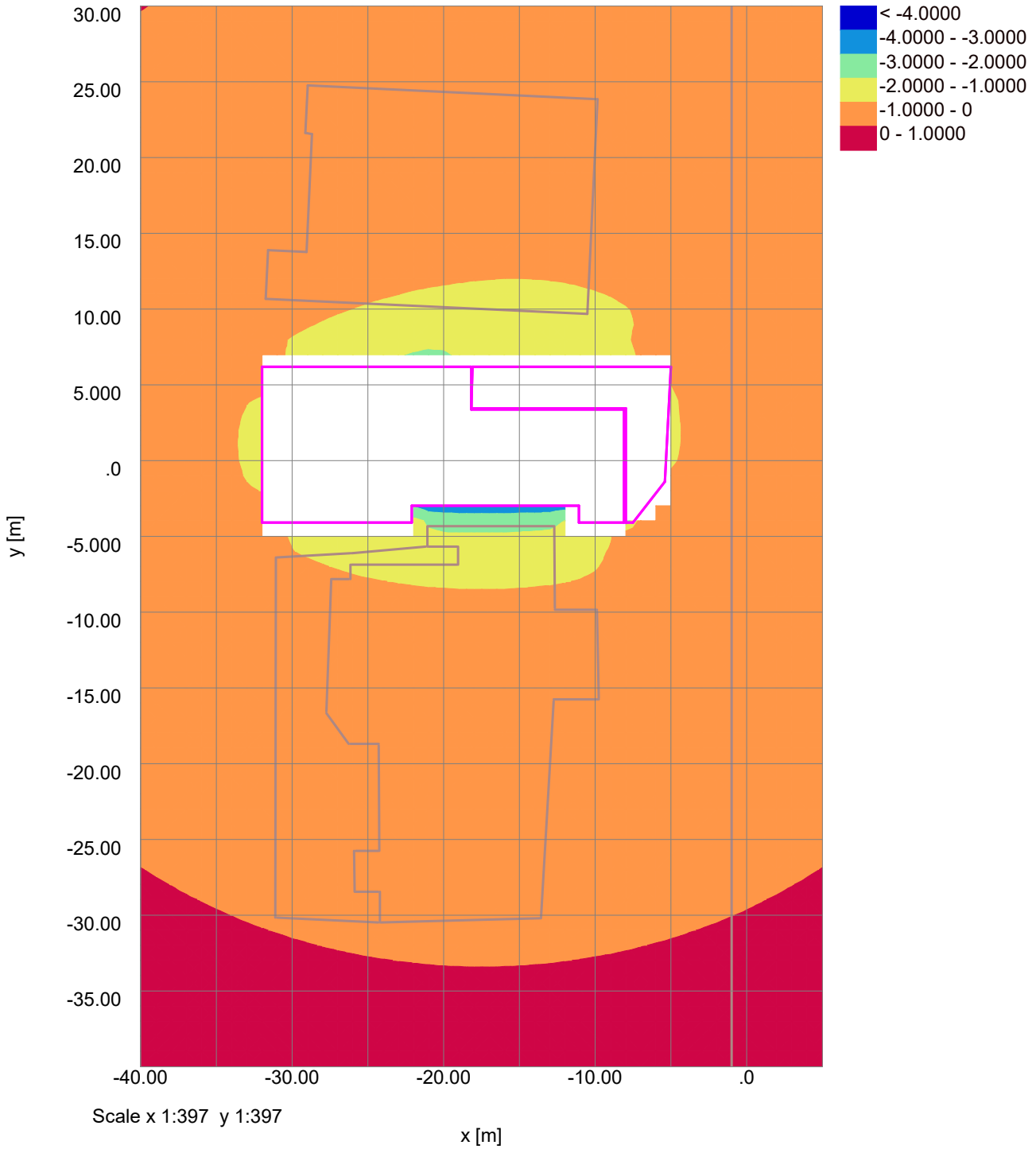
9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 1 - Short Term - Demolition

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Stage: Building Category	Stage: Ref.	Name	Specific Building: Critical	Specific Building: Start	Specific Building: End	Specific Building: Curvature	Specific Building: Max Slope	Parameter Max	Parameter Min	Critical Sub-Damage
-	-	-	-	-	-	-	-	-	-	-
Curb Line	1	0	Lyndhurst Terrace	Curb Line			Max Slope	0.11048	840.10E-6	Lyndhurst Terrace - 0 (Negligible)
Curb Line	1	45.000	47.000	None	31.263E-6	0.11048	840.10E-6			Lyndhurst Terrace - 0 (Negligible)
Curb Line	1	45.000	47.000	None	31.263E-6	0.11048	840.10E-6			Lyndhurst Terrace - 0 (Negligible)
							Max Tensile Strain			Lyndhurst Terrace - 0 (Negligible)
							Min Radius of Curvature (Hogging)			
							Min Radius of Curvature (Sagging)			

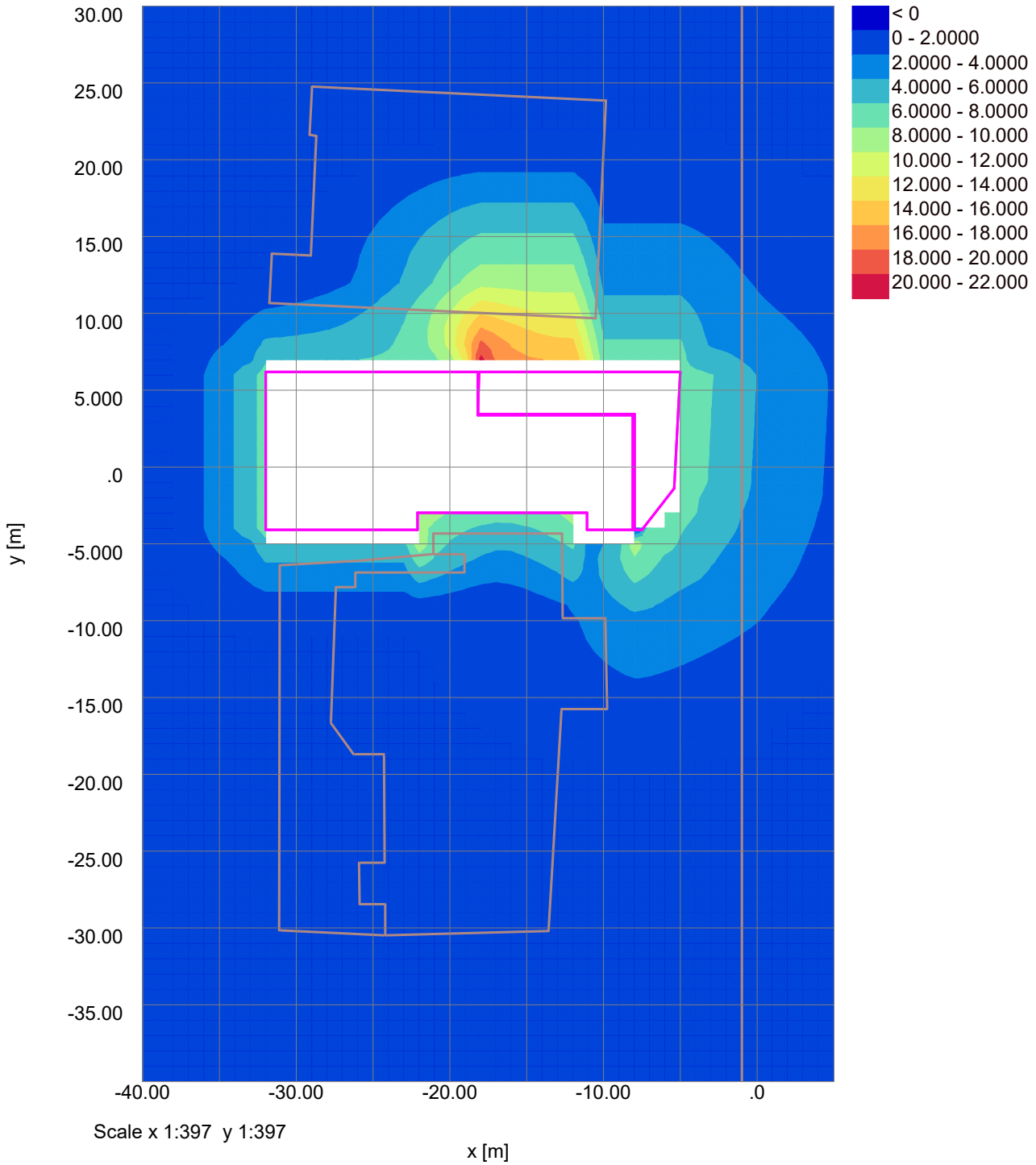
9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Vertical Settlement Contours: Grid 1 (level 99.750m) (Interval 1mm)



9 Lyndhurst Terrace, London
Ground Movement Assessment
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Horizontal Displacement Contours: Grid 1 (level 99.750m) Interval 2mm





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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Titles

Job No.: J20089
 Job Title: 9 Lyndhurst Terrace, London
 Sub-title: Ground Movement Assessment
 Calculation Heading: Stage 2 - Bulk Excavation
 Initials: AT
 Checker:
 Date Saved: 30-Aug-2023
 Date Checked:
 Notes:
 File Name: XDisp - Stage 2 - Bulk Excavation.xdd
 File Path: G:\Shared\GEA\PROJECTS\2020\J20089 - 9 Lyndhurst Terrace\J20089A\GMA

History

Date	Time	By	Notes
10-Jun-2020	10:57	Alex Taylor	New
10-Jun-2020	11:11	Alex Taylor	
10-Jun-2020	19:07	Alex Taylor	
10-Jun-2020	19:12	Alex Taylor	
10-Jun-2020	19:14	Alex Taylor	
11-Jun-2020	12:11	Alex Taylor	
22-Jun-2020	12:41	Alex Taylor	
22-Jun-2020	13:10	Alex Taylor	
23-Sep-2020	14:20	Alex Taylor	
15-Oct-2020	15:14	Alex Taylor	
16-Oct-2020	12:05	Alex Taylor	
16-Oct-2020	12:19	Alex Taylor	
16-Oct-2020	13:06	Alex Taylor	
16-Oct-2020	13:10	Alex Taylor	
23-Oct-2020	14:54	Alex Taylor	
23-Oct-2020	15:03	Alex Taylor	
27-Oct-2020	11:54	Alex Taylor	
30-Aug-2023	09:29	Alex Taylor	
30-Aug-2023	12:39	Alex Taylor	
31-Aug-2023	15:29	Alex Taylor	Open

Displacement Lines

Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface
Interpolate	Calculate								
									type
									for
									tunnels
		[m]	[m]	[m]	[m]	[m]	[m]	[No.]	
1	No 11 LG - Line 1	-31.74200	10.69900	98.25000	-31.58900	13.89500	98.25000	6	Surface
No	Yes								
2	No 11 LG - Line 2	-31.58900	13.89500	98.25000	-29.07200	13.77500	98.25000	5	Surface
No	Yes								
3	No 11 LG - Line 3	-29.07200	13.77500	98.25000	-28.69900	21.56200	98.25000	16	Surface
No	Yes								
4	No 11 LG - Line 4	-28.69900	21.56200	98.25000	-29.13400	21.64000	98.25000	2	Surface
No	Yes								
5	No 11 LG - Line 5	-29.13400	21.64000	98.25000	-28.98400	24.78000	98.25000	6	Surface
No	Yes								
6	No 11 LG - Line 6	-28.98400	24.78000	98.25000	-9.84300	23.86500	98.25000	38	Surface
No	Yes								
7	No 11 LG - Line 7	-9.84300	23.86500	98.25000	-10.52100	9.68500	98.25000	28	Surface
No	Yes								
8	No 11 LG - Line 8	-10.52100	9.68500	98.25000	-31.74200	10.69900	98.25000	42	Surface
No	Yes								
9	No 7 LG - Line 1	-20.99000	-4.35700	96.40000	-12.80200	-4.32600	96.40000	8	Surface
No	Yes								
10	No 7 IG - Line 2	-12.70200	-4.32600	96.40000	-12.69600	-9.74800	96.40000	5	Surface
No	Yes								



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Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface
Interpolate	Calculate								type
imported									
11	No 7 LG - Line 3	-12.69600	-9.84800	96.40000	-9.89100	-9.84800	96.40000	3	Surface
No	Yes								
12	No 7 LG - Line 4	-9.89100	-9.94800	96.40000	-9.78800	-15.67400	96.40000	6	Surface
No	Yes								
13	No 7 LG - Line 5	-9.78800	-15.77400	96.40000	-12.74000	-15.77400	96.40000	3	Surface
No	Yes								
14	No 7 LG - Line 6	-12.74000	-15.87400	96.40000	-13.58600	-30.11500	96.40000	15	Surface
No	Yes								
15	No 7 LG - Line 7	-13.58600	-30.21500	96.40000	-24.12700	-30.49200	96.40000	10	Surface
No	Yes								
16	No 7 LG - Line 8	-24.22700	-30.49200	96.40000	-24.24100	-28.45400	96.40000	2	Surface
No	Yes								
17	No 7 LG - Line 9	-24.34100	-28.45400	96.40000	-25.80000	-28.46600	96.40000	2	Surface
No	Yes								
18	No 7 LG - Line 10	-25.90000	-28.46600	96.40000	-25.91900	-25.77300	96.40000	2	Surface
No	Yes								
19	No 7 LG - Line 11	-25.81900	-25.77300	96.40000	-24.36000	-25.76100	96.40000	2	Surface
No	Yes								
20	No 7 LG - Line 12	-24.26000	-25.76100	96.40000	-24.30900	-18.80800	96.40000	7	Surface
No	Yes								
21	No 7 LG - Line 13	-24.30900	-18.70800	96.40000	-26.16700	-18.70800	96.40000	2	Surface
No	Yes								
22	No 7 LG - Line 14	-26.26700	-18.70800	96.40000	-27.76500	-16.67900	96.40000	3	Surface
No	Yes								
23	No 7 LG - Line 15	-27.76500	-16.57900	96.40000	-27.44600	-7.92200	96.40000	8	Surface
No	Yes								
24	No 7 LG - Line 16	-27.44600	-7.82200	96.40000	-26.26700	-7.82100	96.40000	2	Surface
No	Yes								
25	No 7 LG - Line 17	-26.16700	-7.82100	96.40000	-26.16800	-6.89100	96.40000	10	Surface
No	Yes								
26	No 7 LG - Line 18	-26.06800	-6.89100	96.40000	-19.14700	-6.88400	96.40000	7	Surface
No	Yes								
27	No 7 LG - Line 19	-19.04700	-6.88400	96.40000	-19.04700	-5.70000	96.40000	10	Surface
No	Yes								
28	No 7 LG - Line 20	-19.14700	-5.70000	96.40000	-20.99000	-5.70000	96.40000	10	Surface
No	Yes								
29	No 7 LG - Line 21	-21.09000	-5.70000	96.40000	-21.09000	-4.35700	96.40000	10	Surface
No	Yes								
30	No 7 LG - Line 22	-24.32700	-30.49200	96.40000	-31.01900	-30.15700	96.40000	7	Surface
No	Yes								
31	No 7 LG - Line 23	-31.11900	-30.15700	96.40000	-31.10100	-6.41700	96.40000	24	Surface
No	Yes								
32	No 7 LG - Line 24	-31.00100	-6.41700	96.40000	-26.18300	-6.12800	96.40000	5	Surface
No	Yes								
33	No 7 LG - Line 25	-26.08300	-6.12800	96.40000	-21.19000	-5.70000	96.40000	5	Surface
No	Yes								
34	Thames Water Asset	2.00000	-40.00000	98.75000	2.00000	30.00000	98.75000	70	Surface
No	Yes								
35	Lyndhurst Terrace Curb Line	-1.00000	-40.00000	99.25000	-1.00000	30.00000	99.25000	70	Surface
No	Yes								
36	Cadent Gas Asset	0.00000	-40.00000	98.75000	0.00000	30.00000	98.75000	70	Surface
No	Yes								
37	UKPN Asset	-2.00000	-40.00000	98.75000	-2.00000	30.00000	98.75000	70	Surface
No	Yes								

Displacement Grids

Ref.	Name	Extrusion:	Base line	Base line	Base	Base	Base	Base	Base	Extrusion:	Extrusion:
Surface	Calculate	Direction	start: X	start: Y	line	line	line	line	line:	Distance	Intervals
type					start:	end:	end: Y	end:	Intervals		
for					Z (level)	X		Z (level)			
tunnels			[m]	[m]	[m]	[m]	[m]	[m]	[No.]	[m]	[No.]
1	Grid 1	Global X	-40.00000	-40.00000	99.75000	-	30.00000	99.75000	70	45.00000	45
Surface	Yes										

Imported Displacements



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Ground Movement Assessment
Stage 2 - Bulk Excavation

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Ref.	Name	Extrusion: Base line	Base line	Base line	Base line	Base line	Base line	Base line	Extrusion: Extrusion:	Extrusion: Extrusion:
Surface Calculate	Direction	start: X	start: Y	line	line	line	line	line	Distance	Intervals
type										
Set:	Set:	Result: Coordinates: Coordinates: Coordinates:								
Displacements:	Displacements:	Displacements:	Displacements:	Ref.	x	y	z	x		
Ref.	Name			Ref.	[m]	[m]	[m]	[mm]		
y	z									
[mm]	[mm]									
1	PDisp - Stage 2 - Bulk Excavation.pdd - Immediate	0.00000	0.00000	1	-31.74200	10.69900	98.25000			
0.00000		-0.54531	1,2,6	2	-31.71650	11.23167	98.25000			
0.00000		-0.50604	1,2,6	3	-31.69100	11.76433	98.25000			
0.00000		-0.47028	1,2,6	4	-31.66550	12.29700	98.25000			
0.00000		-0.43755	1,2,6	5	-31.64000	12.82967	98.25000			
0.00000		-0.40746	1,2,6	6	-31.61450	13.36233	98.25000			
0.00000		-0.37970	1,2,6	7	-31.58900	13.89500	98.25000			
0.00000		-0.35401	1,2,6	8	-31.08560	13.87100	98.25000			
0.00000		-0.37170	1,2,6	9	-30.58220	13.84700	98.25000			
0.00000		-0.38968	1,2,6	10	-30.07880	13.82300	98.25000			
0.00000		-0.40788	1,2,6	11	-29.57540	13.79900	98.25000			
0.00000		-0.42627	1,2,6	12	-29.07200	13.77500	98.25000			
0.00000		-0.44479	1,2,6	13	-29.04869	14.26169	98.25000			
0.00000		-0.41551	1,2,6	14	-29.02538	14.74838	98.25000			
0.00000		-0.38836	1,2,6	15	-29.00206	15.23506	98.25000			
0.00000		-0.36315	1,2,6	16	-28.97875	15.72175	98.25000			
0.00000		-0.33967	1,2,6	17	-28.95544	16.20844	98.25000			
0.00000		-0.31778	1,2,6	18	-28.93212	16.69513	98.25000			
0.00000		-0.29733	1,2,6	19	-28.90881	17.18181	98.25000			
0.00000		-0.27820	1,2,6	20	-28.88550	17.66850	98.25000			
0.00000		-0.26029	1,2,6	21	-28.86219	18.15519	98.25000			
0.00000		-0.24350	1,2,6	22	-28.83888	18.64187	98.25000			
0.00000		-0.22773	1,2,6	23	-28.81556	19.12856	98.25000			
0.00000		-0.21292	1,2,6	24	-28.79225	19.61525	98.25000			
0.00000		-0.19899	1,2,6	25	-28.76894	20.10194	98.25000			
0.00000		-0.18589	1,2,6	26	-28.74563	20.58863	98.25000			
0.00000		-0.17354	1,2,6	27	-28.72231	21.07531	98.25000			
0.00000		-0.16191	1,2,6	28	-28.69900	21.56200	98.25000			
0.00000		-0.15094	1,2,6	29	-28.91650	21.60100	98.25000			
0.00000		-0.14802	1,2,6	30	-29.13400	21.64000	98.25000			
0.00000		-0.14513	1,2,6	31	-29.10900	22.16333	98.25000			
0.00000		-0.13444	1,2,6	32	-29.08400	22.68667	98.25000			
0.00000		-0.12438	1,2,6	33	-29.05900	23.21000	98.25000			
0.00000		-0.11491	1,2,6	34	-29.03400	23.73333	98.25000			
0.00000		-0.10600	1,2,6	35	-29.00900	24.25667	98.25000			



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Ground Movement Assessment
Stage 2 - Bulk Excavation

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Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x
0.00000	0.00000	-0.09761 1,2,6	36	-28.98400	24.78000	98.25000	
0.00000	0.00000	-0.08970 1,2,6	37	-9.84300	23.86500	98.25000	
0.00000	0.00000	-0.13799 1,2,6	38	-9.86721	23.35857	98.25000	
0.00000	0.00000	-0.14963 1,2,6	39	-9.89143	22.85214	98.25000	
0.00000	0.00000	-0.16210 1,2,6	40	-9.91564	22.34571	98.25000	
0.00000	0.00000	-0.17546 1,2,6	41	-9.93986	21.83929	98.25000	
0.00000	0.00000	-0.18979 1,2,6	42	-9.96407	21.33286	98.25000	
0.00000	0.00000	-0.20519 1,2,6	43	-9.98829	20.82643	98.25000	
0.00000	0.00000	-0.22174 1,2,6	44	-10.01250	20.32000	98.25000	
0.00000	0.00000	-0.23955 1,2,6	45	-10.03671	19.81357	98.25000	
0.00000	0.00000	-0.25875 1,2,6	46	-10.06093	19.30714	98.25000	
0.00000	0.00000	-0.27946 1,2,6	47	-10.08514	18.80071	98.25000	
0.00000	0.00000	-0.30185 1,2,6	48	-10.10936	18.29429	98.25000	
0.00000	0.00000	-0.32609 1,2,6	49	-10.13357	17.78786	98.25000	
0.00000	0.00000	-0.35236 1,2,6	50	-10.15779	17.28143	98.25000	
0.00000	0.00000	-0.38091 1,2,6	51	-10.18200	16.77500	98.25000	
0.00000	0.00000	-0.41197 1,2,6	52	-10.20621	16.26857	98.25000	
0.00000	0.00000	-0.44586 1,2,6	53	-10.23043	15.76214	98.25000	
0.00000	0.00000	-0.48290 1,2,6	54	-10.25464	15.25571	98.25000	
0.00000	0.00000	-0.52350 1,2,6	55	-10.27886	14.74929	98.25000	
0.00000	0.00000	-0.56812 1,2,6	56	-10.30307	14.24286	98.25000	
0.00000	0.00000	-0.61729 1,2,6	57	-10.32729	13.73643	98.25000	
0.00000	0.00000	-0.67167 1,2,6	58	-10.35150	13.23000	98.25000	
0.00000	0.00000	-0.73202 1,2,6	59	-10.37571	12.72357	98.25000	
0.00000	0.00000	-0.79926 1,2,6	60	-10.39993	12.21714	98.25000	
0.00000	0.00000	-0.87450 1,2,6	61	-10.42414	11.71071	98.25000	
0.00000	0.00000	-0.95910 1,2,6	62	-10.44836	11.20429	98.25000	
0.00000	0.00000	-1.05475 1,2,6	63	-10.47257	10.69786	98.25000	
0.00000	0.00000	-1.16358 1,2,6	64	-10.49679	10.19143	98.25000	
0.00000	0.00000	-1.28829 1,2,6	65	-10.52100	9.68500	98.25000	
0.00000	0.00000	-1.43239 1,2,6	66	-11.02626	9.70914	98.25000	
0.00000	0.00000	-1.45379 1,2,6	67	-11.53152	9.73329	98.25000	
0.00000	0.00000	-1.47176 1,2,6	68	-12.03679	9.75743	98.25000	
0.00000	0.00000	-1.48628 1,2,6	69	-12.54205	9.78157	98.25000	
0.00000	0.00000	-1.49732 1,2,6	70	-13.04731	9.80571	98.25000	
0.00000	0.00000	-1.50484 1,2,6	71	-13.55257	9.82986	98.25000	
0.00000	0.00000	-1.50886 1,2,6	72	-14.05783	9.85400	98.25000	
0.00000	0.00000	-1.50936 1,2,6	73	-14.56310	9.87814	98.25000	
0.00000	0.00000	-1.50640 1,2,6					



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	0.00000	-1.50002 1,2,6	74	-15.06836	9.90229	98.25000
0.00000	0.00000	-1.49032 1,2,6	75	-15.57362	9.92643	98.25000
0.00000	0.00000	-1.47746 1,2,6	76	-16.07888	9.95057	98.25000
0.00000	0.00000	-1.46163 1,2,6	77	-16.58414	9.97471	98.25000
0.00000	0.00000	-1.44310 1,2,6	78	-17.08940	9.99886	98.25000
0.00000	0.00000	-1.42220 1,2,6	79	-17.59467	10.02300	98.25000
0.00000	0.00000	-1.39931 1,2,6	80	-18.09993	10.04714	98.25000
0.00000	0.00000	-1.37480 1,2,6	81	-18.60519	10.07129	98.25000
0.00000	0.00000	-1.34902 1,2,6	82	-19.11045	10.09543	98.25000
0.00000	0.00000	-1.32226 1,2,6	83	-19.61571	10.11957	98.25000
0.00000	0.00000	-1.29475 1,2,6	84	-20.12098	10.14371	98.25000
0.00000	0.00000	-1.26661 1,2,6	85	-20.62624	10.16786	98.25000
0.00000	0.00000	-1.23792 1,2,6	86	-21.13150	10.19200	98.25000
0.00000	0.00000	-1.20869 1,2,6	87	-21.63676	10.21614	98.25000
0.00000	0.00000	-1.17893 1,2,6	88	-22.14202	10.24029	98.25000
0.00000	0.00000	-1.14861 1,2,6	89	-22.64729	10.26443	98.25000
0.00000	0.00000	-1.11771 1,2,6	90	-23.15255	10.28857	98.25000
0.00000	0.00000	-1.08623 1,2,6	91	-23.65781	10.31271	98.25000
0.00000	0.00000	-1.05418 1,2,6	92	-24.16307	10.33686	98.25000
0.00000	0.00000	-1.02159 1,2,6	93	-24.66833	10.36100	98.25000
0.00000	0.00000	-0.98851 1,2,6	94	-25.17360	10.38514	98.25000
0.00000	0.00000	-0.95499 1,2,6	95	-25.67886	10.40929	98.25000
0.00000	0.00000	-0.92113 1,2,6	96	-26.18412	10.43343	98.25000
0.00000	0.00000	-0.88698 1,2,6	97	-26.68938	10.45757	98.25000
0.00000	0.00000	-0.85262 1,2,6	98	-27.19464	10.48171	98.25000
0.00000	0.00000	-0.81812 1,2,6	99	-27.69990	10.50586	98.25000
0.00000	0.00000	-0.78353 1,2,6	100	-28.20517	10.53000	98.25000
0.00000	0.00000	-0.74891 1,2,6	101	-28.71043	10.55414	98.25000
0.00000	0.00000	-0.71433 1,2,6	102	-29.21569	10.57829	98.25000
0.00000	0.00000	-0.67985 1,2,6	103	-29.72095	10.60243	98.25000
0.00000	0.00000	-0.64559 1,2,6	104	-30.22621	10.62657	98.25000
0.00000	0.00000	-0.61164 1,2,6	105	-30.73148	10.65071	98.25000
0.00000	0.00000	-0.57816 1,2,6	106	-31.23674	10.67486	98.25000
0.00000	0.00000	-2.52741 1,2,6	107	-20.99000	-4.35700	96.40000
0.00000	0.00000	-2.53146 1,2,6	108	-19.96650	-4.35313	96.40000
0.00000	0.00000	-2.54322 1,2,6	109	-18.94300	-4.34925	96.40000
0.00000	0.00000	-2.55153 1,2,6	110	-17.91950	-4.34537	96.40000
0.00000	0.00000	-2.55220 1,2,6	111	-16.89600	-4.34150	96.40000
0.00000	0.00000		112	-15.87250	-4.33763	96.40000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:		
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:
Ref.	Name	Ref.	x	y	z
0.00000	0.00000	-2.54299	1, 2, 6		
		113	-14.84900	-4.33375	96.40000
0.00000	0.00000	-2.52229	1, 2, 6		
		114	-13.82550	-4.32987	96.40000
0.00000	0.00000	-2.48909	1, 2, 6		
		115	-12.80200	-4.32600	96.40000
0.00000	0.00000	-2.44463	1, 2, 6		
		116	-12.70200	-4.32600	96.40000
0.00000	0.00000	-2.43968	1, 2, 6		
		117	-12.70080	-5.41040	96.40000
0.00000	0.00000	-1.84371	1, 2, 6		
		118	-12.69960	-6.49480	96.40000
0.00000	0.00000	-1.45077	1, 2, 6		
		119	-12.69840	-7.57920	96.40000
0.00000	0.00000	-1.16930	1, 2, 6		
		120	-12.69720	-8.66360	96.40000
0.00000	0.00000	-0.95758	1, 2, 6		
		121	-12.69600	-9.74800	96.40000
0.00000	0.00000	-0.79315	1, 2, 6		
		122	-12.69600	-9.84800	96.40000
0.00000	0.00000	-0.77985	1, 2, 6		
		123	-11.76100	-9.84800	96.40000
0.00000	0.00000	-0.75945	1, 2, 6		
		124	-10.82600	-9.84800	96.40000
0.00000	0.00000	-0.73528	1, 2, 6		
		125	-9.89100	-9.84800	96.40000
0.00000	0.00000	-0.70730	1, 2, 6		
		126	-9.89100	-9.94800	96.40000
0.00000	0.00000	-0.69554	1, 2, 6		
		127	-9.87383	-10.90233	96.40000
0.00000	0.00000	-0.59427	1, 2, 6		
		128	-9.85667	-11.85667	96.40000
0.00000	0.00000	-0.51040	1, 2, 6		
		129	-9.83950	-12.81100	96.40000
0.00000	0.00000	-0.44006	1, 2, 6		
		130	-9.82233	-13.76533	96.40000
0.00000	0.00000	-0.38048	1, 2, 6		
		131	-9.80517	-14.71967	96.40000
0.00000	0.00000	-0.32957	1, 2, 6		
		132	-9.78800	-15.67400	96.40000
0.00000	0.00000	-0.28577	1, 2, 6		
		133	-9.78800	-15.77400	96.40000
0.00000	0.00000	-0.28156	1, 2, 6		
		134	-10.77200	-15.77400	96.40000
0.00000	0.00000	-0.29210	1, 2, 6		
		135	-11.75600	-15.77400	96.40000
0.00000	0.00000	-0.30139	1, 2, 6		
		136	-12.74000	-15.77400	96.40000
0.00000	0.00000	-0.30934	1, 2, 6		
		137	-12.74000	-15.87400	96.40000
0.00000	0.00000	-0.30474	1, 2, 6		
		138	-12.79640	-16.82340	96.40000
0.00000	0.00000	-0.26471	1, 2, 6		
		139	-12.85280	-17.77280	96.40000
0.00000	0.00000	-0.22983	1, 2, 6		
		140	-12.90920	-18.72220	96.40000
0.00000	0.00000	-0.19934	1, 2, 6		
		141	-12.96560	-19.67160	96.40000
0.00000	0.00000	-0.17258	1, 2, 6		
		142	-13.02200	-20.62100	96.40000
0.00000	0.00000	-0.14902	1, 2, 6		
		143	-13.07840	-21.57040	96.40000
0.00000	0.00000	-0.12822	1, 2, 6		
		144	-13.13480	-22.51980	96.40000
0.00000	0.00000	-0.10982	1, 2, 6		
		145	-13.19120	-23.46920	96.40000
0.00000	0.00000	-0.09351	1, 2, 6		
		146	-13.24760	-24.41860	96.40000
0.00000	0.00000	-0.07902	1, 2, 6		
		147	-13.30400	-25.36800	96.40000
0.00000	0.00000	-0.06613	1, 2, 6		
		148	-13.36040	-26.31740	96.40000
0.00000	0.00000	-0.05465	1, 2, 6		
		149	-13.41680	-27.26680	96.40000
0.00000	0.00000	-0.04442	1, 2, 6		
		150	-13.47320	-28.21620	96.40000
0.00000	0.00000	-0.03529	1, 2, 6		



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Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
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Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	0.00000	-0.02715 1,2,6	151	-13.52960	-29.16560	96.40000
0.00000	0.00000	-0.01987 1,2,6	152	-13.58600	-30.11500	96.40000
0.00000	0.00000	-0.01915 1,2,6	153	-13.58600	-30.21500	96.40000
0.00000	0.00000	-0.01959 1,2,6	154	-14.64010	-30.24270	96.40000
0.00000	0.00000	-0.01983 1,2,6	155	-15.69420	-30.27040	96.40000
0.00000	0.00000	-0.01987 1,2,6	156	-16.74830	-30.29810	96.40000
0.00000	0.00000	-0.01971 1,2,6	157	-17.80240	-30.32580	96.40000
0.00000	0.00000	-0.01934 1,2,6	158	-18.85650	-30.35350	96.40000
0.00000	0.00000	-0.01878 1,2,6	159	-19.91060	-30.38120	96.40000
0.00000	0.00000	-0.01803 1,2,6	160	-20.96470	-30.40890	96.40000
0.00000	0.00000	-0.01710 1,2,6	161	-22.01880	-30.43660	96.40000
0.00000	0.00000	-0.01599 1,2,6	162	-23.07290	-30.46430	96.40000
0.00000	0.00000	-0.01473 1,2,6	163	-24.12700	-30.49200	96.40000
0.00000	0.00000	-0.01462 1,2,6	164	-24.22700	-30.49200	96.40000
0.00000	0.00000	-0.02174 1,2,6	165	-24.23400	-29.47300	96.40000
0.00000	0.00000	-0.02978 1,2,6	166	-24.24100	-28.45400	96.40000
0.00000	0.00000	-0.02963 1,2,6	167	-24.34100	-28.45400	96.40000
0.00000	0.00000	-0.02843 1,2,6	168	-25.07050	-28.46000	96.40000
0.00000	0.00000	-0.02714 1,2,6	169	-25.80000	-28.46600	96.40000
0.00000	0.00000	-0.02697 1,2,6	170	-25.90000	-28.46600	96.40000
0.00000	0.00000	-0.03861 1,2,6	171	-25.90950	-27.11950	96.40000
0.00000	0.00000	-0.05226 1,2,6	172	-25.91900	-25.77300	96.40000
0.00000	0.00000	-0.05252 1,2,6	173	-25.81900	-25.77300	96.40000
0.00000	0.00000	-0.05442 1,2,6	174	-25.08950	-25.76700	96.40000
0.00000	0.00000	-0.05618 1,2,6	175	-24.36000	-25.76100	96.40000
0.00000	0.00000	-0.05640 1,2,6	176	-24.26000	-25.76100	96.40000
0.00000	0.00000	-0.06862 1,2,6	177	-24.26700	-24.76771	96.40000
0.00000	0.00000	-0.08241 1,2,6	178	-24.27400	-23.77443	96.40000
0.00000	0.00000	-0.09800 1,2,6	179	-24.28100	-22.78114	96.40000
0.00000	0.00000	-0.11567 1,2,6	180	-24.28800	-21.78786	96.40000
0.00000	0.00000	-0.13573 1,2,6	181	-24.29500	-20.79457	96.40000
0.00000	0.00000	-0.15856 1,2,6	182	-24.30200	-19.80129	96.40000
0.00000	0.00000	-0.18462 1,2,6	183	-24.30900	-18.80800	96.40000
0.00000	0.00000	-0.18745 1,2,6	184	-24.30900	-18.70800	96.40000
0.00000	0.00000	-0.18123 1,2,6	185	-25.23800	-18.70800	96.40000
0.00000	0.00000	-0.17442 1,2,6	186	-26.16700	-18.70800	96.40000
0.00000	0.00000	-0.17365 1,2,6	187	-26.26700	-18.70800	96.40000
0.00000	0.00000	-0.18794 1,2,6	188	-26.76633	-18.03167	96.40000
0.00000	0.00000		189	-27.26567	-17.35533	96.40000



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Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x
0.00000	0.00000	-0.20288 1,2,6	190	-27.76500	-16.67900	96.40000	
0.00000	0.00000	-0.21846 1,2,6	191	-27.76500	-16.57900	96.40000	
0.00000	0.00000	-0.22170 1,2,6	192	-27.72513	-15.49688	96.40000	
0.00000	0.00000	-0.26042 1,2,6	193	-27.68525	-14.41475	96.40000	
0.00000	0.00000	-0.30592 1,2,6	194	-27.64538	-13.33263	96.40000	
0.00000	0.00000	-0.35984 1,2,6	195	-27.60550	-12.25050	96.40000	
0.00000	0.00000	-0.42435 1,2,6	196	-27.56563	-11.16838	96.40000	
0.00000	0.00000	-0.50248 1,2,6	197	-27.52575	-10.08625	96.40000	
0.00000	0.00000	-0.59856 1,2,6	198	-27.48588	-9.00413	96.40000	
0.00000	0.00000	-0.71904 1,2,6	199	-27.44600	-7.92200	96.40000	
0.00000	0.00000	-0.87407 1,2,6	200	-27.44600	-7.82200	96.40000	
0.00000	0.00000	-0.89043 1,2,6	201	-26.85650	-7.82150	96.40000	
0.00000	0.00000	-0.92612 1,2,6	202	-26.26700	-7.82100	96.40000	
0.00000	0.00000	-0.96019 1,2,6	203	-26.16700	-7.82100	96.40000	
0.00000	0.00000	-0.96577 1,2,6	204	-26.16710	-7.72800	96.40000	
0.00000	0.00000	-0.98305 1,2,6	205	-26.16720	-7.63500	96.40000	
0.00000	0.00000	-1.00078 1,2,6	206	-26.16730	-7.54200	96.40000	
0.00000	0.00000	-1.01897 1,2,6	207	-26.16740	-7.44900	96.40000	
0.00000	0.00000	-1.03764 1,2,6	208	-26.16750	-7.35600	96.40000	
0.00000	0.00000	-1.05682 1,2,6	209	-26.16760	-7.26300	96.40000	
0.00000	0.00000	-1.07652 1,2,6	210	-26.16770	-7.17000	96.40000	
0.00000	0.00000	-1.09676 1,2,6	211	-26.16780	-7.07700	96.40000	
0.00000	0.00000	-1.11758 1,2,6	212	-26.16790	-6.98400	96.40000	
0.00000	0.00000	-1.13899 1,2,6	213	-26.16800	-6.89100	96.40000	
0.00000	0.00000	-1.16102 1,2,6	214	-26.06800	-6.89100	96.40000	
0.00000	0.00000	-1.16800 1,2,6	215	-25.07929	-6.89000	96.40000	
0.00000	0.00000	-1.23289 1,2,6	216	-24.09057	-6.88900	96.40000	
0.00000	0.00000	-1.28795 1,2,6	217	-23.10186	-6.88800	96.40000	
0.00000	0.00000	-1.33125 1,2,6	218	-22.11314	-6.88700	96.40000	
0.00000	0.00000	-1.36298 1,2,6	219	-21.12443	-6.88600	96.40000	
0.00000	0.00000	-1.38540 1,2,6	220	-20.13571	-6.88500	96.40000	
0.00000	0.00000	-1.40119 1,2,6	221	-19.14700	-6.88400	96.40000	
0.00000	0.00000	-1.41173 1,2,6	222	-19.04700	-6.88400	96.40000	
0.00000	0.00000	-1.41249 1,2,6	223	-19.04700	-6.76560	96.40000	
0.00000	0.00000	-1.44649 1,2,6	224	-19.04700	-6.64720	96.40000	
0.00000	0.00000	-1.48166 1,2,6	225	-19.04700	-6.52880	96.40000	
0.00000	0.00000	-1.51807 1,2,6	226	-19.04700	-6.41040	96.40000	
0.00000	0.00000	-1.55579 1,2,6	227	-19.04700	-6.29200	96.40000	
0.00000	0.00000	-1.59489 1,2,6					



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Stage 2 - Bulk Excavation

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Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	0.00000	-1.63546 1,2,6	228	-19.04700	-6.17360	96.40000
0.00000	0.00000	-1.67757 1,2,6	229	-19.04700	-6.05520	96.40000
0.00000	0.00000	-1.72134 1,2,6	230	-19.04700	-5.93680	96.40000
0.00000	0.00000	-1.76686 1,2,6	231	-19.04700	-5.81840	96.40000
0.00000	0.00000	-1.81425 1,2,6	232	-19.04700	-5.70000	96.40000
0.00000	0.00000	-1.81349 1,2,6	233	-19.14700	-5.70000	96.40000
0.00000	0.00000	-1.81198 1,2,6	234	-19.33130	-5.70000	96.40000
0.00000	0.00000	-1.81034 1,2,6	235	-19.51560	-5.70000	96.40000
0.00000	0.00000	-1.80858 1,2,6	236	-19.69990	-5.70000	96.40000
0.00000	0.00000	-1.80670 1,2,6	237	-19.88420	-5.70000	96.40000
0.00000	0.00000	-1.80473 1,2,6	238	-20.06850	-5.70000	96.40000
0.00000	0.00000	-1.80266 1,2,6	239	-20.25280	-5.70000	96.40000
0.00000	0.00000	-1.80052 1,2,6	240	-20.43710	-5.70000	96.40000
0.00000	0.00000	-1.79831 1,2,6	241	-20.62140	-5.70000	96.40000
0.00000	0.00000	-1.79602 1,2,6	242	-20.80570	-5.70000	96.40000
0.00000	0.00000	-1.79366 1,2,6	243	-20.99000	-5.70000	96.40000
0.00000	0.00000	-1.79234 1,2,6	244	-21.09000	-5.70000	96.40000
0.00000	0.00000	-1.84949 1,2,6	245	-21.09000	-5.56570	96.40000
0.00000	0.00000	-1.90955 1,2,6	246	-21.09000	-5.43140	96.40000
0.00000	0.00000	-1.97276 1,2,6	247	-21.09000	-5.29710	96.40000
0.00000	0.00000	-2.03937 1,2,6	248	-21.09000	-5.16280	96.40000
0.00000	0.00000	-2.10968 1,2,6	249	-21.09000	-5.02850	96.40000
0.00000	0.00000	-2.18399 1,2,6	250	-21.09000	-4.89420	96.40000
0.00000	0.00000	-2.26267 1,2,6	251	-21.09000	-4.75990	96.40000
0.00000	0.00000	-2.34607 1,2,6	252	-21.09000	-4.62560	96.40000
0.00000	0.00000	-2.43460 1,2,6	253	-21.09000	-4.49130	96.40000
0.00000	0.00000	-2.52869 1,2,6	254	-21.09000	-4.35700	96.40000
0.00000	0.00000	-0.01451 1,2,6	255	-24.32700	-30.49200	96.40000
0.00000	0.00000	-0.01367 1,2,6	256	-25.28300	-30.44414	96.40000
0.00000	0.00000	-0.01271 1,2,6	257	-26.23900	-30.39629	96.40000
0.00000	0.00000	-0.01162 1,2,6	258	-27.19500	-30.34843	96.40000
0.00000	0.00000	-0.01042 1,2,6	259	-28.15100	-30.30057	96.40000
0.00000	0.00000	-0.00911 1,2,6	260	-29.10700	-30.25271	96.40000
0.00000	0.00000	-0.00771 1,2,6	261	-30.06300	-30.20486	96.40000
0.00000	0.00000	-0.00623 1,2,6	262	-31.01900	-30.15700	96.40000
0.00000	0.00000	-0.00604 1,2,6	263	-31.11900	-30.15700	96.40000
0.00000	0.00000	-0.01162 1,2,6	264	-31.11825	-29.16783	96.40000
0.00000	0.00000	-0.01785 1,2,6	265	-31.11750	-28.17867	96.40000
			266	-31.11675	-27.18950	96.40000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:		
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:
Ref.	Name	Ref.	x	y	z
0.00000	0.00000	-0.02481	1, 2, 6		
		267	-31.11600	-26.20033	96.40000
0.00000	0.00000	-0.03259	1, 2, 6		
		268	-31.11525	-25.21117	96.40000
0.00000	0.00000	-0.04129	1, 2, 6		
		269	-31.11450	-24.22200	96.40000
0.00000	0.00000	-0.05101	1, 2, 6		
		270	-31.11375	-23.23283	96.40000
0.00000	0.00000	-0.06188	1, 2, 6		
		271	-31.11300	-22.24367	96.40000
0.00000	0.00000	-0.07406	1, 2, 6		
		272	-31.11225	-21.25450	96.40000
0.00000	0.00000	-0.08770	1, 2, 6		
		273	-31.11150	-20.26533	96.40000
0.00000	0.00000	-0.10301	1, 2, 6		
		274	-31.11075	-19.27617	96.40000
0.00000	0.00000	-0.12022	1, 2, 6		
		275	-31.11000	-18.28700	96.40000
0.00000	0.00000	-0.13961	1, 2, 6		
		276	-31.10925	-17.29783	96.40000
0.00000	0.00000	-0.16150	1, 2, 6		
		277	-31.10850	-16.30867	96.40000
0.00000	0.00000	-0.18630	1, 2, 6		
		278	-31.10775	-15.31950	96.40000
0.00000	0.00000	-0.21449	1, 2, 6		
		279	-31.10700	-14.33033	96.40000
0.00000	0.00000	-0.24666	1, 2, 6		
		280	-31.10625	-13.34117	96.40000
0.00000	0.00000	-0.28358	1, 2, 6		
		281	-31.10550	-12.35200	96.40000
0.00000	0.00000	-0.32621	1, 2, 6		
		282	-31.10475	-11.36283	96.40000
0.00000	0.00000	-0.37582	1, 2, 6		
		283	-31.10400	-10.37367	96.40000
0.00000	0.00000	-0.43412	1, 2, 6		
		284	-31.10325	-9.38450	96.40000
0.00000	0.00000	-0.50356	1, 2, 6		
		285	-31.10250	-8.39533	96.40000
0.00000	0.00000	-0.58774	1, 2, 6		
		286	-31.10175	-7.40617	96.40000
0.00000	0.00000	-0.69258	1, 2, 6		
		287	-31.10100	-6.41700	96.40000
0.00000	0.00000	-0.82893	1, 2, 6		
		288	-31.00100	-6.41700	96.40000
0.00000	0.00000	-0.83925	1, 2, 6		
		289	-30.03740	-6.35920	96.40000
0.00000	0.00000	-0.94793	1, 2, 6		
		290	-29.07380	-6.30140	96.40000
0.00000	0.00000	-1.05507	1, 2, 6		
		291	-28.11020	-6.24360	96.40000
0.00000	0.00000	-1.16053	1, 2, 6		
		292	-27.14660	-6.18580	96.40000
0.00000	0.00000	-1.26505	1, 2, 6		
		293	-26.18300	-6.12800	96.40000
0.00000	0.00000	-1.36838	1, 2, 6		
		294	-26.08300	-6.12800	96.40000
0.00000	0.00000	-1.37706	1, 2, 6		
		295	-25.10440	-6.04240	96.40000
0.00000	0.00000	-1.48634	1, 2, 6		
		296	-24.12580	-5.95680	96.40000
0.00000	0.00000	-1.58676	1, 2, 6		
		297	-23.14720	-5.87120	96.40000
0.00000	0.00000	-1.67186	1, 2, 6		
		298	-22.16860	-5.78560	96.40000
0.00000	0.00000	-1.73837	1, 2, 6		
		299	-21.19000	-5.70000	96.40000
0.00000	0.00000	-1.79099	1, 2, 6		
		300	2.00000	-40.00000	98.75000
0.00000	0.00000	0.02813	1	301	2.00000
		0.02692	1	302	2.00000
		0.02553	1	303	2.00000
		0.02394	1	304	2.00000
		0.02213	1		



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Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.02009	1	305	2.00000	-35.00000	98.75000
0.00000	0.00000	0.01779	1	306	2.00000	-34.00000	98.75000
0.00000	0.00000	0.01522	1	307	2.00000	-33.00000	98.75000
0.00000	0.00000	0.01233	1	308	2.00000	-32.00000	98.75000
0.00000	0.00000	0.00911	1	309	2.00000	-31.00000	98.75000
0.00000	0.00000	0.00552	1	310	2.00000	-30.00000	98.75000
0.00000	0.00000	0.00153	1	311	2.00000	-29.00000	98.75000
0.00000	0.00000	-0.00290	1	312	2.00000	-28.00000	98.75000
0.00000	0.00000	-0.00781	1	313	2.00000	-27.00000	98.75000
0.00000	0.00000	-0.01325	1	314	2.00000	-26.00000	98.75000
0.00000	0.00000	-0.01926	1	315	2.00000	-25.00000	98.75000
0.00000	0.00000	-0.02589	1	316	2.00000	-24.00000	98.75000
0.00000	0.00000	-0.03320	1	317	2.00000	-23.00000	98.75000
0.00000	0.00000	-0.04127	1	318	2.00000	-22.00000	98.75000
0.00000	0.00000	-0.05014	1	319	2.00000	-21.00000	98.75000
0.00000	0.00000	-0.05991	1	320	2.00000	-20.00000	98.75000
0.00000	0.00000	-0.07064	1	321	2.00000	-19.00000	98.75000
0.00000	0.00000	-0.08243	1	322	2.00000	-18.00000	98.75000
0.00000	0.00000	-0.09536	1	323	2.00000	-17.00000	98.75000
0.00000	0.00000	-0.10952	1	324	2.00000	-16.00000	98.75000
0.00000	0.00000	-0.12503	1	325	2.00000	-15.00000	98.75000
0.00000	0.00000	-0.14196	1	326	2.00000	-14.00000	98.75000
0.00000	0.00000	-0.16041	1	327	2.00000	-13.00000	98.75000
0.00000	0.00000	-0.18046	1	328	2.00000	-12.00000	98.75000
0.00000	0.00000	-0.20216	1	329	2.00000	-11.00000	98.75000
0.00000	0.00000	-0.22552	1	330	2.00000	-10.00000	98.75000
0.00000	0.00000	-0.25050	1	331	2.00000	-9.00000	98.75000
0.00000	0.00000	-0.27695	1	332	2.00000	-8.00000	98.75000
0.00000	0.00000	-0.30461	1	333	2.00000	-7.00000	98.75000
0.00000	0.00000	-0.33308	1	334	2.00000	-6.00000	98.75000
0.00000	0.00000	-0.36176	1	335	2.00000	-5.00000	98.75000
0.00000	0.00000	-0.38986	1	336	2.00000	-4.00000	98.75000
0.00000	0.00000	-0.41640	1	337	2.00000	-3.00000	98.75000
0.00000	0.00000	-0.44027	1	338	2.00000	-2.00000	98.75000
0.00000	0.00000	-0.46034	1	339	2.00000	-1.00000	98.75000
0.00000	0.00000	-0.47555	1	340	2.00000	0.00000	98.75000
0.00000	0.00000	-0.48500	1	341	2.00000	1.00000	98.75000
0.00000	0.00000	-0.48812	1	342	2.00000	2.00000	98.75000
				343	2.00000	3.00000	98.75000



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Ground Movement Assessment
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Drg. Ref.		
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Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-0.48465	1					
0.00000	0.00000	-0.47472	1	344	2.00000	4.00000	98.75000	
0.00000	0.00000	-0.45884	1	345	2.00000	5.00000	98.75000	
0.00000	0.00000	-0.43788	1	346	2.00000	6.00000	98.75000	
0.00000	0.00000	-0.41301	1	347	2.00000	7.00000	98.75000	
0.00000	0.00000	-0.38547	1	348	2.00000	8.00000	98.75000	
0.00000	0.00000	-0.35649	1	349	2.00000	9.00000	98.75000	
0.00000	0.00000	-0.32713	1	350	2.00000	10.00000	98.75000	
0.00000	0.00000	-0.29821	1	351	2.00000	11.00000	98.75000	
0.00000	0.00000	-0.27031	1	352	2.00000	12.00000	98.75000	
0.00000	0.00000	-0.24382	1	353	2.00000	13.00000	98.75000	
0.00000	0.00000	-0.21894	1	354	2.00000	14.00000	98.75000	
0.00000	0.00000	-0.19578	1	355	2.00000	15.00000	98.75000	
0.00000	0.00000	-0.17434	1	356	2.00000	16.00000	98.75000	
0.00000	0.00000	-0.15459	1	357	2.00000	17.00000	98.75000	
0.00000	0.00000	-0.13645	1	358	2.00000	18.00000	98.75000	
0.00000	0.00000	-0.11985	1	359	2.00000	19.00000	98.75000	
0.00000	0.00000	-0.10467	1	360	2.00000	20.00000	98.75000	
0.00000	0.00000	-0.09082	1	361	2.00000	21.00000	98.75000	
0.00000	0.00000	-0.07820	1	362	2.00000	22.00000	98.75000	
0.00000	0.00000	-0.06671	1	363	2.00000	23.00000	98.75000	
0.00000	0.00000	-0.05626	1	364	2.00000	24.00000	98.75000	
0.00000	0.00000	-0.04676	1	365	2.00000	25.00000	98.75000	
0.00000	0.00000	-0.03814	1	366	2.00000	26.00000	98.75000	
0.00000	0.00000	-0.03032	1	367	2.00000	27.00000	98.75000	
0.00000	0.00000	-0.02324	1	368	2.00000	28.00000	98.75000	
0.00000	0.00000	-0.01682	1	369	2.00000	29.00000	98.75000	
0.00000	0.00000	-0.01102	1	370	2.00000	30.00000	98.75000	
0.00000	0.00000	0.02677	1, 2, 6	371	-1.00000	-40.00000	99.25000	
0.00000	0.00000	0.02531	1, 2, 6	372	-1.00000	-39.00000	99.25000	
0.00000	0.00000	0.02364	1, 2, 6	373	-1.00000	-38.00000	99.25000	
0.00000	0.00000	0.02174	1, 2, 6	374	-1.00000	-37.00000	99.25000	
0.00000	0.00000	0.01958	1, 2, 6	375	-1.00000	-36.00000	99.25000	
0.00000	0.00000	0.01714	1, 2, 6	376	-1.00000	-35.00000	99.25000	
0.00000	0.00000	0.01439	1, 2, 6	377	-1.00000	-34.00000	99.25000	
0.00000	0.00000	0.01130	1, 2, 6	378	-1.00000	-33.00000	99.25000	
0.00000	0.00000	0.00783	1, 2, 6	379	-1.00000	-32.00000	99.25000	
0.00000	0.00000	0.00395	1, 2, 6	380	-1.00000	-31.00000	99.25000	
0.00000	0.00000	-0.00040	1, 2, 6	381	-1.00000	-30.00000	99.25000	



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Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
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Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	0.00000	-0.00524 1,2,6	382	-1.00000	-29.00000	99.25000
0.00000	0.00000	-0.01064 1,2,6	383	-1.00000	-28.00000	99.25000
0.00000	0.00000	-0.01666 1,2,6	384	-1.00000	-27.00000	99.25000
0.00000	0.00000	-0.02335 1,2,6	385	-1.00000	-26.00000	99.25000
0.00000	0.00000	-0.03080 1,2,6	386	-1.00000	-25.00000	99.25000
0.00000	0.00000	-0.03908 1,2,6	387	-1.00000	-24.00000	99.25000
0.00000	0.00000	-0.04829 1,2,6	388	-1.00000	-23.00000	99.25000
0.00000	0.00000	-0.05853 1,2,6	389	-1.00000	-22.00000	99.25000
0.00000	0.00000	-0.06990 1,2,6	390	-1.00000	-21.00000	99.25000
0.00000	0.00000	-0.08256 1,2,6	391	-1.00000	-20.00000	99.25000
0.00000	0.00000	-0.09664 1,2,6	392	-1.00000	-19.00000	99.25000
0.00000	0.00000	-0.11231 1,2,6	393	-1.00000	-18.00000	99.25000
0.00000	0.00000	-0.12977 1,2,6	394	-1.00000	-17.00000	99.25000
0.00000	0.00000	-0.14923 1,2,6	395	-1.00000	-16.00000	99.25000
0.00000	0.00000	-0.17094 1,2,6	396	-1.00000	-15.00000	99.25000
0.00000	0.00000	-0.19519 1,2,6	397	-1.00000	-14.00000	99.25000
0.00000	0.00000	-0.22228 1,2,6	398	-1.00000	-13.00000	99.25000
0.00000	0.00000	-0.25258 1,2,6	399	-1.00000	-12.00000	99.25000
0.00000	0.00000	-0.28647 1,2,6	400	-1.00000	-11.00000	99.25000
0.00000	0.00000	-0.32434 1,2,6	401	-1.00000	-10.00000	99.25000
0.00000	0.00000	-0.36660 1,2,6	402	-1.00000	-9.00000	99.25000
0.00000	0.00000	-0.41357 1,2,6	403	-1.00000	-8.00000	99.25000
0.00000	0.00000	-0.46539 1,2,6	404	-1.00000	-7.00000	99.25000
0.00000	0.00000	-0.52192 1,2,6	405	-1.00000	-6.00000	99.25000
0.00000	0.00000	-0.58245 1,2,6	406	-1.00000	-5.00000	99.25000
0.00000	0.00000	-0.64548 1,2,6	407	-1.00000	-4.00000	99.25000
0.00000	0.00000	-0.70851 1,2,6	408	-1.00000	-3.00000	99.25000
0.00000	0.00000	-0.76806 1,2,6	409	-1.00000	-2.00000	99.25000
0.00000	0.00000	-0.82004 1,2,6	410	-1.00000	-1.00000	99.25000
0.00000	0.00000	-0.86055 1,2,6	411	-1.00000	0.00000	99.25000
0.00000	0.00000	-0.88661 1,2,6	412	-1.00000	1.00000	99.25000
0.00000	0.00000	-0.89634 1,2,6	413	-1.00000	2.00000	99.25000
0.00000	0.00000	-0.88876 1,2,6	414	-1.00000	3.00000	99.25000
0.00000	0.00000	-0.86371 1,2,6	415	-1.00000	4.00000	99.25000
0.00000	0.00000	-0.82227 1,2,6	416	-1.00000	5.00000	99.25000
0.00000	0.00000	-0.76741 1,2,6	417	-1.00000	6.00000	99.25000
0.00000	0.00000	-0.70387 1,2,6	418	-1.00000	7.00000	99.25000
0.00000	0.00000	-0.63700 1,2,6	419	-1.00000	8.00000	99.25000
			420	-1.00000	9.00000	99.25000



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Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
0.00000	0.00000	-0.57116	1,2,6			
		421	-1.00000	10.00000	99.25000	
0.00000	0.00000	-0.50909	1,2,6			
		422	-1.00000	11.00000	99.25000	
0.00000	0.00000	-0.45208	1,2,6			
		423	-1.00000	12.00000	99.25000	
0.00000	0.00000	-0.40047	1,2,6			
		424	-1.00000	13.00000	99.25000	
0.00000	0.00000	-0.35413	1,2,6			
		425	-1.00000	14.00000	99.25000	
0.00000	0.00000	-0.31268	1,2,6			
		426	-1.00000	15.00000	99.25000	
0.00000	0.00000	-0.27567	1,2,6			
		427	-1.00000	16.00000	99.25000	
0.00000	0.00000	-0.24263	1,2,6			
		428	-1.00000	17.00000	99.25000	
0.00000	0.00000	-0.21314	1,2,6			
		429	-1.00000	18.00000	99.25000	
0.00000	0.00000	-0.18680	1,2,6			
		430	-1.00000	19.00000	99.25000	
0.00000	0.00000	-0.16324	1,2,6			
		431	-1.00000	20.00000	99.25000	
0.00000	0.00000	-0.14216	1,2,6			
		432	-1.00000	21.00000	99.25000	
0.00000	0.00000	-0.12328	1,2,6			
		433	-1.00000	22.00000	99.25000	
0.00000	0.00000	-0.10636	1,2,6			
		434	-1.00000	23.00000	99.25000	
0.00000	0.00000	-0.09118	1,2,6			
		435	-1.00000	24.00000	99.25000	
0.00000	0.00000	-0.07755	1,2,6			
		436	-1.00000	25.00000	99.25000	
0.00000	0.00000	-0.06531	1,2,6			
		437	-1.00000	26.00000	99.25000	
0.00000	0.00000	-0.05432	1,2,6			
		438	-1.00000	27.00000	99.25000	
0.00000	0.00000	-0.04444	1,2,6			
		439	-1.00000	28.00000	99.25000	
0.00000	0.00000	-0.03556	1,2,6			
		440	-1.00000	29.00000	99.25000	
0.00000	0.00000	-0.02759	1,2,6			
		441	-1.00000	30.00000	99.25000	
0.00000	0.00000	-0.02042	1,2,6			
		442	0.00000	-40.00000	98.75000	
0.00000	0.00000	0.02724	1			
		443	0.00000	-39.00000	98.75000	
0.00000	0.00000	0.02586	1			
		444	0.00000	-38.00000	98.75000	
0.00000	0.00000	0.02429	1			
		445	0.00000	-37.00000	98.75000	
0.00000	0.00000	0.02249	1			
		446	0.00000	-36.00000	98.75000	
0.00000	0.00000	0.02045	1			
		447	0.00000	-35.00000	98.75000	
0.00000	0.00000	0.01814	1			
		448	0.00000	-34.00000	98.75000	
0.00000	0.00000	0.01554	1			
		449	0.00000	-33.00000	98.75000	
0.00000	0.00000	0.01262	1			
		450	0.00000	-32.00000	98.75000	
0.00000	0.00000	0.00935	1			
		451	0.00000	-31.00000	98.75000	
0.00000	0.00000	0.00569	1			
		452	0.00000	-30.00000	98.75000	
0.00000	0.00000	0.00160	1			
		453	0.00000	-29.00000	98.75000	
0.00000	0.00000	-0.00295	1			
		454	0.00000	-28.00000	98.75000	
0.00000	0.00000	-0.00802	1			
		455	0.00000	-27.00000	98.75000	
0.00000	0.00000	-0.01366	1			
		456	0.00000	-26.00000	98.75000	
0.00000	0.00000	-0.01993	1			
		457	0.00000	-25.00000	98.75000	
0.00000	0.00000	-0.02688	1			
		458	0.00000	-24.00000	98.75000	
0.00000	0.00000	-0.03460	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.04315	1	459	0.00000	-23.00000	98.75000
0.00000	0.00000	-0.05264	1	460	0.00000	-22.00000	98.75000
0.00000	0.00000	-0.06315	1	461	0.00000	-21.00000	98.75000
0.00000	0.00000	-0.07479	1	462	0.00000	-20.00000	98.75000
0.00000	0.00000	-0.08770	1	463	0.00000	-19.00000	98.75000
0.00000	0.00000	-0.10201	1	464	0.00000	-18.00000	98.75000
0.00000	0.00000	-0.11786	1	465	0.00000	-17.00000	98.75000
0.00000	0.00000	-0.13543	1	466	0.00000	-16.00000	98.75000
0.00000	0.00000	-0.15491	1	467	0.00000	-15.00000	98.75000
0.00000	0.00000	-0.17650	1	468	0.00000	-14.00000	98.75000
0.00000	0.00000	-0.20042	1	469	0.00000	-13.00000	98.75000
0.00000	0.00000	-0.22691	1	470	0.00000	-12.00000	98.75000
0.00000	0.00000	-0.25620	1	471	0.00000	-11.00000	98.75000
0.00000	0.00000	-0.28849	1	472	0.00000	-10.00000	98.75000
0.00000	0.00000	-0.32397	1	473	0.00000	-9.00000	98.75000
0.00000	0.00000	-0.36270	1	474	0.00000	-8.00000	98.75000
0.00000	0.00000	-0.40457	1	475	0.00000	-7.00000	98.75000
0.00000	0.00000	-0.44921	1	476	0.00000	-6.00000	98.75000
0.00000	0.00000	-0.49586	1	477	0.00000	-5.00000	98.75000
0.00000	0.00000	-0.54323	1	478	0.00000	-4.00000	98.75000
0.00000	0.00000	-0.58952	1	479	0.00000	-3.00000	98.75000
0.00000	0.00000	-0.63239	1	480	0.00000	-2.00000	98.75000
0.00000	0.00000	-0.66930	1	481	0.00000	-1.00000	98.75000
0.00000	0.00000	-0.69782	1	482	0.00000	0.00000	98.75000
0.00000	0.00000	-0.71597	1	483	0.00000	1.00000	98.75000
0.00000	0.00000	-0.72243	1	484	0.00000	2.00000	98.75000
0.00000	0.00000	-0.71655	1	485	0.00000	3.00000	98.75000
0.00000	0.00000	-0.69844	1	486	0.00000	4.00000	98.75000
0.00000	0.00000	-0.66906	1	487	0.00000	5.00000	98.75000
0.00000	0.00000	-0.63038	1	488	0.00000	6.00000	98.75000
0.00000	0.00000	-0.58521	1	489	0.00000	7.00000	98.75000
0.00000	0.00000	-0.53664	1	490	0.00000	8.00000	98.75000
0.00000	0.00000	-0.48743	1	491	0.00000	9.00000	98.75000
0.00000	0.00000	-0.43959	1	492	0.00000	10.00000	98.75000
0.00000	0.00000	-0.39437	1	493	0.00000	11.00000	98.75000
0.00000	0.00000	-0.35242	1	494	0.00000	12.00000	98.75000
0.00000	0.00000	-0.31394	1	495	0.00000	13.00000	98.75000
0.00000	0.00000	-0.27890	1	496	0.00000	14.00000	98.75000
				497	0.00000	15.00000	98.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-0.24715	1					
0.00000	0.00000	-0.21845	1	498	0.00000	16.00000	98.75000	
0.00000	0.00000	-0.19255	1	499	0.00000	17.00000	98.75000	
0.00000	0.00000	-0.16920	1	500	0.00000	18.00000	98.75000	
0.00000	0.00000	-0.14815	1	501	0.00000	19.00000	98.75000	
0.00000	0.00000	-0.12919	1	502	0.00000	20.00000	98.75000	
0.00000	0.00000	-0.11209	1	503	0.00000	21.00000	98.75000	
0.00000	0.00000	-0.09669	1	504	0.00000	22.00000	98.75000	
0.00000	0.00000	-0.08280	1	505	0.00000	23.00000	98.75000	
0.00000	0.00000	-0.07028	1	506	0.00000	24.00000	98.75000	
0.00000	0.00000	-0.05899	1	507	0.00000	25.00000	98.75000	
0.00000	0.00000	-0.04882	1	508	0.00000	26.00000	98.75000	
0.00000	0.00000	-0.03965	1	509	0.00000	27.00000	98.75000	
0.00000	0.00000	-0.03139	1	510	0.00000	28.00000	98.75000	
0.00000	0.00000	-0.02395	1	511	0.00000	29.00000	98.75000	
0.00000	0.00000	-0.01725	1	512	0.00000	30.00000	98.75000	
0.00000	0.00000	0.02634	1	513	-2.00000	-40.00000	98.75000	
0.00000	0.00000	0.02480	1	514	-2.00000	-39.00000	98.75000	
0.00000	0.00000	0.02305	1	515	-2.00000	-38.00000	98.75000	
0.00000	0.00000	0.02104	1	516	-2.00000	-37.00000	98.75000	
0.00000	0.00000	0.01877	1	517	-2.00000	-36.00000	98.75000	
0.00000	0.00000	0.01620	1	518	-2.00000	-35.00000	98.75000	
0.00000	0.00000	0.01330	1	519	-2.00000	-34.00000	98.75000	
0.00000	0.00000	0.01003	1	520	-2.00000	-33.00000	98.75000	
0.00000	0.00000	0.00637	1	521	-2.00000	-32.00000	98.75000	
0.00000	0.00000	0.00227	1	522	-2.00000	-31.00000	98.75000	
0.00000	0.00000	-0.00232	1	523	-2.00000	-30.00000	98.75000	
0.00000	0.00000	-0.00745	1	524	-2.00000	-29.00000	98.75000	
0.00000	0.00000	-0.01318	1	525	-2.00000	-28.00000	98.75000	
0.00000	0.00000	-0.01956	1	526	-2.00000	-27.00000	98.75000	
0.00000	0.00000	-0.02669	1	527	-2.00000	-26.00000	98.75000	
0.00000	0.00000	-0.03463	1	528	-2.00000	-25.00000	98.75000	
0.00000	0.00000	-0.04347	1	529	-2.00000	-24.00000	98.75000	
0.00000	0.00000	-0.05333	1	530	-2.00000	-23.00000	98.75000	
0.00000	0.00000	-0.06433	1	531	-2.00000	-22.00000	98.75000	
0.00000	0.00000	-0.07658	1	532	-2.00000	-21.00000	98.75000	
0.00000	0.00000	-0.09026	1	533	-2.00000	-20.00000	98.75000	
0.00000	0.00000	-0.10553	1	534	-2.00000	-19.00000	98.75000	
0.00000	0.00000	-0.12261	1	535	-2.00000	-18.00000	98.75000	



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Drg. Ref.		
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Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.14173	1	536	-2.00000	-17.00000	98.75000
0.00000	0.00000	-0.16315	1	537	-2.00000	-16.00000	98.75000
0.00000	0.00000	-0.18721	1	538	-2.00000	-15.00000	98.75000
0.00000	0.00000	-0.21427	1	539	-2.00000	-14.00000	98.75000
0.00000	0.00000	-0.24477	1	540	-2.00000	-13.00000	98.75000
0.00000	0.00000	-0.27922	1	541	-2.00000	-12.00000	98.75000
0.00000	0.00000	-0.31820	1	542	-2.00000	-11.00000	98.75000
0.00000	0.00000	-0.36238	1	543	-2.00000	-10.00000	98.75000
0.00000	0.00000	-0.41252	1	544	-2.00000	-9.00000	98.75000
0.00000	0.00000	-0.46935	1	545	-2.00000	-8.00000	98.75000
0.00000	0.00000	-0.53357	1	546	-2.00000	-7.00000	98.75000
0.00000	0.00000	-0.60555	1	547	-2.00000	-6.00000	98.75000
0.00000	0.00000	-0.68500	1	548	-2.00000	-5.00000	98.75000
0.00000	0.00000	-0.77044	1	549	-2.00000	-4.00000	98.75000
0.00000	0.00000	-0.85860	1	550	-2.00000	-3.00000	98.75000
0.00000	0.00000	-0.94407	1	551	-2.00000	-2.00000	98.75000
0.00000	0.00000	-1.01982	1	552	-2.00000	-1.00000	98.75000
0.00000	0.00000	-1.07910	1	553	-2.00000	0.00000	98.75000
0.00000	0.00000	-1.11740	1	554	-2.00000	1.00000	98.75000
0.00000	0.00000	-1.13250	1	555	-2.00000	2.00000	98.75000
0.00000	0.00000	-1.12317	1	556	-2.00000	3.00000	98.75000
0.00000	0.00000	-1.08835	1	557	-2.00000	4.00000	98.75000
0.00000	0.00000	-1.02831	1	558	-2.00000	5.00000	98.75000
0.00000	0.00000	-0.94722	1	559	-2.00000	6.00000	98.75000
0.00000	0.00000	-0.85398	1	560	-2.00000	7.00000	98.75000
0.00000	0.00000	-0.75884	1	561	-2.00000	8.00000	98.75000
0.00000	0.00000	-0.66905	1	562	-2.00000	9.00000	98.75000
0.00000	0.00000	-0.58783	1	563	-2.00000	10.00000	98.75000
0.00000	0.00000	-0.51584	1	564	-2.00000	11.00000	98.75000
0.00000	0.00000	-0.45253	1	565	-2.00000	12.00000	98.75000
0.00000	0.00000	-0.39699	1	566	-2.00000	13.00000	98.75000
0.00000	0.00000	-0.34824	1	567	-2.00000	14.00000	98.75000
0.00000	0.00000	-0.30537	1	568	-2.00000	15.00000	98.75000
0.00000	0.00000	-0.26760	1	569	-2.00000	16.00000	98.75000
0.00000	0.00000	-0.23424	1	570	-2.00000	17.00000	98.75000
0.00000	0.00000	-0.20471	1	571	-2.00000	18.00000	98.75000
0.00000	0.00000	-0.17851	1	572	-2.00000	19.00000	98.75000
0.00000	0.00000	-0.15522	1	573	-2.00000	20.00000	98.75000
				574	-2.00000	21.00000	98.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.13449	1	575	-2.00000	22.00000	98.75000
0.00000	0.00000	-0.11600	1	576	-2.00000	23.00000	98.75000
0.00000	0.00000	-0.09949	1	577	-2.00000	24.00000	98.75000
0.00000	0.00000	-0.08474	1	578	-2.00000	25.00000	98.75000
0.00000	0.00000	-0.07154	1	579	-2.00000	26.00000	98.75000
0.00000	0.00000	-0.05972	1	580	-2.00000	27.00000	98.75000
0.00000	0.00000	-0.04913	1	581	-2.00000	28.00000	98.75000
0.00000	0.00000	-0.03964	1	582	-2.00000	29.00000	98.75000
0.00000	0.00000	-0.03113	1	583	-2.00000	30.00000	98.75000
0.00000	0.00000	-0.02351	1	584	-40.00000	-40.00000	99.75000
0.00000	0.00000	0.02932	1	585	-39.00000	-40.00000	99.75000
0.00000	0.00000	0.02891	1	586	-38.00000	-40.00000	99.75000
0.00000	0.00000	0.02849	1	587	-37.00000	-40.00000	99.75000
0.00000	0.00000	0.02806	1	588	-36.00000	-40.00000	99.75000
0.00000	0.00000	0.02762	1	589	-35.00000	-40.00000	99.75000
0.00000	0.00000	0.02718	1	590	-34.00000	-40.00000	99.75000
0.00000	0.00000	0.02673	1	591	-33.00000	-40.00000	99.75000
0.00000	0.00000	0.02629	1	592	-32.00000	-40.00000	99.75000
0.00000	0.00000	0.02585	1	593	-31.00000	-40.00000	99.75000
0.00000	0.00000	0.02542	1	594	-30.00000	-40.00000	99.75000
0.00000	0.00000	0.02501	1	595	-29.00000	-40.00000	99.75000
0.00000	0.00000	0.02460	1	596	-28.00000	-40.00000	99.75000
0.00000	0.00000	0.02422	1	597	-27.00000	-40.00000	99.75000
0.00000	0.00000	0.02386	1	598	-26.00000	-40.00000	99.75000
0.00000	0.00000	0.02353	1	599	-25.00000	-40.00000	99.75000
0.00000	0.00000	0.02323	1	600	-24.00000	-40.00000	99.75000
0.00000	0.00000	0.02296	1	601	-23.00000	-40.00000	99.75000
0.00000	0.00000	0.02272	1	602	-22.00000	-40.00000	99.75000
0.00000	0.00000	0.02251	1	603	-21.00000	-40.00000	99.75000
0.00000	0.00000	0.02235	1	604	-20.00000	-40.00000	99.75000
0.00000	0.00000	0.02223	1	605	-19.00000	-40.00000	99.75000
0.00000	0.00000	0.02214	1	606	-18.00000	-40.00000	99.75000
0.00000	0.00000	0.02210	1	607	-17.00000	-40.00000	99.75000
0.00000	0.00000	0.02210	1	608	-16.00000	-40.00000	99.75000
0.00000	0.00000	0.02214	1	609	-15.00000	-40.00000	99.75000
0.00000	0.00000	0.02223	1	610	-14.00000	-40.00000	99.75000
0.00000	0.00000	0.02235	1	611	-13.00000	-40.00000	99.75000
0.00000	0.00000	0.02252	1	612	-12.00000	-40.00000	99.75000
0.00000	0.00000	0.02272	1				



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Ground Movement Assessment
Stage 2 - Bulk Excavation

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Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.02296	1	613	-11.00000	-40.00000	99.75000
0.00000	0.00000	0.02324	1	614	-10.00000	-40.00000	99.75000
0.00000	0.00000	0.02354	1	615	-9.00000	-40.00000	99.75000
0.00000	0.00000	0.02388	1	616	-8.00000	-40.00000	99.75000
0.00000	0.00000	0.02424	1	617	-7.00000	-40.00000	99.75000
0.00000	0.00000	0.02463	1	618	-6.00000	-40.00000	99.75000
0.00000	0.00000	0.02503	1	619	-5.00000	-40.00000	99.75000
0.00000	0.00000	0.02545	1	620	-4.00000	-40.00000	99.75000
0.00000	0.00000	0.02588	1	621	-3.00000	-40.00000	99.75000
0.00000	0.00000	0.02633	1	622	-2.00000	-40.00000	99.75000
0.00000	0.00000	0.02678	1	623	-1.00000	-40.00000	99.75000
0.00000	0.00000	0.02723	1	624	0.00000	-40.00000	99.75000
0.00000	0.00000	0.02768	1	625	1.00000	-40.00000	99.75000
0.00000	0.00000	0.02812	1	626	2.00000	-40.00000	99.75000
0.00000	0.00000	0.02856	1	627	3.00000	-40.00000	99.75000
0.00000	0.00000	0.02899	1	628	4.00000	-40.00000	99.75000
0.00000	0.00000	0.02940	1	629	5.00000	-40.00000	99.75000
0.00000	0.00000	0.02835	1	630	-40.00000	-39.00000	99.75000
0.00000	0.00000	0.02787	1	631	-39.00000	-39.00000	99.75000
0.00000	0.00000	0.02736	1	632	-38.00000	-39.00000	99.75000
0.00000	0.00000	0.02685	1	633	-37.00000	-39.00000	99.75000
0.00000	0.00000	0.02633	1	634	-36.00000	-39.00000	99.75000
0.00000	0.00000	0.02581	1	635	-35.00000	-39.00000	99.75000
0.00000	0.00000	0.02528	1	636	-34.00000	-39.00000	99.75000
0.00000	0.00000	0.02476	1	637	-33.00000	-39.00000	99.75000
0.00000	0.00000	0.02424	1	638	-32.00000	-39.00000	99.75000
0.00000	0.00000	0.02374	1	639	-31.00000	-39.00000	99.75000
0.00000	0.00000	0.02325	1	640	-30.00000	-39.00000	99.75000
0.00000	0.00000	0.02278	1	641	-29.00000	-39.00000	99.75000
0.00000	0.00000	0.02233	1	642	-28.00000	-39.00000	99.75000
0.00000	0.00000	0.02191	1	643	-27.00000	-39.00000	99.75000
0.00000	0.00000	0.02151	1	644	-26.00000	-39.00000	99.75000
0.00000	0.00000	0.02116	1	645	-25.00000	-39.00000	99.75000
0.00000	0.00000	0.02084	1	646	-24.00000	-39.00000	99.75000
0.00000	0.00000	0.02056	1	647	-23.00000	-39.00000	99.75000
0.00000	0.00000	0.02032	1	648	-22.00000	-39.00000	99.75000
0.00000	0.00000	0.02013	1	649	-21.00000	-39.00000	99.75000
0.00000	0.00000	0.01998	1	650	-20.00000	-39.00000	99.75000
				651	-19.00000	-39.00000	99.75000



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Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	0.01988	1	652	-18.00000	-39.00000	99.75000
0.00000	0.00000	0.01983	1	653	-17.00000	-39.00000	99.75000
0.00000	0.00000	0.01983	1	654	-16.00000	-39.00000	99.75000
0.00000	0.00000	0.01988	1	655	-15.00000	-39.00000	99.75000
0.00000	0.00000	0.01998	1	656	-14.00000	-39.00000	99.75000
0.00000	0.00000	0.02013	1	657	-13.00000	-39.00000	99.75000
0.00000	0.00000	0.02032	1	658	-12.00000	-39.00000	99.75000
0.00000	0.00000	0.02056	1	659	-11.00000	-39.00000	99.75000
0.00000	0.00000	0.02084	1	660	-10.00000	-39.00000	99.75000
0.00000	0.00000	0.02116	1	661	-9.00000	-39.00000	99.75000
0.00000	0.00000	0.02152	1	662	-8.00000	-39.00000	99.75000
0.00000	0.00000	0.02191	1	663	-7.00000	-39.00000	99.75000
0.00000	0.00000	0.02234	1	664	-6.00000	-39.00000	99.75000
0.00000	0.00000	0.02279	1	665	-5.00000	-39.00000	99.75000
0.00000	0.00000	0.02327	1	666	-4.00000	-39.00000	99.75000
0.00000	0.00000	0.02376	1	667	-3.00000	-39.00000	99.75000
0.00000	0.00000	0.02427	1	668	-2.00000	-39.00000	99.75000
0.00000	0.00000	0.02479	1	669	-1.00000	-39.00000	99.75000
0.00000	0.00000	0.02532	1	670	0.00000	-39.00000	99.75000
0.00000	0.00000	0.02585	1	671	1.00000	-39.00000	99.75000
0.00000	0.00000	0.02638	1	672	2.00000	-39.00000	99.75000
0.00000	0.00000	0.02691	1	673	3.00000	-39.00000	99.75000
0.00000	0.00000	0.02742	1	674	4.00000	-39.00000	99.75000
0.00000	0.00000	0.02793	1	675	5.00000	-39.00000	99.75000
0.00000	0.00000	0.02842	1	676	-40.00000	-38.00000	99.75000
0.00000	0.00000	0.02723	1	677	-39.00000	-38.00000	99.75000
0.00000	0.00000	0.02666	1	678	-38.00000	-38.00000	99.75000
0.00000	0.00000	0.02607	1	679	-37.00000	-38.00000	99.75000
0.00000	0.00000	0.02547	1	680	-36.00000	-38.00000	99.75000
0.00000	0.00000	0.02485	1	681	-35.00000	-38.00000	99.75000
0.00000	0.00000	0.02424	1	682	-34.00000	-38.00000	99.75000
0.00000	0.00000	0.02362	1	683	-33.00000	-38.00000	99.75000
0.00000	0.00000	0.02301	1	684	-32.00000	-38.00000	99.75000
0.00000	0.00000	0.02240	1	685	-31.00000	-38.00000	99.75000
0.00000	0.00000	0.02181	1	686	-30.00000	-38.00000	99.75000
0.00000	0.00000	0.02123	1	687	-29.00000	-38.00000	99.75000
0.00000	0.00000	0.02068	1	688	-28.00000	-38.00000	99.75000
0.00000	0.00000	0.02016	1	689	-27.00000	-38.00000	99.75000
0.00000	0.00000	0.01967	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.01921	1	690	-26.00000	-38.00000	99.75000
0.00000	0.00000	0.01879	1	691	-25.00000	-38.00000	99.75000
0.00000	0.00000	0.01842	1	692	-24.00000	-38.00000	99.75000
0.00000	0.00000	0.01809	1	693	-23.00000	-38.00000	99.75000
0.00000	0.00000	0.01781	1	694	-22.00000	-38.00000	99.75000
0.00000	0.00000	0.01758	1	695	-21.00000	-38.00000	99.75000
0.00000	0.00000	0.01741	1	696	-20.00000	-38.00000	99.75000
0.00000	0.00000	0.01730	1	697	-19.00000	-38.00000	99.75000
0.00000	0.00000	0.01730	1	698	-18.00000	-38.00000	99.75000
0.00000	0.00000	0.01724	1	699	-17.00000	-38.00000	99.75000
0.00000	0.00000	0.01724	1	700	-16.00000	-38.00000	99.75000
0.00000	0.00000	0.01730	1	701	-15.00000	-38.00000	99.75000
0.00000	0.00000	0.01741	1	702	-14.00000	-38.00000	99.75000
0.00000	0.00000	0.01758	1	703	-13.00000	-38.00000	99.75000
0.00000	0.00000	0.01781	1	704	-12.00000	-38.00000	99.75000
0.00000	0.00000	0.01808	1	705	-11.00000	-38.00000	99.75000
0.00000	0.00000	0.01841	1	706	-10.00000	-38.00000	99.75000
0.00000	0.00000	0.01879	1	707	-9.00000	-38.00000	99.75000
0.00000	0.00000	0.01921	1	708	-8.00000	-38.00000	99.75000
0.00000	0.00000	0.01967	1	709	-7.00000	-38.00000	99.75000
0.00000	0.00000	0.02016	1	710	-6.00000	-38.00000	99.75000
0.00000	0.00000	0.02069	1	711	-5.00000	-38.00000	99.75000
0.00000	0.00000	0.02125	1	712	-4.00000	-38.00000	99.75000
0.00000	0.00000	0.02182	1	713	-3.00000	-38.00000	99.75000
0.00000	0.00000	0.02242	1	714	-2.00000	-38.00000	99.75000
0.00000	0.00000	0.02303	1	715	-1.00000	-38.00000	99.75000
0.00000	0.00000	0.02365	1	716	0.00000	-38.00000	99.75000
0.00000	0.00000	0.02427	1	717	1.00000	-38.00000	99.75000
0.00000	0.00000	0.02489	1	718	2.00000	-38.00000	99.75000
0.00000	0.00000	0.02551	1	719	3.00000	-38.00000	99.75000
0.00000	0.00000	0.02612	1	720	4.00000	-38.00000	99.75000
0.00000	0.00000	0.02672	1	721	5.00000	-38.00000	99.75000
0.00000	0.00000	0.02730	1	722	-40.00000	-37.00000	99.75000
0.00000	0.00000	0.02596	1	723	-39.00000	-37.00000	99.75000
0.00000	0.00000	0.02528	1	724	-38.00000	-37.00000	99.75000
0.00000	0.00000	0.02459	1	725	-37.00000	-37.00000	99.75000
0.00000	0.00000	0.02388	1	726	-36.00000	-37.00000	99.75000
0.00000	0.00000	0.02317	1	727	-35.00000	-37.00000	99.75000
0.00000	0.00000	0.02245	1	728	-34.00000	-37.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	0.02173	1	729	-33.00000	-37.00000	99.75000
0.00000	0.00000	0.02101	1	730	-32.00000	-37.00000	99.75000
0.00000	0.00000	0.02030	1	731	-31.00000	-37.00000	99.75000
0.00000	0.00000	0.01961	1	732	-30.00000	-37.00000	99.75000
0.00000	0.00000	0.01894	1	733	-29.00000	-37.00000	99.75000
0.00000	0.00000	0.01830	1	734	-28.00000	-37.00000	99.75000
0.00000	0.00000	0.01769	1	735	-27.00000	-37.00000	99.75000
0.00000	0.00000	0.01711	1	736	-26.00000	-37.00000	99.75000
0.00000	0.00000	0.01658	1	737	-25.00000	-37.00000	99.75000
0.00000	0.00000	0.01609	1	738	-24.00000	-37.00000	99.75000
0.00000	0.00000	0.01566	1	739	-23.00000	-37.00000	99.75000
0.00000	0.00000	0.01527	1	740	-22.00000	-37.00000	99.75000
0.00000	0.00000	0.01495	1	741	-21.00000	-37.00000	99.75000
0.00000	0.00000	0.01469	1	742	-20.00000	-37.00000	99.75000
0.00000	0.00000	0.01449	1	743	-19.00000	-37.00000	99.75000
0.00000	0.00000	0.01435	1	744	-18.00000	-37.00000	99.75000
0.00000	0.00000	0.01428	1	745	-17.00000	-37.00000	99.75000
0.00000	0.00000	0.01428	1	746	-16.00000	-37.00000	99.75000
0.00000	0.00000	0.01435	1	747	-15.00000	-37.00000	99.75000
0.00000	0.00000	0.01448	1	748	-14.00000	-37.00000	99.75000
0.00000	0.00000	0.01468	1	749	-13.00000	-37.00000	99.75000
0.00000	0.00000	0.01494	1	750	-12.00000	-37.00000	99.75000
0.00000	0.00000	0.01527	1	751	-11.00000	-37.00000	99.75000
0.00000	0.00000	0.01565	1	752	-10.00000	-37.00000	99.75000
0.00000	0.00000	0.01609	1	753	-9.00000	-37.00000	99.75000
0.00000	0.00000	0.01657	1	754	-8.00000	-37.00000	99.75000
0.00000	0.00000	0.01711	1	755	-7.00000	-37.00000	99.75000
0.00000	0.00000	0.01769	1	756	-6.00000	-37.00000	99.75000
0.00000	0.00000	0.01830	1	757	-5.00000	-37.00000	99.75000
0.00000	0.00000	0.01895	1	758	-4.00000	-37.00000	99.75000
0.00000	0.00000	0.01962	1	759	-3.00000	-37.00000	99.75000
0.00000	0.00000	0.02031	1	760	-2.00000	-37.00000	99.75000
0.00000	0.00000	0.02103	1	761	-1.00000	-37.00000	99.75000
0.00000	0.00000	0.02175	1	762	0.00000	-37.00000	99.75000
0.00000	0.00000	0.02247	1	763	1.00000	-37.00000	99.75000
0.00000	0.00000	0.02320	1	764	2.00000	-37.00000	99.75000
0.00000	0.00000	0.02392	1	765	3.00000	-37.00000	99.75000
0.00000	0.00000	0.02463	1	766	4.00000	-37.00000	99.75000
0.00000	0.00000	0.02533	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.02601	1	767	5.00000	-37.00000	99.75000
0.00000	0.00000	0.02450	1	768	-40.00000	-36.00000	99.75000
0.00000	0.00000	0.02372	1	769	-39.00000	-36.00000	99.75000
0.00000	0.00000	0.02291	1	770	-38.00000	-36.00000	99.75000
0.00000	0.00000	0.02209	1	771	-37.00000	-36.00000	99.75000
0.00000	0.00000	0.02125	1	772	-36.00000	-36.00000	99.75000
0.00000	0.00000	0.02042	1	773	-35.00000	-36.00000	99.75000
0.00000	0.00000	0.01958	1	774	-34.00000	-36.00000	99.75000
0.00000	0.00000	0.01874	1	775	-33.00000	-36.00000	99.75000
0.00000	0.00000	0.01792	1	776	-32.00000	-36.00000	99.75000
0.00000	0.00000	0.01712	1	777	-31.00000	-36.00000	99.75000
0.00000	0.00000	0.01634	1	778	-30.00000	-36.00000	99.75000
0.00000	0.00000	0.01560	1	779	-29.00000	-36.00000	99.75000
0.00000	0.00000	0.01489	1	780	-28.00000	-36.00000	99.75000
0.00000	0.00000	0.01422	1	781	-27.00000	-36.00000	99.75000
0.00000	0.00000	0.01360	1	782	-26.00000	-36.00000	99.75000
0.00000	0.00000	0.01303	1	783	-25.00000	-36.00000	99.75000
0.00000	0.00000	0.01252	1	784	-24.00000	-36.00000	99.75000
0.00000	0.00000	0.01208	1	785	-23.00000	-36.00000	99.75000
0.00000	0.00000	0.01170	1	786	-22.00000	-36.00000	99.75000
0.00000	0.00000	0.01140	1	787	-21.00000	-36.00000	99.75000
0.00000	0.00000	0.01116	1	788	-20.00000	-36.00000	99.75000
0.00000	0.00000	0.01101	1	789	-19.00000	-36.00000	99.75000
0.00000	0.00000	0.01093	1	790	-18.00000	-36.00000	99.75000
0.00000	0.00000	0.01092	1	791	-17.00000	-36.00000	99.75000
0.00000	0.00000	0.01100	1	792	-16.00000	-36.00000	99.75000
0.00000	0.00000	0.01116	1	793	-15.00000	-36.00000	99.75000
0.00000	0.00000	0.01139	1	794	-14.00000	-36.00000	99.75000
0.00000	0.00000	0.01169	1	795	-13.00000	-36.00000	99.75000
0.00000	0.00000	0.01207	1	796	-12.00000	-36.00000	99.75000
0.00000	0.00000	0.01251	1	797	-11.00000	-36.00000	99.75000
0.00000	0.00000	0.01302	1	798	-10.00000	-36.00000	99.75000
0.00000	0.00000	0.01358	1	799	-9.00000	-36.00000	99.75000
0.00000	0.00000	0.01420	1	800	-8.00000	-36.00000	99.75000
0.00000	0.00000	0.01487	1	801	-7.00000	-36.00000	99.75000
0.00000	0.00000	0.01559	1	802	-6.00000	-36.00000	99.75000
0.00000	0.00000	0.01634	1	803	-5.00000	-36.00000	99.75000
0.00000	0.00000	0.01712	1	804	-4.00000	-36.00000	99.75000
0.00000	0.00000		1	805	-3.00000	-36.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	0.01793	1				
0.00000	0.00000	0.01875	1	806	-2.00000	-36.00000	99.75000
0.00000	0.00000	0.01959	1	807	-1.00000	-36.00000	99.75000
0.00000	0.00000	0.02043	1	808	0.00000	-36.00000	99.75000
0.00000	0.00000	0.02128	1	809	1.00000	-36.00000	99.75000
0.00000	0.00000	0.02212	1	810	2.00000	-36.00000	99.75000
0.00000	0.00000	0.02295	1	811	3.00000	-36.00000	99.75000
0.00000	0.00000	0.02376	1	812	4.00000	-36.00000	99.75000
0.00000	0.00000	0.02455	1	813	5.00000	-36.00000	99.75000
0.00000	0.00000	0.02286	1	814	-40.00000	-35.00000	99.75000
0.00000	0.00000	0.02195	1	815	-39.00000	-35.00000	99.75000
0.00000	0.00000	0.02101	1	816	-38.00000	-35.00000	99.75000
0.00000	0.00000	0.02006	1	817	-37.00000	-35.00000	99.75000
0.00000	0.00000	0.01909	1	818	-36.00000	-35.00000	99.75000
0.00000	0.00000	0.01812	1	819	-35.00000	-35.00000	99.75000
0.00000	0.00000	0.01715	1	820	-34.00000	-35.00000	99.75000
0.00000	0.00000	0.01618	1	821	-33.00000	-35.00000	99.75000
0.00000	0.00000	0.01523	1	822	-32.00000	-35.00000	99.75000
0.00000	0.00000	0.01430	1	823	-31.00000	-35.00000	99.75000
0.00000	0.00000	0.01340	1	824	-30.00000	-35.00000	99.75000
0.00000	0.00000	0.01254	1	825	-29.00000	-35.00000	99.75000
0.00000	0.00000	0.01171	1	826	-28.00000	-35.00000	99.75000
0.00000	0.00000	0.01094	1	827	-27.00000	-35.00000	99.75000
0.00000	0.00000	0.01022	1	828	-26.00000	-35.00000	99.75000
0.00000	0.00000	0.00956	1	829	-25.00000	-35.00000	99.75000
0.00000	0.00000	0.00897	1	830	-24.00000	-35.00000	99.75000
0.00000	0.00000	0.00846	1	831	-23.00000	-35.00000	99.75000
0.00000	0.00000	0.00802	1	832	-22.00000	-35.00000	99.75000
0.00000	0.00000	0.00766	1	833	-21.00000	-35.00000	99.75000
0.00000	0.00000	0.00739	1	834	-20.00000	-35.00000	99.75000
0.00000	0.00000	0.00721	1	835	-19.00000	-35.00000	99.75000
0.00000	0.00000	0.00712	1	836	-18.00000	-35.00000	99.75000
0.00000	0.00000	0.00712	1	837	-17.00000	-35.00000	99.75000
0.00000	0.00000	0.00720	1	838	-16.00000	-35.00000	99.75000
0.00000	0.00000	0.00738	1	839	-15.00000	-35.00000	99.75000
0.00000	0.00000	0.00765	1	840	-14.00000	-35.00000	99.75000
0.00000	0.00000	0.00800	1	841	-13.00000	-35.00000	99.75000
0.00000	0.00000	0.00844	1	842	-12.00000	-35.00000	99.75000
0.00000	0.00000	0.00895	1	843	-11.00000	-35.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.00954	1	844	-10.00000	-35.00000	99.75000
0.00000	0.00000	0.01019	1	845	-9.00000	-35.00000	99.75000
0.00000	0.00000	0.01091	1	846	-8.00000	-35.00000	99.75000
0.00000	0.00000	0.01169	1	847	-7.00000	-35.00000	99.75000
0.00000	0.00000	0.01251	1	848	-6.00000	-35.00000	99.75000
0.00000	0.00000	0.01338	1	849	-5.00000	-35.00000	99.75000
0.00000	0.00000	0.01429	1	850	-4.00000	-35.00000	99.75000
0.00000	0.00000	0.01522	1	851	-3.00000	-35.00000	99.75000
0.00000	0.00000	0.01618	1	852	-2.00000	-35.00000	99.75000
0.00000	0.00000	0.01715	1	853	-1.00000	-35.00000	99.75000
0.00000	0.00000	0.01813	1	854	0.00000	-35.00000	99.75000
0.00000	0.00000	0.01910	1	855	1.00000	-35.00000	99.75000
0.00000	0.00000	0.02008	1	856	2.00000	-35.00000	99.75000
0.00000	0.00000	0.02104	1	857	3.00000	-35.00000	99.75000
0.00000	0.00000	0.02198	1	858	4.00000	-35.00000	99.75000
0.00000	0.00000	0.02290	1	859	5.00000	-35.00000	99.75000
0.00000	0.00000	0.02101	1	860	-40.00000	-34.00000	99.75000
0.00000	0.00000	0.01995	1	861	-39.00000	-34.00000	99.75000
0.00000	0.00000	0.01887	1	862	-38.00000	-34.00000	99.75000
0.00000	0.00000	0.01777	1	863	-37.00000	-34.00000	99.75000
0.00000	0.00000	0.01665	1	864	-36.00000	-34.00000	99.75000
0.00000	0.00000	0.01553	1	865	-35.00000	-34.00000	99.75000
0.00000	0.00000	0.01441	1	866	-34.00000	-34.00000	99.75000
0.00000	0.00000	0.01330	1	867	-33.00000	-34.00000	99.75000
0.00000	0.00000	0.01220	1	868	-32.00000	-34.00000	99.75000
0.00000	0.00000	0.01112	1	869	-31.00000	-34.00000	99.75000
0.00000	0.00000	0.01008	1	870	-30.00000	-34.00000	99.75000
0.00000	0.00000	0.00908	1	871	-29.00000	-34.00000	99.75000
0.00000	0.00000	0.00812	1	872	-28.00000	-34.00000	99.75000
0.00000	0.00000	0.00723	1	873	-27.00000	-34.00000	99.75000
0.00000	0.00000	0.00640	1	874	-26.00000	-34.00000	99.75000
0.00000	0.00000	0.00564	1	875	-25.00000	-34.00000	99.75000
0.00000	0.00000	0.00495	1	876	-24.00000	-34.00000	99.75000
0.00000	0.00000	0.00436	1	877	-23.00000	-34.00000	99.75000
0.00000	0.00000	0.00385	1	878	-22.00000	-34.00000	99.75000
0.00000	0.00000	0.00344	1	879	-21.00000	-34.00000	99.75000
0.00000	0.00000	0.00312	1	880	-20.00000	-34.00000	99.75000
0.00000	0.00000	0.00291	1	881	-19.00000	-34.00000	99.75000
				882	-18.00000	-34.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	0.00280	1	883	-17.00000	-34.00000	99.75000
0.00000	0.00000	0.00280	1	884	-16.00000	-34.00000	99.75000
0.00000	0.00000	0.00290	1	885	-15.00000	-34.00000	99.75000
0.00000	0.00000	0.00311	1	886	-14.00000	-34.00000	99.75000
0.00000	0.00000	0.00342	1	887	-13.00000	-34.00000	99.75000
0.00000	0.00000	0.00382	1	888	-12.00000	-34.00000	99.75000
0.00000	0.00000	0.00433	1	889	-11.00000	-34.00000	99.75000
0.00000	0.00000	0.00492	1	890	-10.00000	-34.00000	99.75000
0.00000	0.00000	0.00560	1	891	-9.00000	-34.00000	99.75000
0.00000	0.00000	0.00636	1	892	-8.00000	-34.00000	99.75000
0.00000	0.00000	0.00719	1	893	-7.00000	-34.00000	99.75000
0.00000	0.00000	0.00809	1	894	-6.00000	-34.00000	99.75000
0.00000	0.00000	0.00904	1	895	-5.00000	-34.00000	99.75000
0.00000	0.00000	0.01005	1	896	-4.00000	-34.00000	99.75000
0.00000	0.00000	0.01109	1	897	-3.00000	-34.00000	99.75000
0.00000	0.00000	0.01217	1	898	-2.00000	-34.00000	99.75000
0.00000	0.00000	0.01328	1	899	-1.00000	-34.00000	99.75000
0.00000	0.00000	0.01440	1	900	0.00000	-34.00000	99.75000
0.00000	0.00000	0.01553	1	901	1.00000	-34.00000	99.75000
0.00000	0.00000	0.01665	1	902	2.00000	-34.00000	99.75000
0.00000	0.00000	0.01778	1	903	3.00000	-34.00000	99.75000
0.00000	0.00000	0.01889	1	904	4.00000	-34.00000	99.75000
0.00000	0.00000	0.01997	1	905	5.00000	-34.00000	99.75000
0.00000	0.00000	0.02104	1	906	-40.00000	-33.00000	99.75000
0.00000	0.00000	0.01893	1	907	-39.00000	-33.00000	99.75000
0.00000	0.00000	0.01772	1	908	-38.00000	-33.00000	99.75000
0.00000	0.00000	0.01647	1	909	-37.00000	-33.00000	99.75000
0.00000	0.00000	0.01520	1	910	-36.00000	-33.00000	99.75000
0.00000	0.00000	0.01392	1	911	-35.00000	-33.00000	99.75000
0.00000	0.00000	0.01262	1	912	-34.00000	-33.00000	99.75000
0.00000	0.00000	0.01133	1	913	-33.00000	-33.00000	99.75000
0.00000	0.00000	0.01005	1	914	-32.00000	-33.00000	99.75000
0.00000	0.00000	0.00878	1	915	-31.00000	-33.00000	99.75000
0.00000	0.00000	0.00754	1	916	-30.00000	-33.00000	99.75000
0.00000	0.00000	0.00634	1	917	-29.00000	-33.00000	99.75000
0.00000	0.00000	0.00518	1	918	-28.00000	-33.00000	99.75000
0.00000	0.00000	0.00408	1	919	-27.00000	-33.00000	99.75000
0.00000	0.00000	0.00304	1	920	-26.00000	-33.00000	99.75000
0.00000	0.00000	0.00208	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.00120	1	921	-25.00000	-33.00000	99.75000
0.00000	0.00000	0.00041	1	922	-24.00000	-33.00000	99.75000
0.00000	0.00000	-0.00028	1	923	-23.00000	-33.00000	99.75000
0.00000	0.00000	-0.00086	1	924	-22.00000	-33.00000	99.75000
0.00000	0.00000	-0.00134	1	925	-21.00000	-33.00000	99.75000
0.00000	0.00000	-0.00170	1	926	-20.00000	-33.00000	99.75000
0.00000	0.00000	-0.00195	1	927	-19.00000	-33.00000	99.75000
0.00000	0.00000	-0.00207	1	928	-18.00000	-33.00000	99.75000
0.00000	0.00000	-0.00208	1	929	-17.00000	-33.00000	99.75000
0.00000	0.00000	-0.00196	1	930	-16.00000	-33.00000	99.75000
0.00000	0.00000	-0.00172	1	931	-15.00000	-33.00000	99.75000
0.00000	0.00000	-0.00137	1	932	-14.00000	-33.00000	99.75000
0.00000	0.00000	-0.00090	1	933	-13.00000	-33.00000	99.75000
0.00000	0.00000	-0.00031	1	934	-12.00000	-33.00000	99.75000
0.00000	0.00000	0.00037	1	935	-11.00000	-33.00000	99.75000
0.00000	0.00000	0.00116	1	936	-10.00000	-33.00000	99.75000
0.00000	0.00000	0.00203	1	937	-9.00000	-33.00000	99.75000
0.00000	0.00000	0.00299	1	938	-8.00000	-33.00000	99.75000
0.00000	0.00000	0.00403	1	939	-7.00000	-33.00000	99.75000
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0.00000	0.00000	0.00629	1	941	-5.00000	-33.00000	99.75000
0.00000	0.00000	0.00750	1	942	-4.00000	-33.00000	99.75000
0.00000	0.00000	0.00874	1	943	-3.00000	-33.00000	99.75000
0.00000	0.00000	0.01001	1	944	-2.00000	-33.00000	99.75000
0.00000	0.00000	0.01130	1	945	-1.00000	-33.00000	99.75000
0.00000	0.00000	0.01260	1	946	0.00000	-33.00000	99.75000
0.00000	0.00000	0.01390	1	947	1.00000	-33.00000	99.75000
0.00000	0.00000	0.01520	1	948	2.00000	-33.00000	99.75000
0.00000	0.00000	0.01647	1	949	3.00000	-33.00000	99.75000
0.00000	0.00000	0.01773	1	950	4.00000	-33.00000	99.75000
0.00000	0.00000	0.01895	1	951	5.00000	-33.00000	99.75000
0.00000	0.00000	0.01661	1	952	-40.00000	-32.00000	99.75000
0.00000	0.00000	0.01522	1	953	-39.00000	-32.00000	99.75000
0.00000	0.00000	0.01379	1	954	-38.00000	-32.00000	99.75000
0.00000	0.00000	0.01233	1	955	-37.00000	-32.00000	99.75000
0.00000	0.00000	0.01085	1	956	-36.00000	-32.00000	99.75000
0.00000	0.00000	0.00937	1	957	-35.00000	-32.00000	99.75000
0.00000	0.00000	0.00788	1	958	-34.00000	-32.00000	99.75000
0.00000	0.00000		1	959	-33.00000	-32.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	0.00640	1				
0.00000	0.00000	0.00494	1	960	-32.00000	-32.00000	99.75000
0.00000	0.00000	0.00351	1	961	-31.00000	-32.00000	99.75000
0.00000	0.00000	0.00213	1	962	-30.00000	-32.00000	99.75000
0.00000	0.00000	0.00079	1	963	-29.00000	-32.00000	99.75000
0.00000	0.00000	-0.00048	1	964	-28.00000	-32.00000	99.75000
0.00000	0.00000	-0.00167	1	965	-27.00000	-32.00000	99.75000
0.00000	0.00000	-0.00278	1	966	-26.00000	-32.00000	99.75000
0.00000	0.00000	-0.00380	1	967	-25.00000	-32.00000	99.75000
0.00000	0.00000	-0.00471	1	968	-24.00000	-32.00000	99.75000
0.00000	0.00000	-0.00550	1	969	-23.00000	-32.00000	99.75000
0.00000	0.00000	-0.00618	1	970	-22.00000	-32.00000	99.75000
0.00000	0.00000	-0.00673	1	971	-21.00000	-32.00000	99.75000
0.00000	0.00000	-0.00715	1	972	-20.00000	-32.00000	99.75000
0.00000	0.00000	-0.00744	1	973	-19.00000	-32.00000	99.75000
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0.00000	0.00000	-0.00677	1	978	-14.00000	-32.00000	99.75000
0.00000	0.00000	-0.00622	1	979	-13.00000	-32.00000	99.75000
0.00000	0.00000	-0.00555	1	980	-12.00000	-32.00000	99.75000
0.00000	0.00000	-0.00476	1	981	-11.00000	-32.00000	99.75000
0.00000	0.00000	-0.00386	1	982	-10.00000	-32.00000	99.75000
0.00000	0.00000	-0.00285	1	983	-9.00000	-32.00000	99.75000
0.00000	0.00000	-0.00174	1	984	-8.00000	-32.00000	99.75000
0.00000	0.00000	-0.00054	1	985	-7.00000	-32.00000	99.75000
0.00000	0.00000	0.00073	1	986	-6.00000	-32.00000	99.75000
0.00000	0.00000	0.00206	1	987	-5.00000	-32.00000	99.75000
0.00000	0.00000	0.00345	1	988	-4.00000	-32.00000	99.75000
0.00000	0.00000	0.00489	1	989	-3.00000	-32.00000	99.75000
0.00000	0.00000	0.00635	1	990	-2.00000	-32.00000	99.75000
0.00000	0.00000	0.00784	1	991	-1.00000	-32.00000	99.75000
0.00000	0.00000	0.00933	1	992	0.00000	-32.00000	99.75000
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0.00000	0.00000	0.01231	1	994	2.00000	-32.00000	99.75000
0.00000	0.00000	0.01378	1	995	3.00000	-32.00000	99.75000
0.00000	0.00000	0.01521	1	996	4.00000	-32.00000	99.75000
0.00000	0.00000	0.01662	1	997	5.00000	-32.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	0.01403	1	998	-40.00000	-31.00000	99.75000
0.00000	0.00000	0.01243	1	999	-39.00000	-31.00000	99.75000
0.00000	0.00000	0.01079	1	1000	-38.00000	-31.00000	99.75000
0.00000	0.00000	0.00912	1	1001	-37.00000	-31.00000	99.75000
0.00000	0.00000	0.00743	1	1002	-36.00000	-31.00000	99.75000
0.00000	0.00000	0.00572	1	1003	-35.00000	-31.00000	99.75000
0.00000	0.00000	0.00401	1	1004	-34.00000	-31.00000	99.75000
0.00000	0.00000	0.00231	1	1005	-33.00000	-31.00000	99.75000
0.00000	0.00000	0.00063	1	1006	-32.00000	-31.00000	99.75000
0.00000	0.00000	-0.00101	1	1007	-31.00000	-31.00000	99.75000
0.00000	0.00000	-0.00261	1	1008	-30.00000	-31.00000	99.75000
0.00000	0.00000	-0.00414	1	1009	-29.00000	-31.00000	99.75000
0.00000	0.00000	-0.00560	1	1010	-28.00000	-31.00000	99.75000
0.00000	0.00000	-0.00698	1	1011	-27.00000	-31.00000	99.75000
0.00000	0.00000	-0.00826	1	1012	-26.00000	-31.00000	99.75000
0.00000	0.00000	-0.00943	1	1013	-25.00000	-31.00000	99.75000
0.00000	0.00000	-0.01048	1	1014	-24.00000	-31.00000	99.75000
0.00000	0.00000	-0.01140	1	1015	-23.00000	-31.00000	99.75000
0.00000	0.00000	-0.01218	1	1016	-22.00000	-31.00000	99.75000
0.00000	0.00000	-0.01282	1	1017	-21.00000	-31.00000	99.75000
0.00000	0.00000	-0.01331	1	1018	-20.00000	-31.00000	99.75000
0.00000	0.00000	-0.01363	1	1019	-19.00000	-31.00000	99.75000
0.00000	0.00000	-0.01380	1	1020	-18.00000	-31.00000	99.75000
0.00000	0.00000	-0.01381	1	1021	-17.00000	-31.00000	99.75000
0.00000	0.00000	-0.01365	1	1022	-16.00000	-31.00000	99.75000
0.00000	0.00000	-0.01334	1	1023	-15.00000	-31.00000	99.75000
0.00000	0.00000	-0.01286	1	1024	-14.00000	-31.00000	99.75000
0.00000	0.00000	-0.01224	1	1025	-13.00000	-31.00000	99.75000
0.00000	0.00000	-0.01146	1	1026	-12.00000	-31.00000	99.75000
0.00000	0.00000	-0.01055	1	1027	-11.00000	-31.00000	99.75000
0.00000	0.00000	-0.00951	1	1028	-10.00000	-31.00000	99.75000
0.00000	0.00000	-0.00834	1	1029	-9.00000	-31.00000	99.75000
0.00000	0.00000	-0.00706	1	1030	-8.00000	-31.00000	99.75000
0.00000	0.00000	-0.00569	1	1031	-7.00000	-31.00000	99.75000
0.00000	0.00000	-0.00422	1	1032	-6.00000	-31.00000	99.75000
0.00000	0.00000	-0.00269	1	1033	-5.00000	-31.00000	99.75000
0.00000	0.00000	-0.00109	1	1034	-4.00000	-31.00000	99.75000
0.00000	0.00000	0.00056	1	1035	-3.00000	-31.00000	99.75000
				1036	-2.00000	-31.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	0.00225	1				
0.00000	0.00000	0.00395	1	1037	-1.00000	-31.00000	99.75000
0.00000	0.00000	0.00567	1	1038	0.00000	-31.00000	99.75000
0.00000	0.00000	0.00738	1	1039	1.00000	-31.00000	99.75000
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0.00000	0.00000	0.01241	1	1042	4.00000	-31.00000	99.75000
0.00000	0.00000	0.01402	1	1043	5.00000	-31.00000	99.75000
0.00000	0.00000	0.01116	1	1044	-40.00000	-30.00000	99.75000
0.00000	0.00000	0.00933	1	1045	-39.00000	-30.00000	99.75000
0.00000	0.00000	0.00746	1	1046	-38.00000	-30.00000	99.75000
0.00000	0.00000	0.00555	1	1047	-37.00000	-30.00000	99.75000
0.00000	0.00000	0.00361	1	1048	-36.00000	-30.00000	99.75000
0.00000	0.00000	0.00165	1	1049	-35.00000	-30.00000	99.75000
0.00000	0.00000	-0.00031	1	1050	-34.00000	-30.00000	99.75000
0.00000	0.00000	-0.00226	1	1051	-33.00000	-30.00000	99.75000
0.00000	0.00000	-0.00419	1	1052	-32.00000	-30.00000	99.75000
0.00000	0.00000	-0.00608	1	1053	-31.00000	-30.00000	99.75000
0.00000	0.00000	-0.00791	1	1054	-30.00000	-30.00000	99.75000
0.00000	0.00000	-0.00968	1	1055	-29.00000	-30.00000	99.75000
0.00000	0.00000	-0.01137	1	1056	-28.00000	-30.00000	99.75000
0.00000	0.00000	-0.01295	1	1057	-27.00000	-30.00000	99.75000
0.00000	0.00000	-0.01443	1	1058	-26.00000	-30.00000	99.75000
0.00000	0.00000	-0.01578	1	1059	-25.00000	-30.00000	99.75000
0.00000	0.00000	-0.01699	1	1060	-24.00000	-30.00000	99.75000
0.00000	0.00000	-0.01805	1	1061	-23.00000	-30.00000	99.75000
0.00000	0.00000	-0.01895	1	1062	-22.00000	-30.00000	99.75000
0.00000	0.00000	-0.01969	1	1063	-21.00000	-30.00000	99.75000
0.00000	0.00000	-0.02025	1	1064	-20.00000	-30.00000	99.75000
0.00000	0.00000	-0.02063	1	1065	-19.00000	-30.00000	99.75000
0.00000	0.00000	-0.02082	1	1066	-18.00000	-30.00000	99.75000
0.00000	0.00000	-0.02083	1	1067	-17.00000	-30.00000	99.75000
0.00000	0.00000	-0.02065	1	1068	-16.00000	-30.00000	99.75000
0.00000	0.00000	-0.02029	1	1069	-15.00000	-30.00000	99.75000
0.00000	0.00000	-0.01974	1	1070	-14.00000	-30.00000	99.75000
0.00000	0.00000	-0.01902	1	1071	-13.00000	-30.00000	99.75000
0.00000	0.00000	-0.01813	1	1072	-12.00000	-30.00000	99.75000
0.00000	0.00000	-0.01707	1	1073	-11.00000	-30.00000	99.75000
0.00000	0.00000	-0.01587	1	1074	-10.00000	-30.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.01453	1	1075	-9.00000	-30.00000	99.75000
0.00000	0.00000	-0.01305	1	1076	-8.00000	-30.00000	99.75000
0.00000	0.00000	-0.01147	1	1077	-7.00000	-30.00000	99.75000
0.00000	0.00000	-0.00978	1	1078	-6.00000	-30.00000	99.75000
0.00000	0.00000	-0.00801	1	1079	-5.00000	-30.00000	99.75000
0.00000	0.00000	-0.00617	1	1080	-4.00000	-30.00000	99.75000
0.00000	0.00000	-0.00428	1	1081	-3.00000	-30.00000	99.75000
0.00000	0.00000	-0.00235	1	1082	-2.00000	-30.00000	99.75000
0.00000	0.00000	-0.00039	1	1083	-1.00000	-30.00000	99.75000
0.00000	0.00000	0.00158	1	1084	0.00000	-30.00000	99.75000
0.00000	0.00000	0.00355	1	1085	1.00000	-30.00000	99.75000
0.00000	0.00000	0.00549	1	1086	2.00000	-30.00000	99.75000
0.00000	0.00000	0.00742	1	1087	3.00000	-30.00000	99.75000
0.00000	0.00000	0.00930	1	1088	4.00000	-30.00000	99.75000
0.00000	0.00000	0.01113	1	1089	5.00000	-30.00000	99.75000
0.00000	0.00000	0.00798	1	1090	-40.00000	-29.00000	99.75000
0.00000	0.00000	0.00590	1	1091	-39.00000	-29.00000	99.75000
0.00000	0.00000	0.00376	1	1092	-38.00000	-29.00000	99.75000
0.00000	0.00000	0.00157	1	1093	-37.00000	-29.00000	99.75000
0.00000	0.00000	-0.00065	1	1094	-36.00000	-29.00000	99.75000
0.00000	0.00000	-0.00289	1	1095	-35.00000	-29.00000	99.75000
0.00000	0.00000	-0.00514	1	1096	-34.00000	-29.00000	99.75000
0.00000	0.00000	-0.00737	1	1097	-33.00000	-29.00000	99.75000
0.00000	0.00000	-0.00959	1	1098	-32.00000	-29.00000	99.75000
0.00000	0.00000	-0.01176	1	1099	-31.00000	-29.00000	99.75000
0.00000	0.00000	-0.01387	1	1100	-30.00000	-29.00000	99.75000
0.00000	0.00000	-0.01590	1	1101	-29.00000	-29.00000	99.75000
0.00000	0.00000	-0.01784	1	1102	-28.00000	-29.00000	99.75000
0.00000	0.00000	-0.01967	1	1103	-27.00000	-29.00000	99.75000
0.00000	0.00000	-0.02137	1	1104	-26.00000	-29.00000	99.75000
0.00000	0.00000	-0.02292	1	1105	-25.00000	-29.00000	99.75000
0.00000	0.00000	-0.02432	1	1106	-24.00000	-29.00000	99.75000
0.00000	0.00000	-0.02554	1	1107	-23.00000	-29.00000	99.75000
0.00000	0.00000	-0.02659	1	1108	-22.00000	-29.00000	99.75000
0.00000	0.00000	-0.02744	1	1109	-21.00000	-29.00000	99.75000
0.00000	0.00000	-0.02808	1	1110	-20.00000	-29.00000	99.75000
0.00000	0.00000	-0.02852	1	1111	-19.00000	-29.00000	99.75000
0.00000	0.00000	-0.02875	1	1112	-18.00000	-29.00000	99.75000
				1113	-17.00000	-29.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Result: Coordinates:				
Ref.	z	Name	Ref.	x	y	z	x
0.00000	0.00000	-0.02875	1				
0.00000	0.00000	-0.02855	1	1114	-16.00000	-29.00000	99.75000
0.00000	0.00000	-0.02813	1	1115	-15.00000	-29.00000	99.75000
0.00000	0.00000	-0.02750	1	1116	-14.00000	-29.00000	99.75000
0.00000	0.00000	-0.02667	1	1117	-13.00000	-29.00000	99.75000
0.00000	0.00000	-0.02564	1	1118	-12.00000	-29.00000	99.75000
0.00000	0.00000	-0.02442	1	1119	-11.00000	-29.00000	99.75000
0.00000	0.00000	-0.02303	1	1120	-10.00000	-29.00000	99.75000
0.00000	0.00000	-0.02149	1	1121	-9.00000	-29.00000	99.75000
0.00000	0.00000	-0.01979	1	1122	-8.00000	-29.00000	99.75000
0.00000	0.00000	-0.01796	1	1123	-7.00000	-29.00000	99.75000
0.00000	0.00000	-0.01602	1	1124	-6.00000	-29.00000	99.75000
0.00000	0.00000	-0.01399	1	1125	-5.00000	-29.00000	99.75000
0.00000	0.00000	-0.01187	1	1126	-4.00000	-29.00000	99.75000
0.00000	0.00000	-0.00970	1	1127	-3.00000	-29.00000	99.75000
0.00000	0.00000	-0.00748	1	1128	-2.00000	-29.00000	99.75000
0.00000	0.00000	-0.00523	1	1129	-1.00000	-29.00000	99.75000
0.00000	0.00000	-0.00298	1	1130	0.00000	-29.00000	99.75000
0.00000	0.00000	-0.00073	1	1131	1.00000	-29.00000	99.75000
0.00000	0.00000	0.00150	1	1132	2.00000	-29.00000	99.75000
0.00000	0.00000	0.00370	1	1133	3.00000	-29.00000	99.75000
0.00000	0.00000	0.00585	1	1134	4.00000	-29.00000	99.75000
0.00000	0.00000	0.00794	1	1135	5.00000	-29.00000	99.75000
0.00000	0.00000	0.00446	1	1136	-40.00000	-28.00000	99.75000
0.00000	0.00000	0.00209	1	1137	-39.00000	-28.00000	99.75000
0.00000	0.00000	-0.00035	1	1138	-38.00000	-28.00000	99.75000
0.00000	0.00000	-0.00284	1	1139	-37.00000	-28.00000	99.75000
0.00000	0.00000	-0.00538	1	1140	-36.00000	-28.00000	99.75000
0.00000	0.00000	-0.00794	1	1141	-35.00000	-28.00000	99.75000
0.00000	0.00000	-0.01052	1	1142	-34.00000	-28.00000	99.75000
0.00000	0.00000	-0.01308	1	1143	-33.00000	-28.00000	99.75000
0.00000	0.00000	-0.01562	1	1144	-32.00000	-28.00000	99.75000
0.00000	0.00000	-0.01811	1	1145	-31.00000	-28.00000	99.75000
0.00000	0.00000	-0.02054	1	1146	-30.00000	-28.00000	99.75000
0.00000	0.00000	-0.02288	1	1147	-29.00000	-28.00000	99.75000
0.00000	0.00000	-0.02511	1	1148	-28.00000	-28.00000	99.75000
0.00000	0.00000	-0.02721	1	1149	-27.00000	-28.00000	99.75000
0.00000	0.00000	-0.02917	1	1150	-26.00000	-28.00000	99.75000
0.00000	0.00000	-0.03097	1	1151	-25.00000	-28.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.03258	1	1152	-24.00000	-28.00000	99.75000
0.00000	0.00000	-0.03399	1	1153	-23.00000	-28.00000	99.75000
0.00000	0.00000	-0.03519	1	1154	-22.00000	-28.00000	99.75000
0.00000	0.00000	-0.03617	1	1155	-21.00000	-28.00000	99.75000
0.00000	0.00000	-0.03692	1	1156	-20.00000	-28.00000	99.75000
0.00000	0.00000	-0.03743	1	1157	-19.00000	-28.00000	99.75000
0.00000	0.00000	-0.03769	1	1158	-18.00000	-28.00000	99.75000
0.00000	0.00000	-0.03770	1	1159	-17.00000	-28.00000	99.75000
0.00000	0.00000	-0.03746	1	1160	-16.00000	-28.00000	99.75000
0.00000	0.00000	-0.03698	1	1161	-15.00000	-28.00000	99.75000
0.00000	0.00000	-0.03625	1	1162	-14.00000	-28.00000	99.75000
0.00000	0.00000	-0.03529	1	1163	-13.00000	-28.00000	99.75000
0.00000	0.00000	-0.03410	1	1164	-12.00000	-28.00000	99.75000
0.00000	0.00000	-0.03270	1	1165	-11.00000	-28.00000	99.75000
0.00000	0.00000	-0.03110	1	1166	-10.00000	-28.00000	99.75000
0.00000	0.00000	-0.02932	1	1167	-9.00000	-28.00000	99.75000
0.00000	0.00000	-0.02736	1	1168	-8.00000	-28.00000	99.75000
0.00000	0.00000	-0.02526	1	1169	-7.00000	-28.00000	99.75000
0.00000	0.00000	-0.02303	1	1170	-6.00000	-28.00000	99.75000
0.00000	0.00000	-0.02068	1	1171	-5.00000	-28.00000	99.75000
0.00000	0.00000	-0.01825	1	1172	-4.00000	-28.00000	99.75000
0.00000	0.00000	-0.01575	1	1173	-3.00000	-28.00000	99.75000
0.00000	0.00000	-0.01321	1	1174	-2.00000	-28.00000	99.75000
0.00000	0.00000	-0.01063	1	1175	-1.00000	-28.00000	99.75000
0.00000	0.00000	-0.00805	1	1176	0.00000	-28.00000	99.75000
0.00000	0.00000	-0.00548	1	1177	1.00000	-28.00000	99.75000
0.00000	0.00000	-0.00293	1	1178	2.00000	-28.00000	99.75000
0.00000	0.00000	-0.00043	1	1179	3.00000	-28.00000	99.75000
0.00000	0.00000	0.00202	1	1180	4.00000	-28.00000	99.75000
0.00000	0.00000	0.00441	1	1181	5.00000	-28.00000	99.75000
0.00000	0.00000	0.00058	1	1182	-40.00000	-27.00000	99.75000
0.00000	0.00000	-0.00211	1	1183	-39.00000	-27.00000	99.75000
0.00000	0.00000	-0.00489	1	1184	-38.00000	-27.00000	99.75000
0.00000	0.00000	-0.00774	1	1185	-37.00000	-27.00000	99.75000
0.00000	0.00000	-0.01063	1	1186	-36.00000	-27.00000	99.75000
0.00000	0.00000	-0.01357	1	1187	-35.00000	-27.00000	99.75000
0.00000	0.00000	-0.01651	1	1188	-34.00000	-27.00000	99.75000
0.00000	0.00000	-0.01945	1	1189	-33.00000	-27.00000	99.75000
				1190	-32.00000	-27.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.02236	1	1191	-31.00000	-27.00000	99.75000
0.00000	0.00000	-0.02523	1	1192	-30.00000	-27.00000	99.75000
0.00000	0.00000	-0.02801	1	1193	-29.00000	-27.00000	99.75000
0.00000	0.00000	-0.03071	1	1194	-28.00000	-27.00000	99.75000
0.00000	0.00000	-0.03327	1	1195	-27.00000	-27.00000	99.75000
0.00000	0.00000	-0.03570	1	1196	-26.00000	-27.00000	99.75000
0.00000	0.00000	-0.03796	1	1197	-25.00000	-27.00000	99.75000
0.00000	0.00000	-0.04003	1	1198	-24.00000	-27.00000	99.75000
0.00000	0.00000	-0.04188	1	1199	-23.00000	-27.00000	99.75000
0.00000	0.00000	-0.04352	1	1200	-22.00000	-27.00000	99.75000
0.00000	0.00000	-0.04491	1	1201	-21.00000	-27.00000	99.75000
0.00000	0.00000	-0.04604	1	1202	-20.00000	-27.00000	99.75000
0.00000	0.00000	-0.04690	1	1203	-19.00000	-27.00000	99.75000
0.00000	0.00000	-0.04748	1	1204	-18.00000	-27.00000	99.75000
0.00000	0.00000	-0.04778	1	1205	-17.00000	-27.00000	99.75000
0.00000	0.00000	-0.04780	1	1206	-16.00000	-27.00000	99.75000
0.00000	0.00000	-0.04752	1	1207	-15.00000	-27.00000	99.75000
0.00000	0.00000	-0.04697	1	1208	-14.00000	-27.00000	99.75000
0.00000	0.00000	-0.04613	1	1209	-13.00000	-27.00000	99.75000
0.00000	0.00000	-0.04502	1	1210	-12.00000	-27.00000	99.75000
0.00000	0.00000	-0.04365	1	1211	-11.00000	-27.00000	99.75000
0.00000	0.00000	-0.04203	1	1212	-10.00000	-27.00000	99.75000
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0.00000	0.00000	-0.03813	1	1214	-8.00000	-27.00000	99.75000
0.00000	0.00000	-0.03587	1	1215	-7.00000	-27.00000	99.75000
0.00000	0.00000	-0.03345	1	1216	-6.00000	-27.00000	99.75000
0.00000	0.00000	-0.03088	1	1217	-5.00000	-27.00000	99.75000
0.00000	0.00000	-0.02819	1	1218	-4.00000	-27.00000	99.75000
0.00000	0.00000	-0.02539	1	1219	-3.00000	-27.00000	99.75000
0.00000	0.00000	-0.02252	1	1220	-2.00000	-27.00000	99.75000
0.00000	0.00000	-0.01960	1	1221	-1.00000	-27.00000	99.75000
0.00000	0.00000	-0.01665	1	1222	0.00000	-27.00000	99.75000
0.00000	0.00000	-0.01369	1	1223	1.00000	-27.00000	99.75000
0.00000	0.00000	-0.01075	1	1224	2.00000	-27.00000	99.75000
0.00000	0.00000	-0.00784	1	1225	3.00000	-27.00000	99.75000
0.00000	0.00000	-0.00499	1	1226	4.00000	-27.00000	99.75000
0.00000	0.00000	-0.00220	1	1227	5.00000	-27.00000	99.75000
0.00000	0.00000	0.00051	1	1228	-40.00000	-26.00000	99.75000
0.00000	0.00000	-0.00368	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.00675	1	1229	-39.00000	-26.00000	99.75000
0.00000	0.00000	-0.00991	1	1230	-38.00000	-26.00000	99.75000
0.00000	0.00000	-0.01316	1	1231	-37.00000	-26.00000	99.75000
0.00000	0.00000	-0.01646	1	1232	-36.00000	-26.00000	99.75000
0.00000	0.00000	-0.01981	1	1233	-35.00000	-26.00000	99.75000
0.00000	0.00000	-0.02319	1	1234	-34.00000	-26.00000	99.75000
0.00000	0.00000	-0.02655	1	1235	-33.00000	-26.00000	99.75000
0.00000	0.00000	-0.02990	1	1236	-32.00000	-26.00000	99.75000
0.00000	0.00000	-0.03318	1	1237	-31.00000	-26.00000	99.75000
0.00000	0.00000	-0.03639	1	1238	-30.00000	-26.00000	99.75000
0.00000	0.00000	-0.03949	1	1239	-29.00000	-26.00000	99.75000
0.00000	0.00000	-0.04245	1	1240	-28.00000	-26.00000	99.75000
0.00000	0.00000	-0.04524	1	1241	-27.00000	-26.00000	99.75000
0.00000	0.00000	-0.04785	1	1242	-26.00000	-26.00000	99.75000
0.00000	0.00000	-0.05023	1	1243	-25.00000	-26.00000	99.75000
0.00000	0.00000	-0.05238	1	1244	-24.00000	-26.00000	99.75000
0.00000	0.00000	-0.05426	1	1245	-23.00000	-26.00000	99.75000
0.00000	0.00000	-0.05587	1	1246	-22.00000	-26.00000	99.75000
0.00000	0.00000	-0.05717	1	1247	-21.00000	-26.00000	99.75000
0.00000	0.00000	-0.05717	1	1248	-20.00000	-26.00000	99.75000
0.00000	0.00000	-0.05885	1	1249	-19.00000	-26.00000	99.75000
0.00000	0.00000	-0.05919	1	1250	-18.00000	-26.00000	99.75000
0.00000	0.00000	-0.05921	1	1251	-17.00000	-26.00000	99.75000
0.00000	0.00000	-0.05889	1	1252	-16.00000	-26.00000	99.75000
0.00000	0.00000	-0.05825	1	1253	-15.00000	-26.00000	99.75000
0.00000	0.00000	-0.05728	1	1254	-14.00000	-26.00000	99.75000
0.00000	0.00000	-0.05600	1	1255	-13.00000	-26.00000	99.75000
0.00000	0.00000	-0.05442	1	1256	-12.00000	-26.00000	99.75000
0.00000	0.00000	-0.05255	1	1257	-11.00000	-26.00000	99.75000
0.00000	0.00000	-0.05042	1	1258	-10.00000	-26.00000	99.75000
0.00000	0.00000	-0.04804	1	1259	-9.00000	-26.00000	99.75000
0.00000	0.00000	-0.04545	1	1260	-8.00000	-26.00000	99.75000
0.00000	0.00000	-0.04265	1	1261	-7.00000	-26.00000	99.75000
0.00000	0.00000	-0.03969	1	1262	-6.00000	-26.00000	99.75000
0.00000	0.00000	-0.03659	1	1263	-5.00000	-26.00000	99.75000
0.00000	0.00000	-0.03338	1	1264	-4.00000	-26.00000	99.75000
0.00000	0.00000	-0.03008	1	1265	-3.00000	-26.00000	99.75000
0.00000	0.00000	-0.02672	1	1266	-2.00000	-26.00000	99.75000
				1267	-1.00000	-26.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.02334	1	1268	0.00000	-26.00000	99.75000
0.00000	0.00000	-0.01996	1	1269	1.00000	-26.00000	99.75000
0.00000	0.00000	-0.01660	1	1270	2.00000	-26.00000	99.75000
0.00000	0.00000	-0.01328	1	1271	3.00000	-26.00000	99.75000
0.00000	0.00000	-0.01002	1	1272	4.00000	-26.00000	99.75000
0.00000	0.00000	-0.00685	1	1273	5.00000	-26.00000	99.75000
0.00000	0.00000	-0.00377	1	1274	-40.00000	-25.00000	99.75000
0.00000	0.00000	-0.00838	1	1275	-39.00000	-25.00000	99.75000
0.00000	0.00000	-0.01186	1	1276	-38.00000	-25.00000	99.75000
0.00000	0.00000	-0.01545	1	1277	-37.00000	-25.00000	99.75000
0.00000	0.00000	-0.01915	1	1278	-36.00000	-25.00000	99.75000
0.00000	0.00000	-0.02292	1	1279	-35.00000	-25.00000	99.75000
0.00000	0.00000	-0.02675	1	1280	-34.00000	-25.00000	99.75000
0.00000	0.00000	-0.03061	1	1281	-33.00000	-25.00000	99.75000
0.00000	0.00000	-0.03448	1	1282	-32.00000	-25.00000	99.75000
0.00000	0.00000	-0.03831	1	1283	-31.00000	-25.00000	99.75000
0.00000	0.00000	-0.04209	1	1284	-30.00000	-25.00000	99.75000
0.00000	0.00000	-0.04578	1	1285	-29.00000	-25.00000	99.75000
0.00000	0.00000	-0.04935	1	1286	-28.00000	-25.00000	99.75000
0.00000	0.00000	-0.05276	1	1287	-27.00000	-25.00000	99.75000
0.00000	0.00000	-0.05598	1	1288	-26.00000	-25.00000	99.75000
0.00000	0.00000	-0.05898	1	1289	-25.00000	-25.00000	99.75000
0.00000	0.00000	-0.06174	1	1290	-24.00000	-25.00000	99.75000
0.00000	0.00000	-0.06422	1	1291	-23.00000	-25.00000	99.75000
0.00000	0.00000	-0.06640	1	1292	-22.00000	-25.00000	99.75000
0.00000	0.00000	-0.06825	1	1293	-21.00000	-25.00000	99.75000
0.00000	0.00000	-0.06976	1	1294	-20.00000	-25.00000	99.75000
0.00000	0.00000	-0.07091	1	1295	-19.00000	-25.00000	99.75000
0.00000	0.00000	-0.07170	1	1296	-18.00000	-25.00000	99.75000
0.00000	0.00000	-0.07210	1	1297	-17.00000	-25.00000	99.75000
0.00000	0.00000	-0.07212	1	1298	-16.00000	-25.00000	99.75000
0.00000	0.00000	-0.07175	1	1299	-15.00000	-25.00000	99.75000
0.00000	0.00000	-0.07101	1	1300	-14.00000	-25.00000	99.75000
0.00000	0.00000	-0.06989	1	1301	-13.00000	-25.00000	99.75000
0.00000	0.00000	-0.06841	1	1302	-12.00000	-25.00000	99.75000
0.00000	0.00000	-0.06658	1	1303	-11.00000	-25.00000	99.75000
0.00000	0.00000	-0.06442	1	1304	-10.00000	-25.00000	99.75000
0.00000	0.00000	-0.06196	1	1305	-9.00000	-25.00000	99.75000
0.00000	0.00000	-0.05922	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.05622	1	1306	-8.00000	-25.00000	99.75000
0.00000	0.00000	-0.05299	1	1307	-7.00000	-25.00000	99.75000
0.00000	0.00000	-0.04958	1	1308	-6.00000	-25.00000	99.75000
0.00000	0.00000	-0.04601	1	1309	-5.00000	-25.00000	99.75000
0.00000	0.00000	-0.04231	1	1310	-4.00000	-25.00000	99.75000
0.00000	0.00000	-0.03852	1	1311	-3.00000	-25.00000	99.75000
0.00000	0.00000	-0.03467	1	1312	-2.00000	-25.00000	99.75000
0.00000	0.00000	-0.03079	1	1313	-1.00000	-25.00000	99.75000
0.00000	0.00000	-0.02692	1	1314	0.00000	-25.00000	99.75000
0.00000	0.00000	-0.02307	1	1315	1.00000	-25.00000	99.75000
0.00000	0.00000	-0.01929	1	1316	2.00000	-25.00000	99.75000
0.00000	0.00000	-0.01558	1	1317	3.00000	-25.00000	99.75000
0.00000	0.00000	-0.01197	1	1318	4.00000	-25.00000	99.75000
0.00000	0.00000	-0.00848	1	1319	5.00000	-25.00000	99.75000
0.00000	0.00000	-0.01352	1	1320	-40.00000	-24.00000	99.75000
0.00000	0.00000	-0.01747	1	1321	-39.00000	-24.00000	99.75000
0.00000	0.00000	-0.02156	1	1322	-38.00000	-24.00000	99.75000
0.00000	0.00000	-0.02577	1	1323	-37.00000	-24.00000	99.75000
0.00000	0.00000	-0.03008	1	1324	-36.00000	-24.00000	99.75000
0.00000	0.00000	-0.03446	1	1325	-35.00000	-24.00000	99.75000
0.00000	0.00000	-0.03888	1	1326	-34.00000	-24.00000	99.75000
0.00000	0.00000	-0.04331	1	1327	-33.00000	-24.00000	99.75000
0.00000	0.00000	-0.04772	1	1328	-32.00000	-24.00000	99.75000
0.00000	0.00000	-0.05206	1	1329	-31.00000	-24.00000	99.75000
0.00000	0.00000	-0.05631	1	1330	-30.00000	-24.00000	99.75000
0.00000	0.00000	-0.06042	1	1331	-29.00000	-24.00000	99.75000
0.00000	0.00000	-0.06435	1	1332	-28.00000	-24.00000	99.75000
0.00000	0.00000	-0.06808	1	1333	-27.00000	-24.00000	99.75000
0.00000	0.00000	-0.07155	1	1334	-26.00000	-24.00000	99.75000
0.00000	0.00000	-0.07473	1	1335	-25.00000	-24.00000	99.75000
0.00000	0.00000	-0.07760	1	1336	-24.00000	-24.00000	99.75000
0.00000	0.00000	-0.08011	1	1337	-23.00000	-24.00000	99.75000
0.00000	0.00000	-0.08226	1	1338	-22.00000	-24.00000	99.75000
0.00000	0.00000	-0.08401	1	1339	-21.00000	-24.00000	99.75000
0.00000	0.00000	-0.08534	1	1340	-20.00000	-24.00000	99.75000
0.00000	0.00000	-0.08625	1	1341	-19.00000	-24.00000	99.75000
0.00000	0.00000	-0.08671	1	1342	-18.00000	-24.00000	99.75000
0.00000	0.00000	-0.08674	1	1343	-17.00000	-24.00000	99.75000
				1344	-16.00000	-24.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.08631	1	1345	-15.00000	-24.00000	99.75000
0.00000	0.00000	-0.08545	1	1346	-14.00000	-24.00000	99.75000
0.00000	0.00000	-0.08416	1	1347	-13.00000	-24.00000	99.75000
0.00000	0.00000	-0.08245	1	1348	-12.00000	-24.00000	99.75000
0.00000	0.00000	-0.08033	1	1349	-11.00000	-24.00000	99.75000
0.00000	0.00000	-0.07784	1	1350	-10.00000	-24.00000	99.75000
0.00000	0.00000	-0.07499	1	1351	-9.00000	-24.00000	99.75000
0.00000	0.00000	-0.07181	1	1352	-8.00000	-24.00000	99.75000
0.00000	0.00000	-0.06835	1	1353	-7.00000	-24.00000	99.75000
0.00000	0.00000	-0.06462	1	1354	-6.00000	-24.00000	99.75000
0.00000	0.00000	-0.06068	1	1355	-5.00000	-24.00000	99.75000
0.00000	0.00000	-0.05656	1	1356	-4.00000	-24.00000	99.75000
0.00000	0.00000	-0.05230	1	1357	-3.00000	-24.00000	99.75000
0.00000	0.00000	-0.04794	1	1358	-2.00000	-24.00000	99.75000
0.00000	0.00000	-0.04352	1	1359	-1.00000	-24.00000	99.75000
0.00000	0.00000	-0.03907	1	1360	0.00000	-24.00000	99.75000
0.00000	0.00000	-0.03464	1	1361	1.00000	-24.00000	99.75000
0.00000	0.00000	-0.03024	1	1362	2.00000	-24.00000	99.75000
0.00000	0.00000	-0.02592	1	1363	3.00000	-24.00000	99.75000
0.00000	0.00000	-0.02170	1	1364	4.00000	-24.00000	99.75000
0.00000	0.00000	-0.01760	1	1365	5.00000	-24.00000	99.75000
0.00000	0.00000	-0.01364	1	1366	-40.00000	-23.00000	99.75000
0.00000	0.00000	-0.01916	1	1367	-39.00000	-23.00000	99.75000
0.00000	0.00000	-0.02364	1	1368	-38.00000	-23.00000	99.75000
0.00000	0.00000	-0.02829	1	1369	-37.00000	-23.00000	99.75000
0.00000	0.00000	-0.03308	1	1370	-36.00000	-23.00000	99.75000
0.00000	0.00000	-0.03800	1	1371	-35.00000	-23.00000	99.75000
0.00000	0.00000	-0.04301	1	1372	-34.00000	-23.00000	99.75000
0.00000	0.00000	-0.04807	1	1373	-33.00000	-23.00000	99.75000
0.00000	0.00000	-0.05316	1	1374	-32.00000	-23.00000	99.75000
0.00000	0.00000	-0.05823	1	1375	-31.00000	-23.00000	99.75000
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0.00000	0.00000	-0.06813	1	1377	-29.00000	-23.00000	99.75000
0.00000	0.00000	-0.07287	1	1378	-28.00000	-23.00000	99.75000
0.00000	0.00000	-0.07741	1	1379	-27.00000	-23.00000	99.75000
0.00000	0.00000	-0.08171	1	1380	-26.00000	-23.00000	99.75000
0.00000	0.00000	-0.08573	1	1381	-25.00000	-23.00000	99.75000
0.00000	0.00000	-0.08941	1	1382	-24.00000	-23.00000	99.75000
0.00000	0.00000	-0.09273	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.09564	1	1383	-23.00000	-23.00000	99.75000
0.00000	0.00000	-0.09813	1	1384	-22.00000	-23.00000	99.75000
0.00000	0.00000	-0.10015	1	1385	-21.00000	-23.00000	99.75000
0.00000	0.00000	-0.10170	1	1386	-20.00000	-23.00000	99.75000
0.00000	0.00000	-0.10275	1	1387	-19.00000	-23.00000	99.75000
0.00000	0.00000	-0.10329	1	1388	-18.00000	-23.00000	99.75000
0.00000	0.00000	-0.10331	1	1389	-17.00000	-23.00000	99.75000
0.00000	0.00000	-0.10283	1	1390	-16.00000	-23.00000	99.75000
0.00000	0.00000	-0.10183	1	1391	-15.00000	-23.00000	99.75000
0.00000	0.00000	-0.10033	1	1392	-14.00000	-23.00000	99.75000
0.00000	0.00000	-0.09835	1	1393	-13.00000	-23.00000	99.75000
0.00000	0.00000	-0.09590	1	1394	-12.00000	-23.00000	99.75000
0.00000	0.00000	-0.09301	1	1395	-11.00000	-23.00000	99.75000
0.00000	0.00000	-0.08971	1	1396	-10.00000	-23.00000	99.75000
0.00000	0.00000	-0.08603	1	1397	-9.00000	-23.00000	99.75000
0.00000	0.00000	-0.08202	1	1398	-8.00000	-23.00000	99.75000
0.00000	0.00000	-0.07772	1	1399	-7.00000	-23.00000	99.75000
0.00000	0.00000	-0.07316	1	1400	-6.00000	-23.00000	99.75000
0.00000	0.00000	-0.06840	1	1401	-5.00000	-23.00000	99.75000
0.00000	0.00000	-0.06349	1	1402	-4.00000	-23.00000	99.75000
0.00000	0.00000	-0.05847	1	1403	-3.00000	-23.00000	99.75000
0.00000	0.00000	-0.05338	1	1404	-2.00000	-23.00000	99.75000
0.00000	0.00000	-0.04828	1	1405	-1.00000	-23.00000	99.75000
0.00000	0.00000	-0.04319	1	1406	0.00000	-23.00000	99.75000
0.00000	0.00000	-0.03817	1	1407	1.00000	-23.00000	99.75000
0.00000	0.00000	-0.03324	1	1408	2.00000	-23.00000	99.75000
0.00000	0.00000	-0.02843	1	1409	3.00000	-23.00000	99.75000
0.00000	0.00000	-0.02378	1	1410	4.00000	-23.00000	99.75000
0.00000	0.00000	-0.01929	1	1411	5.00000	-23.00000	99.75000
0.00000	0.00000	-0.02532	1	1412	-40.00000	-22.00000	99.75000
0.00000	0.00000	-0.03040	1	1413	-39.00000	-22.00000	99.75000
0.00000	0.00000	-0.03569	1	1414	-38.00000	-22.00000	99.75000
0.00000	0.00000	-0.04115	1	1415	-37.00000	-22.00000	99.75000
0.00000	0.00000	-0.04677	1	1416	-36.00000	-22.00000	99.75000
0.00000	0.00000	-0.05250	1	1417	-35.00000	-22.00000	99.75000
0.00000	0.00000	-0.05831	1	1418	-34.00000	-22.00000	99.75000
0.00000	0.00000	-0.06415	1	1419	-33.00000	-22.00000	99.75000
0.00000	0.00000	-0.06998	1	1420	-32.00000	-22.00000	99.75000
				1421	-31.00000	-22.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
y	z					
0.00000	0.00000	-0.07575	1			
			1422	-30.00000	-22.00000	99.75000
0.00000	0.00000	-0.08140	1			
			1423	-29.00000	-22.00000	99.75000
0.00000	0.00000	-0.08688	1			
			1424	-28.00000	-22.00000	99.75000
0.00000	0.00000	-0.09214	1			
			1425	-27.00000	-22.00000	99.75000
0.00000	0.00000	-0.09711	1			
			1426	-26.00000	-22.00000	99.75000
0.00000	0.00000	-0.10176	1			
			1427	-25.00000	-22.00000	99.75000
0.00000	0.00000	-0.10603	1			
			1428	-24.00000	-22.00000	99.75000
0.00000	0.00000	-0.10987	1			
			1429	-23.00000	-22.00000	99.75000
0.00000	0.00000	-0.11325	1			
			1430	-22.00000	-22.00000	99.75000
0.00000	0.00000	-0.11613	1			
			1431	-21.00000	-22.00000	99.75000
0.00000	0.00000	-0.11848	1			
			1432	-20.00000	-22.00000	99.75000
0.00000	0.00000	-0.12027	1			
			1433	-19.00000	-22.00000	99.75000
0.00000	0.00000	-0.12149	1			
			1434	-18.00000	-22.00000	99.75000
0.00000	0.00000	-0.12212	1			
			1435	-17.00000	-22.00000	99.75000
0.00000	0.00000	-0.12215	1			
			1436	-16.00000	-22.00000	99.75000
0.00000	0.00000	-0.12159	1			
			1437	-15.00000	-22.00000	99.75000
0.00000	0.00000	-0.12043	1			
			1438	-14.00000	-22.00000	99.75000
0.00000	0.00000	-0.11869	1			
			1439	-13.00000	-22.00000	99.75000
0.00000	0.00000	-0.11639	1			
			1440	-12.00000	-22.00000	99.75000
0.00000	0.00000	-0.11355	1			
			1441	-11.00000	-22.00000	99.75000
0.00000	0.00000	-0.11020	1			
			1442	-10.00000	-22.00000	99.75000
0.00000	0.00000	-0.10637	1			
			1443	-9.00000	-22.00000	99.75000
0.00000	0.00000	-0.10211	1			
			1444	-8.00000	-22.00000	99.75000
0.00000	0.00000	-0.09746	1			
			1445	-7.00000	-22.00000	99.75000
0.00000	0.00000	-0.09247	1			
			1446	-6.00000	-22.00000	99.75000
0.00000	0.00000	-0.08720	1			
			1447	-5.00000	-22.00000	99.75000
0.00000	0.00000	-0.08170	1			
			1448	-4.00000	-22.00000	99.75000
0.00000	0.00000	-0.07603	1			
			1449	-3.00000	-22.00000	99.75000
0.00000	0.00000	-0.07023	1			
			1450	-2.00000	-22.00000	99.75000
0.00000	0.00000	-0.06438	1			
			1451	-1.00000	-22.00000	99.75000
0.00000	0.00000	-0.05851	1			
			1452	0.00000	-22.00000	99.75000
0.00000	0.00000	-0.05268	1			
			1453	1.00000	-22.00000	99.75000
0.00000	0.00000	-0.04693	1			
			1454	2.00000	-22.00000	99.75000
0.00000	0.00000	-0.04131	1			
			1455	3.00000	-22.00000	99.75000
0.00000	0.00000	-0.03583	1			
			1456	4.00000	-22.00000	99.75000
0.00000	0.00000	-0.03054	1			
			1457	5.00000	-22.00000	99.75000
0.00000	0.00000	-0.02545	1			
			1458	-40.00000	-21.00000	99.75000
0.00000	0.00000	-0.03205	1			
			1459	-39.00000	-21.00000	99.75000
0.00000	0.00000	-0.03781	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.04382	1	1460	-38.00000	-21.00000	99.75000
0.00000	0.00000	-0.05004	1	1461	-37.00000	-21.00000	99.75000
0.00000	0.00000	-0.05646	1	1462	-36.00000	-21.00000	99.75000
0.00000	0.00000	-0.06303	1	1463	-35.00000	-21.00000	99.75000
0.00000	0.00000	-0.06970	1	1464	-34.00000	-21.00000	99.75000
0.00000	0.00000	-0.07642	1	1465	-33.00000	-21.00000	99.75000
0.00000	0.00000	-0.08314	1	1466	-32.00000	-21.00000	99.75000
0.00000	0.00000	-0.08980	1	1467	-31.00000	-21.00000	99.75000
0.00000	0.00000	-0.09633	1	1468	-30.00000	-21.00000	99.75000
0.00000	0.00000	-0.10268	1	1469	-29.00000	-21.00000	99.75000
0.00000	0.00000	-0.10877	1	1470	-28.00000	-21.00000	99.75000
0.00000	0.00000	-0.11454	1	1471	-27.00000	-21.00000	99.75000
0.00000	0.00000	-0.11993	1	1472	-26.00000	-21.00000	99.75000
0.00000	0.00000	-0.12488	1	1473	-25.00000	-21.00000	99.75000
0.00000	0.00000	-0.12934	1	1474	-24.00000	-21.00000	99.75000
0.00000	0.00000	-0.13327	1	1475	-23.00000	-21.00000	99.75000
0.00000	0.00000	-0.13661	1	1476	-22.00000	-21.00000	99.75000
0.00000	0.00000	-0.13934	1	1477	-21.00000	-21.00000	99.75000
0.00000	0.00000	-0.14142	1	1478	-20.00000	-21.00000	99.75000
0.00000	0.00000	-0.14283	1	1479	-19.00000	-21.00000	99.75000
0.00000	0.00000	-0.14356	1	1480	-18.00000	-21.00000	99.75000
0.00000	0.00000	-0.14360	1	1481	-17.00000	-21.00000	99.75000
0.00000	0.00000	-0.14294	1	1482	-16.00000	-21.00000	99.75000
0.00000	0.00000	-0.14160	1	1483	-15.00000	-21.00000	99.75000
0.00000	0.00000	-0.13958	1	1484	-14.00000	-21.00000	99.75000
0.00000	0.00000	-0.13691	1	1485	-13.00000	-21.00000	99.75000
0.00000	0.00000	-0.13361	1	1486	-12.00000	-21.00000	99.75000
0.00000	0.00000	-0.12972	1	1487	-11.00000	-21.00000	99.75000
0.00000	0.00000	-0.12527	1	1488	-10.00000	-21.00000	99.75000
0.00000	0.00000	-0.12032	1	1489	-9.00000	-21.00000	99.75000
0.00000	0.00000	-0.11493	1	1490	-8.00000	-21.00000	99.75000
0.00000	0.00000	-0.10914	1	1491	-7.00000	-21.00000	99.75000
0.00000	0.00000	-0.10302	1	1492	-6.00000	-21.00000	99.75000
0.00000	0.00000	-0.09665	1	1493	-5.00000	-21.00000	99.75000
0.00000	0.00000	-0.09008	1	1494	-4.00000	-21.00000	99.75000
0.00000	0.00000	-0.08339	1	1495	-3.00000	-21.00000	99.75000
0.00000	0.00000	-0.07664	1	1496	-2.00000	-21.00000	99.75000
0.00000	0.00000	-0.06989	1	1497	-1.00000	-21.00000	99.75000
				1498	0.00000	-21.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.06320	1				
			1499	1.00000	-21.00000	99.75000	
0.00000	0.00000	-0.05661	1	1500	2.00000	-21.00000	99.75000
0.00000	0.00000	-0.05019	1	1501	3.00000	-21.00000	99.75000
0.00000	0.00000	-0.04395	1	1502	4.00000	-21.00000	99.75000
0.00000	0.00000	-0.03794	1	1503	5.00000	-21.00000	99.75000
0.00000	0.00000	-0.03218	1	1504	-40.00000	-20.00000	99.75000
0.00000	0.00000	-0.03937	1	1505	-39.00000	-20.00000	99.75000
0.00000	0.00000	-0.04591	1	1506	-38.00000	-20.00000	99.75000
0.00000	0.00000	-0.05274	1	1507	-37.00000	-20.00000	99.75000
0.00000	0.00000	-0.05984	1	1508	-36.00000	-20.00000	99.75000
0.00000	0.00000	-0.06718	1	1509	-35.00000	-20.00000	99.75000
0.00000	0.00000	-0.07471	1	1510	-34.00000	-20.00000	99.75000
0.00000	0.00000	-0.08238	1	1511	-33.00000	-20.00000	99.75000
0.00000	0.00000	-0.09013	1	1512	-32.00000	-20.00000	99.75000
0.00000	0.00000	-0.09789	1	1513	-31.00000	-20.00000	99.75000
0.00000	0.00000	-0.10559	1	1514	-30.00000	-20.00000	99.75000
0.00000	0.00000	-0.11316	1	1515	-29.00000	-20.00000	99.75000
0.00000	0.00000	-0.12052	1	1516	-28.00000	-20.00000	99.75000
0.00000	0.00000	-0.12759	1	1517	-27.00000	-20.00000	99.75000
0.00000	0.00000	-0.13429	1	1518	-26.00000	-20.00000	99.75000
0.00000	0.00000	-0.14056	1	1519	-25.00000	-20.00000	99.75000
0.00000	0.00000	-0.14632	1	1520	-24.00000	-20.00000	99.75000
0.00000	0.00000	-0.15151	1	1521	-23.00000	-20.00000	99.75000
0.00000	0.00000	-0.15607	1	1522	-22.00000	-20.00000	99.75000
0.00000	0.00000	-0.15995	1	1523	-21.00000	-20.00000	99.75000
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0.00000	0.00000	-0.16718	1	1526	-18.00000	-20.00000	99.75000
0.00000	0.00000	-0.16803	1	1527	-17.00000	-20.00000	99.75000
0.00000	0.00000	-0.16807	1	1528	-16.00000	-20.00000	99.75000
0.00000	0.00000	-0.16731	1	1529	-15.00000	-20.00000	99.75000
0.00000	0.00000	-0.16575	1	1530	-14.00000	-20.00000	99.75000
0.00000	0.00000	-0.16341	1	1531	-13.00000	-20.00000	99.75000
0.00000	0.00000	-0.16030	1	1532	-12.00000	-20.00000	99.75000
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0.00000	0.00000	-0.15193	1	1534	-10.00000	-20.00000	99.75000
0.00000	0.00000	-0.14676	1	1535	-9.00000	-20.00000	99.75000
0.00000	0.00000	-0.14100	1	1536	-8.00000	-20.00000	99.75000
0.00000	0.00000	-0.13472	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.12799	1	1537	-7.00000	-20.00000	99.75000
0.00000	0.00000	-0.12088	1	1538	-6.00000	-20.00000	99.75000
0.00000	0.00000	-0.11348	1	1539	-5.00000	-20.00000	99.75000
0.00000	0.00000	-0.10587	1	1540	-4.00000	-20.00000	99.75000
0.00000	0.00000	-0.09812	1	1541	-3.00000	-20.00000	99.75000
0.00000	0.00000	-0.09032	1	1542	-2.00000	-20.00000	99.75000
0.00000	0.00000	-0.08254	1	1543	-1.00000	-20.00000	99.75000
0.00000	0.00000	-0.07485	1	1544	0.00000	-20.00000	99.75000
0.00000	0.00000	-0.06730	1	1545	1.00000	-20.00000	99.75000
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0.00000	0.00000	-0.05285	1	1547	3.00000	-20.00000	99.75000
0.00000	0.00000	-0.04602	1	1548	4.00000	-20.00000	99.75000
0.00000	0.00000	-0.03949	1	1549	5.00000	-20.00000	99.75000
0.00000	0.00000	-0.04734	1	1550	-40.00000	-19.00000	99.75000
0.00000	0.00000	-0.05475	1	1551	-39.00000	-19.00000	99.75000
0.00000	0.00000	-0.06252	1	1552	-38.00000	-19.00000	99.75000
0.00000	0.00000	-0.07063	1	1553	-37.00000	-19.00000	99.75000
0.00000	0.00000	-0.07904	1	1554	-36.00000	-19.00000	99.75000
0.00000	0.00000	-0.08769	1	1555	-35.00000	-19.00000	99.75000
0.00000	0.00000	-0.09652	1	1556	-34.00000	-19.00000	99.75000
0.00000	0.00000	-0.10547	1	1557	-33.00000	-19.00000	99.75000
0.00000	0.00000	-0.11445	1	1558	-32.00000	-19.00000	99.75000
0.00000	0.00000	-0.12338	1	1559	-31.00000	-19.00000	99.75000
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0.00000	0.00000	-0.14072	1	1561	-29.00000	-19.00000	99.75000
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0.00000	0.00000	-0.17076	1	1565	-25.00000	-19.00000	99.75000
0.00000	0.00000	-0.17680	1	1566	-24.00000	-19.00000	99.75000
0.00000	0.00000	-0.18211	1	1567	-23.00000	-19.00000	99.75000
0.00000	0.00000	-0.18664	1	1568	-22.00000	-19.00000	99.75000
0.00000	0.00000	-0.19032	1	1569	-21.00000	-19.00000	99.75000
0.00000	0.00000	-0.19314	1	1570	-20.00000	-19.00000	99.75000
0.00000	0.00000	-0.19505	1	1571	-19.00000	-19.00000	99.75000
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0.00000	0.00000	-0.19609	1	1573	-17.00000	-19.00000	99.75000
0.00000	0.00000	-0.19520	1	1574	-16.00000	-19.00000	99.75000
				1575	-15.00000	-19.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.19339	1	1576	-14.00000	-19.00000	99.75000
0.00000	0.00000	-0.19066	1	1577	-13.00000	-19.00000	99.75000
0.00000	0.00000	-0.18704	1	1578	-12.00000	-19.00000	99.75000
0.00000	0.00000	-0.18257	1	1579	-11.00000	-19.00000	99.75000
0.00000	0.00000	-0.17729	1	1580	-10.00000	-19.00000	99.75000
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0.00000	0.00000	-0.16454	1	1582	-8.00000	-19.00000	99.75000
0.00000	0.00000	-0.15722	1	1583	-7.00000	-19.00000	99.75000
0.00000	0.00000	-0.14937	1	1584	-6.00000	-19.00000	99.75000
0.00000	0.00000	-0.14109	1	1585	-5.00000	-19.00000	99.75000
0.00000	0.00000	-0.13247	1	1586	-4.00000	-19.00000	99.75000
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0.00000	0.00000	-0.07069	1	1593	3.00000	-19.00000	99.75000
0.00000	0.00000	-0.06259	1	1594	4.00000	-19.00000	99.75000
0.00000	0.00000	-0.05483	1	1595	5.00000	-19.00000	99.75000
0.00000	0.00000	-0.04743	1	1596	-40.00000	-18.00000	99.75000
0.00000	0.00000	-0.05599	1	1597	-39.00000	-18.00000	99.75000
0.00000	0.00000	-0.06440	1	1598	-38.00000	-18.00000	99.75000
0.00000	0.00000	-0.07325	1	1599	-37.00000	-18.00000	99.75000
0.00000	0.00000	-0.08251	1	1600	-36.00000	-18.00000	99.75000
0.00000	0.00000	-0.09215	1	1601	-35.00000	-18.00000	99.75000
0.00000	0.00000	-0.10210	1	1602	-34.00000	-18.00000	99.75000
0.00000	0.00000	-0.11230	1	1603	-33.00000	-18.00000	99.75000
0.00000	0.00000	-0.12265	1	1604	-32.00000	-18.00000	99.75000
0.00000	0.00000	-0.13307	1	1605	-31.00000	-18.00000	99.75000
0.00000	0.00000	-0.14345	1	1606	-30.00000	-18.00000	99.75000
0.00000	0.00000	-0.15368	1	1607	-29.00000	-18.00000	99.75000
0.00000	0.00000	-0.16365	1	1608	-28.00000	-18.00000	99.75000
0.00000	0.00000	-0.17325	1	1609	-27.00000	-18.00000	99.75000
0.00000	0.00000	-0.18236	1	1610	-26.00000	-18.00000	99.75000
0.00000	0.00000	-0.19088	1	1611	-25.00000	-18.00000	99.75000
0.00000	0.00000	-0.19871	1	1612	-24.00000	-18.00000	99.75000
0.00000	0.00000	-0.20576	1	1613	-23.00000	-18.00000	99.75000
0.00000	0.00000	-0.21196	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.21724	1	1614	-22.00000	-18.00000	99.75000
0.00000	0.00000	-0.22153	1	1615	-21.00000	-18.00000	99.75000
0.00000	0.00000	-0.22481	1	1616	-20.00000	-18.00000	99.75000
0.00000	0.00000	-0.22704	1	1617	-19.00000	-18.00000	99.75000
0.00000	0.00000	-0.22819	1	1618	-18.00000	-18.00000	99.75000
0.00000	0.00000	-0.22825	1	1619	-17.00000	-18.00000	99.75000
0.00000	0.00000	-0.22722	1	1620	-16.00000	-18.00000	99.75000
0.00000	0.00000	-0.22510	1	1621	-15.00000	-18.00000	99.75000
0.00000	0.00000	-0.22192	1	1622	-14.00000	-18.00000	99.75000
0.00000	0.00000	-0.21770	1	1623	-13.00000	-18.00000	99.75000
0.00000	0.00000	-0.21249	1	1624	-12.00000	-18.00000	99.75000
0.00000	0.00000	-0.20632	1	1625	-11.00000	-18.00000	99.75000
0.00000	0.00000	-0.19927	1	1626	-10.00000	-18.00000	99.75000
0.00000	0.00000	-0.19142	1	1627	-9.00000	-18.00000	99.75000
0.00000	0.00000	-0.18286	1	1628	-8.00000	-18.00000	99.75000
0.00000	0.00000	-0.17368	1	1629	-7.00000	-18.00000	99.75000
0.00000	0.00000	-0.16400	1	1630	-6.00000	-18.00000	99.75000
0.00000	0.00000	-0.15394	1	1631	-5.00000	-18.00000	99.75000
0.00000	0.00000	-0.14363	1	1632	-4.00000	-18.00000	99.75000
0.00000	0.00000	-0.13317	1	1633	-3.00000	-18.00000	99.75000
0.00000	0.00000	-0.12269	1	1634	-2.00000	-18.00000	99.75000
0.00000	0.00000	-0.11229	1	1635	-1.00000	-18.00000	99.75000
0.00000	0.00000	-0.10207	1	1636	0.00000	-18.00000	99.75000
0.00000	0.00000	-0.09211	1	1637	1.00000	-18.00000	99.75000
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0.00000	0.00000	-0.07323	1	1639	3.00000	-18.00000	99.75000
0.00000	0.00000	-0.06441	1	1640	4.00000	-18.00000	99.75000
0.00000	0.00000	-0.05604	1	1641	5.00000	-18.00000	99.75000
0.00000	0.00000	-0.06537	1	1642	-40.00000	-17.00000	99.75000
0.00000	0.00000	-0.07490	1	1643	-39.00000	-17.00000	99.75000
0.00000	0.00000	-0.08498	1	1644	-38.00000	-17.00000	99.75000
0.00000	0.00000	-0.09558	1	1645	-37.00000	-17.00000	99.75000
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0.00000	0.00000	-0.14193	1	1649	-33.00000	-17.00000	99.75000
0.00000	0.00000	-0.15405	1	1650	-32.00000	-17.00000	99.75000
0.00000	0.00000	-0.16616	1	1651	-31.00000	-17.00000	99.75000
				1652	-30.00000	-17.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.17811	1	1653	-29.00000	-17.00000	99.75000
0.00000	0.00000	-0.18977	1	1654	-28.00000	-17.00000	99.75000
0.00000	0.00000	-0.20100	1	1655	-27.00000	-17.00000	99.75000
0.00000	0.00000	-0.21167	1	1656	-26.00000	-17.00000	99.75000
0.00000	0.00000	-0.22164	1	1657	-25.00000	-17.00000	99.75000
0.00000	0.00000	-0.23081	1	1658	-24.00000	-17.00000	99.75000
0.00000	0.00000	-0.23906	1	1659	-23.00000	-17.00000	99.75000
0.00000	0.00000	-0.24630	1	1660	-22.00000	-17.00000	99.75000
0.00000	0.00000	-0.25246	1	1661	-21.00000	-17.00000	99.75000
0.00000	0.00000	-0.25748	1	1662	-20.00000	-17.00000	99.75000
0.00000	0.00000	-0.26130	1	1663	-19.00000	-17.00000	99.75000
0.00000	0.00000	-0.26389	1	1664	-18.00000	-17.00000	99.75000
0.00000	0.00000	-0.26523	1	1665	-17.00000	-17.00000	99.75000
0.00000	0.00000	-0.26530	1	1666	-16.00000	-17.00000	99.75000
0.00000	0.00000	-0.26410	1	1667	-15.00000	-17.00000	99.75000
0.00000	0.00000	-0.26163	1	1668	-14.00000	-17.00000	99.75000
0.00000	0.00000	-0.25793	1	1669	-13.00000	-17.00000	99.75000
0.00000	0.00000	-0.25300	1	1670	-12.00000	-17.00000	99.75000
0.00000	0.00000	-0.24690	1	1671	-11.00000	-17.00000	99.75000
0.00000	0.00000	-0.23969	1	1672	-10.00000	-17.00000	99.75000
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0.00000	0.00000	-0.20142	1	1676	-6.00000	-17.00000	99.75000
0.00000	0.00000	-0.19007	1	1677	-5.00000	-17.00000	99.75000
0.00000	0.00000	-0.17828	1	1678	-4.00000	-17.00000	99.75000
0.00000	0.00000	-0.16622	1	1679	-3.00000	-17.00000	99.75000
0.00000	0.00000	-0.15401	1	1680	-2.00000	-17.00000	99.75000
0.00000	0.00000	-0.14181	1	1681	-1.00000	-17.00000	99.75000
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0.00000	0.00000	-0.11793	1	1683	1.00000	-17.00000	99.75000
0.00000	0.00000	-0.10646	1	1684	2.00000	-17.00000	99.75000
0.00000	0.00000	-0.09542	1	1685	3.00000	-17.00000	99.75000
0.00000	0.00000	-0.08486	1	1686	4.00000	-17.00000	99.75000
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0.00000	0.00000	-0.07549	1	1689	-39.00000	-16.00000	99.75000
0.00000	0.00000	-0.08631	1	1690	-38.00000	-16.00000	99.75000
0.00000	0.00000	-0.09781	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.10995	1	1691	-37.00000	-16.00000	99.75000
0.00000	0.00000	-0.12269	1	1692	-36.00000	-16.00000	99.75000
0.00000	0.00000	-0.13595	1	1693	-35.00000	-16.00000	99.75000
0.00000	0.00000	-0.14964	1	1694	-34.00000	-16.00000	99.75000
0.00000	0.00000	-0.16362	1	1695	-33.00000	-16.00000	99.75000
0.00000	0.00000	-0.17777	1	1696	-32.00000	-16.00000	99.75000
0.00000	0.00000	-0.19194	1	1697	-31.00000	-16.00000	99.75000
0.00000	0.00000	-0.20595	1	1698	-30.00000	-16.00000	99.75000
0.00000	0.00000	-0.21963	1	1699	-29.00000	-16.00000	99.75000
0.00000	0.00000	-0.23282	1	1700	-28.00000	-16.00000	99.75000
0.00000	0.00000	-0.24535	1	1701	-27.00000	-16.00000	99.75000
0.00000	0.00000	-0.25707	1	1702	-26.00000	-16.00000	99.75000
0.00000	0.00000	-0.26782	1	1703	-25.00000	-16.00000	99.75000
0.00000	0.00000	-0.27749	1	1704	-24.00000	-16.00000	99.75000
0.00000	0.00000	-0.28597	1	1705	-23.00000	-16.00000	99.75000
0.00000	0.00000	-0.29318	1	1706	-22.00000	-16.00000	99.75000
0.00000	0.00000	-0.29904	1	1707	-21.00000	-16.00000	99.75000
0.00000	0.00000	-0.30350	1	1708	-20.00000	-16.00000	99.75000
0.00000	0.00000	-0.30652	1	1709	-19.00000	-16.00000	99.75000
0.00000	0.00000	-0.30808	1	1710	-18.00000	-16.00000	99.75000
0.00000	0.00000	-0.30816	1	1711	-17.00000	-16.00000	99.75000
0.00000	0.00000	-0.30676	1	1712	-16.00000	-16.00000	99.75000
0.00000	0.00000	-0.30389	1	1713	-15.00000	-16.00000	99.75000
0.00000	0.00000	-0.29956	1	1714	-14.00000	-16.00000	99.75000
0.00000	0.00000	-0.29380	1	1715	-13.00000	-16.00000	99.75000
0.00000	0.00000	-0.28666	1	1716	-12.00000	-16.00000	99.75000
0.00000	0.00000	-0.27821	1	1717	-11.00000	-16.00000	99.75000
0.00000	0.00000	-0.26852	1	1718	-10.00000	-16.00000	99.75000
0.00000	0.00000	-0.25770	1	1719	-9.00000	-16.00000	99.75000
0.00000	0.00000	-0.24587	1	1720	-8.00000	-16.00000	99.75000
0.00000	0.00000	-0.23320	1	1721	-7.00000	-16.00000	99.75000
0.00000	0.00000	-0.21983	1	1722	-6.00000	-16.00000	99.75000
0.00000	0.00000	-0.20597	1	1723	-5.00000	-16.00000	99.75000
0.00000	0.00000	-0.19180	1	1724	-4.00000	-16.00000	99.75000
0.00000	0.00000	-0.17750	1	1725	-3.00000	-16.00000	99.75000
0.00000	0.00000	-0.16325	1	1726	-2.00000	-16.00000	99.75000
0.00000	0.00000	-0.14921	1	1728	-1.00000	-16.00000	99.75000
0.00000	0.00000	-0.13551	1	1729	1.00000	-16.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.12228	1	1730	2.00000	-16.00000	99.75000
0.00000	0.00000	-0.10959	1	1731	3.00000	-16.00000	99.75000
0.00000	0.00000	-0.09752	1	1732	4.00000	-16.00000	99.75000
0.00000	0.00000	-0.08610	1	1733	5.00000	-16.00000	99.75000
0.00000	0.00000	-0.07537	1	1734	-40.00000	-15.00000	99.75000
0.00000	0.00000	-0.08641	1	1735	-39.00000	-15.00000	99.75000
0.00000	0.00000	-0.09869	1	1736	-38.00000	-15.00000	99.75000
0.00000	0.00000	-0.11181	1	1737	-37.00000	-15.00000	99.75000
0.00000	0.00000	-0.12575	1	1738	-36.00000	-15.00000	99.75000
0.00000	0.00000	-0.14044	1	1739	-35.00000	-15.00000	99.75000
0.00000	0.00000	-0.15581	1	1740	-34.00000	-15.00000	99.75000
0.00000	0.00000	-0.17174	1	1741	-33.00000	-15.00000	99.75000
0.00000	0.00000	-0.18808	1	1742	-32.00000	-15.00000	99.75000
0.00000	0.00000	-0.20467	1	1743	-31.00000	-15.00000	99.75000
0.00000	0.00000	-0.22132	1	1744	-30.00000	-15.00000	99.75000
0.00000	0.00000	-0.23781	1	1745	-29.00000	-15.00000	99.75000
0.00000	0.00000	-0.25394	1	1746	-28.00000	-15.00000	99.75000
0.00000	0.00000	-0.26950	1	1747	-27.00000	-15.00000	99.75000
0.00000	0.00000	-0.28427	1	1748	-26.00000	-15.00000	99.75000
0.00000	0.00000	-0.29807	1	1749	-25.00000	-15.00000	99.75000
0.00000	0.00000	-0.31073	1	1750	-24.00000	-15.00000	99.75000
0.00000	0.00000	-0.32209	1	1751	-23.00000	-15.00000	99.75000
0.00000	0.00000	-0.33204	1	1752	-22.00000	-15.00000	99.75000
0.00000	0.00000	-0.34048	1	1753	-21.00000	-15.00000	99.75000
0.00000	0.00000	-0.34733	1	1754	-20.00000	-15.00000	99.75000
0.00000	0.00000	-0.35253	1	1755	-19.00000	-15.00000	99.75000
0.00000	0.00000	-0.35606	1	1756	-18.00000	-15.00000	99.75000
0.00000	0.00000	-0.35787	1	1757	-17.00000	-15.00000	99.75000
0.00000	0.00000	-0.35796	1	1758	-16.00000	-15.00000	99.75000
0.00000	0.00000	-0.35633	1	1759	-15.00000	-15.00000	99.75000
0.00000	0.00000	-0.35297	1	1760	-14.00000	-15.00000	99.75000
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0.00000	0.00000	-0.33283	1	1763	-11.00000	-15.00000	99.75000
0.00000	0.00000	-0.32290	1	1764	-10.00000	-15.00000	99.75000
0.00000	0.00000	-0.31149	1	1765	-9.00000	-15.00000	99.75000
0.00000	0.00000	-0.29873	1	1766	-8.00000	-15.00000	99.75000
0.00000	0.00000	-0.28476	1	1767	-7.00000	-15.00000	99.75000
0.00000	0.00000	-0.26977	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.25397	1	1768	-6.00000	-15.00000	99.75000
0.00000	0.00000	-0.23758	1	1769	-5.00000	-15.00000	99.75000
0.00000	0.00000	-0.22086	1	1770	-4.00000	-15.00000	99.75000
0.00000	0.00000	-0.20403	1	1771	-3.00000	-15.00000	99.75000
0.00000	0.00000	-0.18731	1	1772	-2.00000	-15.00000	99.75000
0.00000	0.00000	-0.17092	1	1773	-1.00000	-15.00000	99.75000
0.00000	0.00000	-0.15500	1	1774	0.00000	-15.00000	99.75000
0.00000	0.00000	-0.13969	1	1775	1.00000	-15.00000	99.75000
0.00000	0.00000	-0.12510	1	1776	2.00000	-15.00000	99.75000
0.00000	0.00000	-0.11129	1	1777	3.00000	-15.00000	99.75000
0.00000	0.00000	-0.09829	1	1778	4.00000	-15.00000	99.75000
0.00000	0.00000	-0.08614	1	1779	5.00000	-15.00000	99.75000
0.00000	0.00000	-0.09813	1	1780	-40.00000	-14.00000	99.75000
0.00000	0.00000	-0.11208	1	1781	-39.00000	-14.00000	99.75000
0.00000	0.00000	-0.12707	1	1782	-38.00000	-14.00000	99.75000
0.00000	0.00000	-0.14309	1	1783	-37.00000	-14.00000	99.75000
0.00000	0.00000	-0.16008	1	1784	-36.00000	-14.00000	99.75000
0.00000	0.00000	-0.17795	1	1785	-35.00000	-14.00000	99.75000
0.00000	0.00000	-0.19656	1	1786	-34.00000	-14.00000	99.75000
0.00000	0.00000	-0.21575	1	1787	-33.00000	-14.00000	99.75000
0.00000	0.00000	-0.23529	1	1788	-32.00000	-14.00000	99.75000
0.00000	0.00000	-0.25496	1	1789	-31.00000	-14.00000	99.75000
0.00000	0.00000	-0.27448	1	1790	-30.00000	-14.00000	99.75000
0.00000	0.00000	-0.29358	1	1791	-29.00000	-14.00000	99.75000
0.00000	0.00000	-0.31201	1	1792	-28.00000	-14.00000	99.75000
0.00000	0.00000	-0.32950	1	1793	-27.00000	-14.00000	99.75000
0.00000	0.00000	-0.34582	1	1794	-26.00000	-14.00000	99.75000
0.00000	0.00000	-0.36076	1	1795	-25.00000	-14.00000	99.75000
0.00000	0.00000	-0.37415	1	1796	-24.00000	-14.00000	99.75000
0.00000	0.00000	-0.38585	1	1797	-23.00000	-14.00000	99.75000
0.00000	0.00000	-0.39574	1	1798	-22.00000	-14.00000	99.75000
0.00000	0.00000	-0.40375	1	1799	-21.00000	-14.00000	99.75000
0.00000	0.00000	-0.40982	1	1800	-20.00000	-14.00000	99.75000
0.00000	0.00000	-0.41391	1	1801	-19.00000	-14.00000	99.75000
0.00000	0.00000	-0.41602	1	1802	-18.00000	-14.00000	99.75000
0.00000	0.00000	-0.41612	1	1803	-17.00000	-14.00000	99.75000
0.00000	0.00000	-0.41422	1	1804	-16.00000	-14.00000	99.75000
0.00000	0.00000	-0.41030	1	1805	-15.00000	-14.00000	99.75000
				1806	-14.00000	-14.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
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0.00000	0.00000	-0.39653	1	1807	-13.00000	-14.00000
0.00000	0.00000	-0.38672	1	1808	-12.00000	-14.00000
0.00000	0.00000	-0.37505	1	1809	-11.00000	-14.00000
0.00000	0.00000	-0.36160	1	1810	-10.00000	-14.00000
0.00000	0.00000	-0.34650	1	1811	-9.00000	-14.00000
0.00000	0.00000	-0.32993	1	1812	-8.00000	-14.00000
0.00000	0.00000	-0.31211	1	1813	-7.00000	-14.00000
0.00000	0.00000	-0.29332	1	1814	-6.00000	-14.00000
0.00000	0.00000	-0.27384	1	1815	-5.00000	-14.00000
0.00000	0.00000	-0.25399	1	1816	-4.00000	-14.00000
0.00000	0.00000	-0.23408	1	1817	-3.00000	-14.00000
0.00000	0.00000	-0.21439	1	1818	-2.00000	-14.00000
0.00000	0.00000	-0.19516	1	1819	-1.00000	-14.00000
0.00000	0.00000	-0.17660	1	1820	0.00000	-14.00000
0.00000	0.00000	-0.15885	1	1821	1.00000	-14.00000
0.00000	0.00000	-0.14204	1	1822	2.00000	-14.00000
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0.00000	0.00000	-0.09768	1	1825	5.00000	-14.00000
0.00000	0.00000	-0.11066	1	1826	-40.00000	-13.00000
0.00000	0.00000	-0.12651	1	1827	-39.00000	-13.00000
0.00000	0.00000	-0.14366	1	1828	-38.00000	-13.00000
0.00000	0.00000	-0.16211	1	1829	-37.00000	-13.00000
0.00000	0.00000	-0.18181	1	1830	-36.00000	-13.00000
0.00000	0.00000	-0.20267	1	1831	-35.00000	-13.00000
0.00000	0.00000	-0.22452	1	1832	-34.00000	-13.00000
0.00000	0.00000	-0.24717	1	1833	-33.00000	-13.00000
0.00000	0.00000	-0.27033	1	1834	-32.00000	-13.00000
0.00000	0.00000	-0.29369	1	1835	-31.00000	-13.00000
0.00000	0.00000	-0.31693	1	1836	-30.00000	-13.00000
0.00000	0.00000	-0.33969	1	1837	-29.00000	-13.00000
0.00000	0.00000	-0.36163	1	1838	-28.00000	-13.00000
0.00000	0.00000	-0.38244	1	1839	-27.00000	-13.00000
0.00000	0.00000	-0.40182	1	1840	-26.00000	-13.00000
0.00000	0.00000	-0.41953	1	1841	-25.00000	-13.00000
0.00000	0.00000	-0.43535	1	1842	-24.00000	-13.00000
0.00000	0.00000	-0.44912	1	1843	-23.00000	-13.00000
0.00000	0.00000	-0.46072	1	1844	-22.00000	-13.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.47007	1	1845	-21.00000	-13.00000	99.75000
0.00000	0.00000	-0.47714	1	1846	-20.00000	-13.00000	99.75000
0.00000	0.00000	-0.48189	1	1847	-19.00000	-13.00000	99.75000
0.00000	0.00000	-0.48433	1	1848	-18.00000	-13.00000	99.75000
0.00000	0.00000	-0.48443	1	1849	-17.00000	-13.00000	99.75000
0.00000	0.00000	-0.48221	1	1850	-16.00000	-13.00000	99.75000
0.00000	0.00000	-0.47765	1	1851	-15.00000	-13.00000	99.75000
0.00000	0.00000	-0.47077	1	1852	-14.00000	-13.00000	99.75000
0.00000	0.00000	-0.46156	1	1853	-13.00000	-13.00000	99.75000
0.00000	0.00000	-0.45007	1	1854	-12.00000	-13.00000	99.75000
0.00000	0.00000	-0.43633	1	1855	-11.00000	-13.00000	99.75000
0.00000	0.00000	-0.42043	1	1856	-10.00000	-13.00000	99.75000
0.00000	0.00000	-0.40250	1	1857	-9.00000	-13.00000	99.75000
0.00000	0.00000	-0.38275	1	1858	-8.00000	-13.00000	99.75000
0.00000	0.00000	-0.36146	1	1859	-7.00000	-13.00000	99.75000
0.00000	0.00000	-0.33896	1	1860	-6.00000	-13.00000	99.75000
0.00000	0.00000	-0.31565	1	1861	-5.00000	-13.00000	99.75000
0.00000	0.00000	-0.29194	1	1862	-4.00000	-13.00000	99.75000
0.00000	0.00000	-0.26823	1	1863	-3.00000	-13.00000	99.75000
0.00000	0.00000	-0.24490	1	1864	-2.00000	-13.00000	99.75000
0.00000	0.00000	-0.22225	1	1865	-1.00000	-13.00000	99.75000
0.00000	0.00000	-0.20053	1	1866	0.00000	-13.00000	99.75000
0.00000	0.00000	-0.17991	1	1867	1.00000	-13.00000	99.75000
0.00000	0.00000	-0.16050	1	1868	2.00000	-13.00000	99.75000
0.00000	0.00000	-0.14237	1	1869	3.00000	-13.00000	99.75000
0.00000	0.00000	-0.12553	1	1870	4.00000	-13.00000	99.75000
0.00000	0.00000	-0.10997	1	1871	5.00000	-13.00000	99.75000
0.00000	0.00000	-0.12401	1	1872	-40.00000	-12.00000	99.75000
0.00000	0.00000	-0.14201	1	1873	-39.00000	-12.00000	99.75000
0.00000	0.00000	-0.16165	1	1874	-38.00000	-12.00000	99.75000
0.00000	0.00000	-0.18294	1	1875	-37.00000	-12.00000	99.75000
0.00000	0.00000	-0.20586	1	1876	-36.00000	-12.00000	99.75000
0.00000	0.00000	-0.23031	1	1877	-35.00000	-12.00000	99.75000
0.00000	0.00000	-0.25611	1	1878	-34.00000	-12.00000	99.75000
0.00000	0.00000	-0.28301	1	1879	-33.00000	-12.00000	99.75000
0.00000	0.00000	-0.31064	1	1880	-32.00000	-12.00000	99.75000
0.00000	0.00000	-0.33861	1	1881	-31.00000	-12.00000	99.75000
0.00000	0.00000	-0.36647	1	1882	-30.00000	-12.00000	99.75000
				1883	-29.00000	-12.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x
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			1884	-28.00000	-12.00000	99.75000	
0.00000	0.00000	-0.42005	1				
			1885	-27.00000	-12.00000	99.75000	
0.00000	0.00000	-0.44495	1				
			1886	-26.00000	-12.00000	99.75000	
0.00000	0.00000	-0.46808	1				
			1887	-25.00000	-12.00000	99.75000	
0.00000	0.00000	-0.48915	1				
			1888	-24.00000	-12.00000	99.75000	
0.00000	0.00000	-0.50788	1				
			1889	-23.00000	-12.00000	99.75000	
0.00000	0.00000	-0.52411	1				
			1890	-22.00000	-12.00000	99.75000	
0.00000	0.00000	-0.53770	1				
			1891	-21.00000	-12.00000	99.75000	
0.00000	0.00000	-0.54861	1				
			1892	-20.00000	-12.00000	99.75000	
0.00000	0.00000	-0.55680	1				
			1893	-19.00000	-12.00000	99.75000	
0.00000	0.00000	-0.56230	1				
			1894	-18.00000	-12.00000	99.75000	
0.00000	0.00000	-0.56509	1				
			1895	-17.00000	-12.00000	99.75000	
0.00000	0.00000	-0.56520	1				
			1896	-16.00000	-12.00000	99.75000	
0.00000	0.00000	-0.56260	1				
			1897	-15.00000	-12.00000	99.75000	
0.00000	0.00000	-0.55730	1				
			1898	-14.00000	-12.00000	99.75000	
0.00000	0.00000	-0.54929	1				
			1899	-13.00000	-12.00000	99.75000	
0.00000	0.00000	-0.53855	1				
			1900	-12.00000	-12.00000	99.75000	
0.00000	0.00000	-0.52509	1				
			1901	-11.00000	-12.00000	99.75000	
0.00000	0.00000	-0.50892	1				
			1902	-10.00000	-12.00000	99.75000	
0.00000	0.00000	-0.49009	1				
			1903	-9.00000	-12.00000	99.75000	
0.00000	0.00000	-0.46874	1				
			1904	-8.00000	-12.00000	99.75000	
0.00000	0.00000	-0.44508	1				
			1905	-7.00000	-12.00000	99.75000	
0.00000	0.00000	-0.41946	1				
			1906	-6.00000	-12.00000	99.75000	
0.00000	0.00000	-0.39231	1				
			1907	-5.00000	-12.00000	99.75000	
0.00000	0.00000	-0.36417	1				
			1908	-4.00000	-12.00000	99.75000	
0.00000	0.00000	-0.33561	1				
			1909	-3.00000	-12.00000	99.75000	
0.00000	0.00000	-0.30718	1				
			1910	-2.00000	-12.00000	99.75000	
0.00000	0.00000	-0.27936	1				
			1911	-1.00000	-12.00000	99.75000	
0.00000	0.00000	-0.25255	1				
			1912	0.00000	-12.00000	99.75000	
0.00000	0.00000	-0.22703	1				
			1913	1.00000	-12.00000	99.75000	
0.00000	0.00000	-0.20299	1				
			1914	2.00000	-12.00000	99.75000	
0.00000	0.00000	-0.18056	1				
			1915	3.00000	-12.00000	99.75000	
0.00000	0.00000	-0.15976	1				
			1916	4.00000	-12.00000	99.75000	
0.00000	0.00000	-0.14059	1				
			1917	5.00000	-12.00000	99.75000	
0.00000	0.00000	-0.12301	1				
			1918	-40.00000	-11.00000	99.75000	
0.00000	0.00000	-0.13812	1				
			1919	-39.00000	-11.00000	99.75000	
0.00000	0.00000	-0.15857	1				
			1920	-38.00000	-11.00000	99.75000	
0.00000	0.00000	-0.18106	1				
			1921	-37.00000	-11.00000	99.75000	
0.00000	0.00000	-0.20569	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.23244	1	1922	-36.00000	-11.00000	99.75000
0.00000	0.00000	-0.26126	1	1923	-35.00000	-11.00000	99.75000
0.00000	0.00000	-0.29193	1	1924	-34.00000	-11.00000	99.75000
0.00000	0.00000	-0.32413	1	1925	-33.00000	-11.00000	99.75000
0.00000	0.00000	-0.35739	1	1926	-32.00000	-11.00000	99.75000
0.00000	0.00000	-0.39117	1	1927	-31.00000	-11.00000	99.75000
0.00000	0.00000	-0.42485	1	1928	-30.00000	-11.00000	99.75000
0.00000	0.00000	-0.45783	1	1929	-29.00000	-11.00000	99.75000
0.00000	0.00000	-0.48957	1	1930	-28.00000	-11.00000	99.75000
0.00000	0.00000	-0.51954	1	1931	-27.00000	-11.00000	99.75000
0.00000	0.00000	-0.54730	1	1932	-26.00000	-11.00000	99.75000
0.00000	0.00000	-0.57246	1	1933	-25.00000	-11.00000	99.75000
0.00000	0.00000	-0.59470	1	1934	-24.00000	-11.00000	99.75000
0.00000	0.00000	-0.61383	1	1935	-23.00000	-11.00000	99.75000
0.00000	0.00000	-0.62973	1	1936	-22.00000	-11.00000	99.75000
0.00000	0.00000	-0.64239	1	1937	-21.00000	-11.00000	99.75000
0.00000	0.00000	-0.65184	1	1938	-20.00000	-11.00000	99.75000
0.00000	0.00000	-0.65813	1	1939	-19.00000	-11.00000	99.75000
0.00000	0.00000	-0.66131	1	1940	-18.00000	-11.00000	99.75000
0.00000	0.00000	-0.66139	1	1941	-17.00000	-11.00000	99.75000
0.00000	0.00000	-0.65837	1	1942	-16.00000	-11.00000	99.75000
0.00000	0.00000	-0.65223	1	1943	-15.00000	-11.00000	99.75000
0.00000	0.00000	-0.64294	1	1944	-14.00000	-11.00000	99.75000
0.00000	0.00000	-0.63045	1	1945	-13.00000	-11.00000	99.75000
0.00000	0.00000	-0.61473	1	1946	-12.00000	-11.00000	99.75000
0.00000	0.00000	-0.59573	1	1947	-11.00000	-11.00000	99.75000
0.00000	0.00000	-0.57344	1	1948	-10.00000	-11.00000	99.75000
0.00000	0.00000	-0.54793	1	1949	-9.00000	-11.00000	99.75000
0.00000	0.00000	-0.51942	1	1950	-8.00000	-11.00000	99.75000
0.00000	0.00000	-0.48833	1	1951	-7.00000	-11.00000	99.75000
0.00000	0.00000	-0.45524	1	1952	-6.00000	-11.00000	99.75000
0.00000	0.00000	-0.42093	1	1953	-5.00000	-11.00000	99.75000
0.00000	0.00000	-0.38618	1	1954	-4.00000	-11.00000	99.75000
0.00000	0.00000	-0.35178	1	1955	-3.00000	-11.00000	99.75000
0.00000	0.00000	-0.31836	1	1956	-2.00000	-11.00000	99.75000
0.00000	0.00000	-0.28643	1	1957	-1.00000	-11.00000	99.75000
0.00000	0.00000	-0.25632	1	1958	0.00000	-11.00000	99.75000
0.00000	0.00000	-0.22824	1	1959	1.00000	-11.00000	99.75000
				1960	2.00000	-11.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.20226	1	1961	3.00000	-11.00000	99.75000
0.00000	0.00000	-0.17840	1	1962	4.00000	-11.00000	99.75000
0.00000	0.00000	-0.15659	1	1963	5.00000	-11.00000	99.75000
0.00000	0.00000	-0.13674	1	1964	-40.00000	-10.00000	99.75000
0.00000	0.00000	-0.15293	1	1965	-39.00000	-10.00000	99.75000
0.00000	0.00000	-0.17613	1	1966	-38.00000	-10.00000	99.75000
0.00000	0.00000	-0.20191	1	1967	-37.00000	-10.00000	99.75000
0.00000	0.00000	-0.23043	1	1968	-36.00000	-10.00000	99.75000
0.00000	0.00000	-0.26179	1	1969	-35.00000	-10.00000	99.75000
0.00000	0.00000	-0.29595	1	1970	-34.00000	-10.00000	99.75000
0.00000	0.00000	-0.33270	1	1971	-33.00000	-10.00000	99.75000
0.00000	0.00000	-0.37164	1	1972	-32.00000	-10.00000	99.75000
0.00000	0.00000	-0.41213	1	1973	-31.00000	-10.00000	99.75000
0.00000	0.00000	-0.45337	1	1974	-30.00000	-10.00000	99.75000
0.00000	0.00000	-0.49452	1	1975	-29.00000	-10.00000	99.75000
0.00000	0.00000	-0.53476	1	1976	-28.00000	-10.00000	99.75000
0.00000	0.00000	-0.57336	1	1977	-27.00000	-10.00000	99.75000
0.00000	0.00000	-0.60971	1	1978	-26.00000	-10.00000	99.75000
0.00000	0.00000	-0.64322	1	1979	-25.00000	-10.00000	99.75000
0.00000	0.00000	-0.67342	1	1980	-24.00000	-10.00000	99.75000
0.00000	0.00000	-0.69990	1	1981	-23.00000	-10.00000	99.75000
0.00000	0.00000	-0.72243	1	1982	-22.00000	-10.00000	99.75000
0.00000	0.00000	-0.74094	1	1983	-21.00000	-10.00000	99.75000
0.00000	0.00000	-0.75550	1	1984	-20.00000	-10.00000	99.75000
0.00000	0.00000	-0.76626	1	1985	-19.00000	-10.00000	99.75000
0.00000	0.00000	-0.77338	1	1986	-18.00000	-10.00000	99.75000
0.00000	0.00000	-0.77693	1	1987	-17.00000	-10.00000	99.75000
0.00000	0.00000	-0.77696	1	1988	-16.00000	-10.00000	99.75000
0.00000	0.00000	-0.77345	1	1989	-15.00000	-10.00000	99.75000
0.00000	0.00000	-0.76637	1	1990	-14.00000	-10.00000	99.75000
0.00000	0.00000	-0.75566	1	1991	-13.00000	-10.00000	99.75000
0.00000	0.00000	-0.74124	1	1992	-12.00000	-10.00000	99.75000
0.00000	0.00000	-0.72299	1	1993	-11.00000	-10.00000	99.75000
0.00000	0.00000	-0.70077	1	1994	-10.00000	-10.00000	99.75000
0.00000	0.00000	-0.67442	1	1995	-9.00000	-10.00000	99.75000
0.00000	0.00000	-0.64389	1	1996	-8.00000	-10.00000	99.75000
0.00000	0.00000	-0.60933	1	1997	-7.00000	-10.00000	99.75000
0.00000	0.00000	-0.57121	1	1998	-6.00000	-10.00000	99.75000
0.00000	0.00000	-0.53038	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.48795	1	1999	-5.00000	-10.00000	99.75000
0.00000	0.00000	-0.44514	1	2000	-4.00000	-10.00000	99.75000
0.00000	0.00000	-0.40305	1	2001	-3.00000	-10.00000	99.75000
0.00000	0.00000	-0.36257	1	2002	-2.00000	-10.00000	99.75000
0.00000	0.00000	-0.32430	1	2003	-1.00000	-10.00000	99.75000
0.00000	0.00000	-0.28863	1	2004	0.00000	-10.00000	99.75000
0.00000	0.00000	-0.25573	1	2005	1.00000	-10.00000	99.75000
0.00000	0.00000	-0.22563	1	2006	2.00000	-10.00000	99.75000
0.00000	0.00000	-0.19826	1	2007	3.00000	-10.00000	99.75000
0.00000	0.00000	-0.17347	1	2008	4.00000	-10.00000	99.75000
0.00000	0.00000	-0.15110	1	2009	5.00000	-10.00000	99.75000
0.00000	0.00000	-0.16832	1	2010	-40.00000	-9.00000	99.75000
0.00000	0.00000	-0.19459	1	2011	-39.00000	-9.00000	99.75000
0.00000	0.00000	-0.22412	1	2012	-38.00000	-9.00000	99.75000
0.00000	0.00000	-0.25721	1	2013	-37.00000	-9.00000	99.75000
0.00000	0.00000	-0.29408	1	2014	-36.00000	-9.00000	99.75000
0.00000	0.00000	-0.33484	1	2015	-35.00000	-9.00000	99.75000
0.00000	0.00000	-0.37933	1	2016	-34.00000	-9.00000	99.75000
0.00000	0.00000	-0.42703	1	2017	-33.00000	-9.00000	99.75000
0.00000	0.00000	-0.47704	1	2018	-32.00000	-9.00000	99.75000
0.00000	0.00000	-0.52815	1	2019	-31.00000	-9.00000	99.75000
0.00000	0.00000	-0.57908	1	2020	-30.00000	-9.00000	99.75000
0.00000	0.00000	-0.62869	1	2021	-29.00000	-9.00000	99.75000
0.00000	0.00000	-0.67609	1	2022	-28.00000	-9.00000	99.75000
0.00000	0.00000	-0.72051	1	2023	-27.00000	-9.00000	99.75000
0.00000	0.00000	-0.76127	1	2024	-26.00000	-9.00000	99.75000
0.00000	0.00000	-0.79772	1	2025	-25.00000	-9.00000	99.75000
0.00000	0.00000	-0.82931	1	2026	-24.00000	-9.00000	99.75000
0.00000	0.00000	-0.85576	1	2027	-23.00000	-9.00000	99.75000
0.00000	0.00000	-0.87707	1	2028	-22.00000	-9.00000	99.75000
0.00000	0.00000	-0.89354	1	2029	-21.00000	-9.00000	99.75000
0.00000	0.00000	-0.90555	1	2030	-20.00000	-9.00000	99.75000
0.00000	0.00000	-0.91342	1	2031	-19.00000	-9.00000	99.75000
0.00000	0.00000	-0.91730	1	2032	-18.00000	-9.00000	99.75000
0.00000	0.00000	-0.91723	1	2033	-17.00000	-9.00000	99.75000
0.00000	0.00000	-0.91317	1	2034	-16.00000	-9.00000	99.75000
0.00000	0.00000	-0.90505	1	2035	-15.00000	-9.00000	99.75000
0.00000	0.00000	-0.89280	1	2036	-14.00000	-9.00000	99.75000
0.00000	0.00000		1	2037	-13.00000	-9.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.87631	1				
0.00000	0.00000	-0.85537	1	2038	-12.00000	-9.00000	99.75000
0.00000	0.00000	-0.82965	1	2039	-11.00000	-9.00000	99.75000
0.00000	0.00000	-0.79873	1	2040	-10.00000	-9.00000	99.75000
0.00000	0.00000	-0.76222	1	2041	-9.00000	-9.00000	99.75000
0.00000	0.00000	-0.72004	1	2042	-8.00000	-9.00000	99.75000
0.00000	0.00000	-0.67269	1	2043	-7.00000	-9.00000	99.75000
0.00000	0.00000	-0.62143	1	2044	-6.00000	-9.00000	99.75000
0.00000	0.00000	-0.56804	1	2045	-5.00000	-9.00000	99.75000
0.00000	0.00000	-0.51443	1	2046	-4.00000	-9.00000	99.75000
0.00000	0.00000	-0.46226	1	2047	-3.00000	-9.00000	99.75000
0.00000	0.00000	-0.41272	1	2048	-2.00000	-9.00000	99.75000
0.00000	0.00000	-0.36655	1	2049	-1.00000	-9.00000	99.75000
0.00000	0.00000	-0.32412	1	2050	0.00000	-9.00000	99.75000
0.00000	0.00000	-0.28551	1	2051	1.00000	-9.00000	99.75000
0.00000	0.00000	-0.25061	1	2052	2.00000	-9.00000	99.75000
0.00000	0.00000	-0.21924	1	2053	3.00000	-9.00000	99.75000
0.00000	0.00000	-0.19112	1	2054	4.00000	-9.00000	99.75000
0.00000	0.00000	-0.16598	1	2055	5.00000	-9.00000	99.75000
0.00000	0.00000	-0.18410	1	2056	-40.00000	-8.00000	99.75000
0.00000	0.00000	-0.21376	1	2057	-39.00000	-8.00000	99.75000
0.00000	0.00000	-0.24752	1	2058	-38.00000	-8.00000	99.75000
0.00000	0.00000	-0.28591	1	2059	-37.00000	-8.00000	99.75000
0.00000	0.00000	-0.32941	1	2060	-36.00000	-8.00000	99.75000
0.00000	0.00000	-0.37840	1	2061	-35.00000	-8.00000	99.75000
0.00000	0.00000	-0.43290	1	2062	-34.00000	-8.00000	99.75000
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0.00000	0.00000	-0.55542	1	2064	-32.00000	-8.00000	99.75000
0.00000	0.00000	-0.62005	1	2065	-31.00000	-8.00000	99.75000
0.00000	0.00000	-0.68414	1	2066	-30.00000	-8.00000	99.75000
0.00000	0.00000	-0.74608	1	2067	-29.00000	-8.00000	99.75000
0.00000	0.00000	-0.80483	1	2068	-28.00000	-8.00000	99.75000
0.00000	0.00000	-0.85959	1	2069	-27.00000	-8.00000	99.75000
0.00000	0.00000	-0.90959	1	2070	-26.00000	-8.00000	99.75000
0.00000	0.00000	-0.95391	1	2071	-25.00000	-8.00000	99.75000
0.00000	0.00000	-0.99169	1	2072	-24.00000	-8.00000	99.75000
0.00000	0.00000	-1.02247	1	2073	-23.00000	-8.00000	99.75000
0.00000	0.00000	-1.04645	1	2074	-22.00000	-8.00000	99.75000
0.00000	0.00000	-1.06442	1	2075	-21.00000	-8.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-1.07730	1	2076	-20.00000	-8.00000	99.75000
0.00000	0.00000	-1.08569	1	2077	-19.00000	-8.00000	99.75000
0.00000	0.00000	-1.08980	1	2078	-18.00000	-8.00000	99.75000
0.00000	0.00000	-1.08958	1	2079	-17.00000	-8.00000	99.75000
0.00000	0.00000	-1.08491	1	2080	-16.00000	-8.00000	99.75000
0.00000	0.00000	-1.07567	1	2081	-15.00000	-8.00000	99.75000
0.00000	0.00000	-1.06181	1	2082	-14.00000	-8.00000	99.75000
0.00000	0.00000	-1.04323	1	2083	-13.00000	-8.00000	99.75000
0.00000	0.00000	-1.01970	1	2084	-12.00000	-8.00000	99.75000
0.00000	0.00000	-0.99060	1	2085	-11.00000	-8.00000	99.75000
0.00000	0.00000	-0.95493	1	2086	-10.00000	-8.00000	99.75000
0.00000	0.00000	-0.91159	1	2087	-9.00000	-8.00000	99.75000
0.00000	0.00000	-0.85981	1	2088	-8.00000	-8.00000	99.75000
0.00000	0.00000	-0.79995	1	2089	-7.00000	-8.00000	99.75000
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0.00000	0.00000	-0.66510	1	2091	-5.00000	-8.00000	99.75000
0.00000	0.00000	-0.59655	1	2092	-4.00000	-8.00000	99.75000
0.00000	0.00000	-0.53085	1	2093	-3.00000	-8.00000	99.75000
0.00000	0.00000	-0.46958	1	2094	-2.00000	-8.00000	99.75000
0.00000	0.00000	-0.41351	1	2095	-1.00000	-8.00000	99.75000
0.00000	0.00000	-0.36286	1	2096	0.00000	-8.00000	99.75000
0.00000	0.00000	-0.31749	1	2097	1.00000	-8.00000	99.75000
0.00000	0.00000	-0.27707	1	2098	2.00000	-8.00000	99.75000
0.00000	0.00000	-0.24118	1	2099	3.00000	-8.00000	99.75000
0.00000	0.00000	-0.20938	1	2100	4.00000	-8.00000	99.75000
0.00000	0.00000	-0.18122	1	2101	5.00000	-8.00000	99.75000
0.00000	0.00000	-0.20002	1	2102	-40.00000	-7.00000	99.75000
0.00000	0.00000	-0.23335	1	2103	-39.00000	-7.00000	99.75000
0.00000	0.00000	-0.27180	1	2104	-38.00000	-7.00000	99.75000
0.00000	0.00000	-0.31625	1	2105	-37.00000	-7.00000	99.75000
0.00000	0.00000	-0.36765	1	2106	-36.00000	-7.00000	99.75000
0.00000	0.00000	-0.42692	1	2107	-35.00000	-7.00000	99.75000
0.00000	0.00000	-0.49467	1	2108	-34.00000	-7.00000	99.75000
0.00000	0.00000	-0.57061	1	2109	-33.00000	-7.00000	99.75000
0.00000	0.00000	-0.65265	1	2110	-32.00000	-7.00000	99.75000
0.00000	0.00000	-0.73688	1	2111	-31.00000	-7.00000	99.75000
0.00000	0.00000	-0.81935	1	2112	-30.00000	-7.00000	99.75000
0.00000	0.00000	-0.89774	1	2113	-29.00000	-7.00000	99.75000
				2114	-28.00000	-7.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.97119	1	2115	-27.00000	-7.00000	99.75000
0.00000	0.00000	-1.03931	1	2116	-26.00000	-7.00000	99.75000
0.00000	0.00000	-1.10129	1	2117	-25.00000	-7.00000	99.75000
0.00000	0.00000	-1.15575	1	2118	-24.00000	-7.00000	99.75000
0.00000	0.00000	-1.20104	1	2119	-23.00000	-7.00000	99.75000
0.00000	0.00000	-1.23616	1	2120	-22.00000	-7.00000	99.75000
0.00000	0.00000	-1.26164	1	2121	-21.00000	-7.00000	99.75000
0.00000	0.00000	-1.27963	1	2122	-20.00000	-7.00000	99.75000
0.00000	0.00000	-1.29233	1	2123	-19.00000	-7.00000	99.75000
0.00000	0.00000	-1.30076	1	2124	-18.00000	-7.00000	99.75000
0.00000	0.00000	-1.30493	1	2125	-17.00000	-7.00000	99.75000
0.00000	0.00000	-1.30453	1	2126	-16.00000	-7.00000	99.75000
0.00000	0.00000	-1.29921	1	2127	-15.00000	-7.00000	99.75000
0.00000	0.00000	-1.28879	1	2128	-14.00000	-7.00000	99.75000
0.00000	0.00000	-1.27329	1	2129	-13.00000	-7.00000	99.75000
0.00000	0.00000	-1.25285	1	2130	-12.00000	-7.00000	99.75000
0.00000	0.00000	-1.22743	1	2131	-11.00000	-7.00000	99.75000
0.00000	0.00000	-1.19612	1	2132	-10.00000	-7.00000	99.75000
0.00000	0.00000	-1.15675	1	2133	-9.00000	-7.00000	99.75000
0.00000	0.00000	-1.10651	1	2134	-8.00000	-7.00000	99.75000
0.00000	0.00000	-1.04287	1	2135	-7.00000	-7.00000	99.75000
0.00000	0.00000	-0.96518	1	2136	-6.00000	-7.00000	99.75000
0.00000	0.00000	-0.87696	1	2137	-5.00000	-7.00000	99.75000
0.00000	0.00000	-0.78480	1	2138	-4.00000	-7.00000	99.75000
0.00000	0.00000	-0.69471	1	2139	-3.00000	-7.00000	99.75000
0.00000	0.00000	-0.61045	1	2140	-2.00000	-7.00000	99.75000
0.00000	0.00000	-0.53383	1	2141	-1.00000	-7.00000	99.75000
0.00000	0.00000	-0.46534	1	2142	0.00000	-7.00000	99.75000
0.00000	0.00000	-0.40475	1	2143	1.00000	-7.00000	99.75000
0.00000	0.00000	-0.35146	1	2144	2.00000	-7.00000	99.75000
0.00000	0.00000	-0.30475	1	2145	3.00000	-7.00000	99.75000
0.00000	0.00000	-0.26383	1	2146	4.00000	-7.00000	99.75000
0.00000	0.00000	-0.22801	1	2147	5.00000	-7.00000	99.75000
0.00000	0.00000	-0.19661	1	2148	-40.00000	-6.00000	99.75000
0.00000	0.00000	-0.21575	1	2149	-39.00000	-6.00000	99.75000
0.00000	0.00000	-0.25294	1	2150	-38.00000	-6.00000	99.75000
0.00000	0.00000	-0.29647	1	2151	-37.00000	-6.00000	99.75000
0.00000	0.00000	-0.34769	1	2152	-36.00000	-6.00000	99.75000
0.00000	0.00000	-0.40827	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.48024	1	2153	-35.00000	-6.00000	99.75000
0.00000	0.00000	-0.56576	1	2154	-34.00000	-6.00000	99.75000
0.00000	0.00000	-0.66613	1	2155	-33.00000	-6.00000	99.75000
0.00000	0.00000	-0.77872	1	2156	-32.00000	-6.00000	99.75000
0.00000	0.00000	-0.89433	1	2157	-31.00000	-6.00000	99.75000
0.00000	0.00000	-1.00371	1	2158	-30.00000	-6.00000	99.75000
0.00000	0.00000	-1.10415	1	2159	-29.00000	-6.00000	99.75000
0.00000	0.00000	-1.19651	1	2160	-28.00000	-6.00000	99.75000
0.00000	0.00000	-1.28183	1	2161	-27.00000	-6.00000	99.75000
0.00000	0.00000	-1.35968	1	2162	-26.00000	-6.00000	99.75000
0.00000	0.00000	-1.42769	1	2163	-25.00000	-6.00000	99.75000
0.00000	0.00000	-1.48226	1	2164	-24.00000	-6.00000	99.75000
0.00000	0.00000	-1.52045	1	2165	-23.00000	-6.00000	99.75000
0.00000	0.00000	-1.54300	1	2166	-22.00000	-6.00000	99.75000
0.00000	0.00000	-1.55634	1	2167	-21.00000	-6.00000	99.75000
0.00000	0.00000	-1.56639	1	2168	-20.00000	-6.00000	99.75000
0.00000	0.00000	-1.57408	1	2169	-19.00000	-6.00000	99.75000
0.00000	0.00000	-1.57826	1	2170	-18.00000	-6.00000	99.75000
0.00000	0.00000	-1.57776	1	2171	-17.00000	-6.00000	99.75000
0.00000	0.00000	-1.57182	1	2172	-16.00000	-6.00000	99.75000
0.00000	0.00000	-1.56012	1	2173	-15.00000	-6.00000	99.75000
0.00000	0.00000	-1.54289	1	2174	-14.00000	-6.00000	99.75000
0.00000	0.00000	-1.52107	1	2175	-13.00000	-6.00000	99.75000
0.00000	0.00000	-1.49595	1	2176	-12.00000	-6.00000	99.75000
0.00000	0.00000	-1.46687	1	2177	-11.00000	-6.00000	99.75000
0.00000	0.00000	-1.42843	1	2178	-10.00000	-6.00000	99.75000
0.00000	0.00000	-1.37415	1	2179	-9.00000	-6.00000	99.75000
0.00000	0.00000	-1.29742	1	2180	-8.00000	-6.00000	99.75000
0.00000	0.00000	-1.19194	1	2181	-7.00000	-6.00000	99.75000
0.00000	0.00000	-1.06545	1	2182	-6.00000	-6.00000	99.75000
0.00000	0.00000	-0.93528	1	2183	-5.00000	-6.00000	99.75000
0.00000	0.00000	-0.81278	1	2184	-4.00000	-6.00000	99.75000
0.00000	0.00000	-0.70260	1	2185	-3.00000	-6.00000	99.75000
0.00000	0.00000	-0.60583	1	2186	-2.00000	-6.00000	99.75000
0.00000	0.00000	-0.52186	1	2187	-1.00000	-6.00000	99.75000
0.00000	0.00000	-0.44941	1	2188	0.00000	-6.00000	99.75000
0.00000	0.00000	-0.38700	1	2189	1.00000	-6.00000	99.75000
0.00000	0.00000	-0.33323	1	2190	2.00000	-6.00000	99.75000
				2191	3.00000	-6.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-0.28682	1	2192	4.00000	-6.00000	99.75000	
0.00000	0.00000	-0.24669	1	2193	5.00000	-6.00000	99.75000	
0.00000	0.00000	-0.21189	1	2194	-40.00000	-5.00000	99.75000	
0.00000	0.00000	-0.23087	1	2195	-39.00000	-5.00000	99.75000	
0.00000	0.00000	-0.27200	1	2196	-38.00000	-5.00000	99.75000	
0.00000	0.00000	-0.32082	1	2197	-37.00000	-5.00000	99.75000	
0.00000	0.00000	-0.37929	1	2198	-36.00000	-5.00000	99.75000	
0.00000	0.00000	-0.45012	1	2199	-35.00000	-5.00000	99.75000	
0.00000	0.00000	-0.53715	1	2200	-34.00000	-5.00000	99.75000	
0.00000	0.00000	-0.64599	1	2201	-33.00000	-5.00000	99.75000	
0.00000	0.00000	-0.78462	1	2202	-32.00000	-5.00000	99.75000	
0.00000	0.00000	-0.95729	1	2203	-31.00000	-5.00000	99.75000	
0.00000	0.00000	-1.13397	1	2204	-30.00000	-5.00000	99.75000	
0.00000	0.00000	-1.28470	1	2205	-29.00000	-5.00000	99.75000	
0.00000	0.00000	-1.41395	1	2206	-28.00000	-5.00000	99.75000	
0.00000	0.00000	-1.52974	1	2207	-27.00000	-5.00000	99.75000	
0.00000	0.00000	-1.63687	1	2208	-26.00000	-5.00000	99.75000	
0.00000	0.00000	-1.73635	1	2209	-25.00000	-5.00000	99.75000	
0.00000	0.00000	-1.82399	1	2210	-24.00000	-5.00000	99.75000	
0.00000	0.00000	-1.89104	1	2211	-23.00000	-5.00000	99.75000	
0.00000	0.00000	-1.92803	1	2212	-22.00000	-5.00000	99.75000	
0.00000	0.00000	-1.92950	1	2213	-21.00000	-5.00000	99.75000	
0.00000	0.00000	-1.92178	1	2214	-20.00000	-5.00000	99.75000	
0.00000	0.00000	-1.92441	1	2215	-19.00000	-5.00000	99.75000	
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0.00000	0.00000	-1.93541	1	2217	-17.00000	-5.00000	99.75000	
0.00000	0.00000	-1.93519	1	2218	-16.00000	-5.00000	99.75000	
0.00000	0.00000	-1.92876	1	2219	-15.00000	-5.00000	99.75000	
0.00000	0.00000	-1.91558	1	2220	-14.00000	-5.00000	99.75000	
0.00000	0.00000	-1.89621	1	2221	-13.00000	-5.00000	99.75000	
0.00000	0.00000	-1.87330	1	2222	-12.00000	-5.00000	99.75000	
0.00000	0.00000	-1.85365	1	2223	-11.00000	-5.00000	99.75000	
0.00000	0.00000	-1.84400	1	2224	-10.00000	-5.00000	99.75000	
0.00000	0.00000	-1.82309	1	2225	-9.00000	-5.00000	99.75000	
0.00000	0.00000	-1.77571	1	2226	-8.00000	-5.00000	99.75000	
0.00000	0.00000	-1.69628	1	2227	-7.00000	-5.00000	99.75000	
0.00000	0.00000	-1.53723	1	2228	-6.00000	-5.00000	99.75000	
0.00000	0.00000	-1.32641	1	2229	-5.00000	-5.00000	99.75000	
0.00000	0.00000	-1.12773	1					



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.95483	1	2230	-4.00000	-5.00000	99.75000
0.00000	0.00000	-0.80827	1	2231	-3.00000	-5.00000	99.75000
0.00000	0.00000	-0.68531	1	2232	-2.00000	-5.00000	99.75000
0.00000	0.00000	-0.58238	1	2233	-1.00000	-5.00000	99.75000
0.00000	0.00000	-0.49607	1	2234	0.00000	-5.00000	99.75000
0.00000	0.00000	-0.42339	1	2235	1.00000	-5.00000	99.75000
0.00000	0.00000	-0.36192	1	2236	2.00000	-5.00000	99.75000
0.00000	0.00000	-0.30966	1	2237	3.00000	-5.00000	99.75000
0.00000	0.00000	-0.26503	1	2238	4.00000	-5.00000	99.75000
0.00000	0.00000	-0.22675	1	2239	5.00000	-5.00000	99.75000
0.00000	0.00000	-0.24492	1	2240	-40.00000	-4.00000	99.75000
0.00000	0.00000	-0.28988	1	2241	-39.00000	-4.00000	99.75000
0.00000	0.00000	-0.34393	1	2242	-38.00000	-4.00000	99.75000
0.00000	0.00000	-0.40973	1	2243	-37.00000	-4.00000	99.75000
0.00000	0.00000	-0.49123	1	2244	-36.00000	-4.00000	99.75000
0.00000	0.00000	-0.59465	1	2245	-35.00000	-4.00000	99.75000
0.00000	0.00000	-0.73105	1	2246	-34.00000	-4.00000	99.75000
0.00000	0.00000	-0.92528	1	2247	-33.00000	-4.00000	99.75000
0.00000	0.00000	-1.34096	1	2248	-32.00000	-4.00000	99.75000
0.00000	0.00000	-1.76178	1	2249	-31.00000	-4.00000	99.75000
0.00000	0.00000	-1.97168	1	2250	-30.00000	-4.00000	99.75000
0.00000	0.00000	-2.13503	1	2251	-29.00000	-4.00000	99.75000
0.00000	0.00000	-2.27765	1	2252	-28.00000	-4.00000	99.75000
0.00000	0.00000	-2.41154	1	2253	-27.00000	-4.00000	99.75000
0.00000	0.00000	-2.55468	1	2254	-26.00000	-4.00000	99.75000
0.00000	0.00000	-2.71548	1	2255	-25.00000	-4.00000	99.75000
0.00000	0.00000	-2.80762	1	2256	-24.00000	-4.00000	99.75000
0.00000	0.00000	-2.83992	1	2257	-23.00000	-4.00000	99.75000
0.00000	0.00000	-2.58212	1	2258	-22.00000	-4.00000	99.75000
0.00000	0.00000	-2.48054	1	2259	-21.00000	-4.00000	99.75000
0.00000	0.00000	-2.47325	1	2260	-20.00000	-4.00000	99.75000
0.00000	0.00000	-2.47989	1	2261	-19.00000	-4.00000	99.75000
0.00000	0.00000	-2.48589	1	2262	-18.00000	-4.00000	99.75000
0.00000	0.00000	-2.48648	1	2263	-17.00000	-4.00000	99.75000
0.00000	0.00000	-2.47958	1	2264	-16.00000	-4.00000	99.75000
0.00000	0.00000	-2.46432	1	2265	-15.00000	-4.00000	99.75000
0.00000	0.00000	-2.44128	1	2266	-14.00000	-4.00000	99.75000
0.00000	0.00000	-2.41481	1	2267	-13.00000	-4.00000	99.75000
				2268	-12.00000	-4.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-2.40340	1	2269	-11.00000	-4.00000	99.75000
0.00000	0.00000	-2.63014	1	2270	-10.00000	-4.00000	99.75000
0.00000	0.00000	-2.66044	1	2271	-9.00000	-4.00000	99.75000
0.00000	0.00000	-2.63414	1	2272	-8.00000	-4.00000	99.75000
0.00000	0.00000	-2.70093	1	2273	-7.00000	-4.00000	99.75000
0.00000	0.00000	-2.17883	1	2274	-6.00000	-4.00000	99.75000
0.00000	0.00000	-1.70443	1	2275	-5.00000	-4.00000	99.75000
0.00000	0.00000	-1.37531	1	2276	-4.00000	-4.00000	99.75000
0.00000	0.00000	-1.12370	1	2277	-3.00000	-4.00000	99.75000
0.00000	0.00000	-0.92684	1	2278	-2.00000	-4.00000	99.75000
0.00000	0.00000	-0.77077	1	2279	-1.00000	-4.00000	99.75000
0.00000	0.00000	-0.64541	1	2280	0.00000	-4.00000	99.75000
0.00000	0.00000	-0.54346	1	2281	1.00000	-4.00000	99.75000
0.00000	0.00000	-0.45963	1	2282	2.00000	-4.00000	99.75000
0.00000	0.00000	-0.39002	1	2283	3.00000	-4.00000	99.75000
0.00000	0.00000	-0.33173	1	2284	4.00000	-4.00000	99.75000
0.00000	0.00000	-0.28256	1	2285	5.00000	-4.00000	99.75000
0.00000	0.00000	-0.24080	1	2286	-40.00000	-3.00000	99.75000
0.00000	0.00000	-0.25739	1	2287	-39.00000	-3.00000	99.75000
0.00000	0.00000	-0.30589	1	2288	-38.00000	-3.00000	99.75000
0.00000	0.00000	-0.36480	1	2289	-37.00000	-3.00000	99.75000
0.00000	0.00000	-0.43748	1	2290	-36.00000	-3.00000	99.75000
0.00000	0.00000	-0.52909	1	2291	-35.00000	-3.00000	99.75000
0.00000	0.00000	-0.64816	1	2292	-34.00000	-3.00000	99.75000
0.00000	0.00000	-0.81094	1	2293	-33.00000	-3.00000	99.75000
0.00000	0.00000	-1.05727	1	2294	-32.00000	-3.00000	99.75000
0.00000	0.00000	-1.61406	1	2295	-31.00000	-3.00000	99.75000
0.00000	0.00000	-2.17717	1	2296	-30.00000	-3.00000	99.75000
0.00000	0.00000	-2.44294	1	2297	-29.00000	-3.00000	99.75000
0.00000	0.00000	-2.63968	1	2298	-28.00000	-3.00000	99.75000
0.00000	0.00000	-2.80949	1	2299	-27.00000	-3.00000	99.75000
0.00000	0.00000	-2.97362	1	2300	-26.00000	-3.00000	99.75000
0.00000	0.00000	-3.29761	1	2301	-25.00000	-3.00000	99.75000
0.00000	0.00000	-4.45270	1	2302	-24.00000	-3.00000	99.75000
0.00000	0.00000	-4.61759	1	2303	-23.00000	-3.00000	99.75000
0.00000	0.00000	-4.67158	1	2304	-22.00000	-3.00000	99.75000
0.00000	0.00000	-4.51362	1	2305	-21.00000	-3.00000	99.75000
0.00000	0.00000	-4.43740	1	2306	-20.00000	-3.00000	99.75000
0.00000	0.00000	-4.43858	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-4.45084	1	2307	-19.00000	-3.00000	99.75000
0.00000	0.00000	-4.46064	1	2308	-18.00000	-3.00000	99.75000
0.00000	0.00000	-4.46329	1	2309	-17.00000	-3.00000	99.75000
0.00000	0.00000	-4.45645	1	2310	-16.00000	-3.00000	99.75000
0.00000	0.00000	-4.43876	1	2311	-15.00000	-3.00000	99.75000
0.00000	0.00000	-4.41005	1	2312	-14.00000	-3.00000	99.75000
0.00000	0.00000	-4.37342	1	2313	-13.00000	-3.00000	99.75000
0.00000	0.00000	-4.34152	1	2314	-12.00000	-3.00000	99.75000
0.00000	0.00000	-4.24949	1	2315	-11.00000	-3.00000	99.75000
0.00000	0.00000	-3.34732	1	2316	-10.00000	-3.00000	99.75000
0.00000	0.00000	-3.30846	1	2317	-9.00000	-3.00000	99.75000
0.00000	0.00000	-3.50424	1	2318	-8.00000	-3.00000	99.75000
0.00000	0.00000	-3.54585	1	2319	-7.00000	-3.00000	99.75000
0.00000	0.00000	-2.27233	1	2320	-6.00000	-3.00000	99.75000
0.00000	0.00000	-1.69135	1	2321	-5.00000	-3.00000	99.75000
0.00000	0.00000	-1.31842	1	2322	-4.00000	-3.00000	99.75000
0.00000	0.00000	-1.05475	1	2323	-3.00000	-3.00000	99.75000
0.00000	0.00000	-0.85895	1	2324	-2.00000	-3.00000	99.75000
0.00000	0.00000	-0.70843	1	2325	-1.00000	-3.00000	99.75000
0.00000	0.00000	-0.58975	1	2326	0.00000	-3.00000	99.75000
0.00000	0.00000	-0.49437	1	2327	1.00000	-3.00000	99.75000
0.00000	0.00000	-0.41657	1	2328	2.00000	-3.00000	99.75000
0.00000	0.00000	-0.35232	1	2329	3.00000	-3.00000	99.75000
0.00000	0.00000	-0.29873	1	2330	4.00000	-3.00000	99.75000
0.00000	0.00000	-0.25365	1	2331	5.00000	-3.00000	99.75000
0.00000	0.00000	-0.26782	1	2332	-40.00000	-2.00000	99.75000
0.00000	0.00000	-0.31933	1	2333	-39.00000	-2.00000	99.75000
0.00000	0.00000	-0.38241	1	2334	-38.00000	-2.00000	99.75000
0.00000	0.00000	-0.46100	1	2335	-37.00000	-2.00000	99.75000
0.00000	0.00000	-0.56121	1	2336	-36.00000	-2.00000	99.75000
0.00000	0.00000	-0.69325	1	2337	-35.00000	-2.00000	99.75000
0.00000	0.00000	-0.87641	1	2338	-34.00000	-2.00000	99.75000
0.00000	0.00000	-1.15571	1	2339	-33.00000	-2.00000	99.75000
0.00000	0.00000	-1.76175	1	2340	-32.00000	-2.00000	99.75000
0.00000	0.00000	-2.37524	1	2341	-31.00000	-2.00000	99.75000
0.00000	0.00000	-2.67755	1	2342	-30.00000	-2.00000	99.75000
0.00000	0.00000	-2.90131	1	2343	-29.00000	-2.00000	99.75000
0.00000	0.00000	-3.09499	1	2344	-28.00000	-2.00000	99.75000
				2345	-27.00000	-2.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-3.28559	1	2346	-26.00000	-2.00000	99.75000
0.00000	0.00000	-3.68060	1	2347	-25.00000	-2.00000	99.75000
0.00000	0.00000	-5.01287	1	2348	-24.00000	-2.00000	99.75000
0.00000	0.00000	-5.22451	1	2349	-23.00000	-2.00000	99.75000
0.00000	0.00000	-5.32106	1	2350	-22.00000	-2.00000	99.75000
0.00000	0.00000	-5.36860	1	2351	-21.00000	-2.00000	99.75000
0.00000	0.00000	-5.39583	1	2352	-20.00000	-2.00000	99.75000
0.00000	0.00000	-5.42339	1	2353	-19.00000	-2.00000	99.75000
0.00000	0.00000	-5.44843	1	2354	-18.00000	-2.00000	99.75000
0.00000	0.00000	-5.46660	1	2355	-17.00000	-2.00000	99.75000
0.00000	0.00000	-5.47492	1	2356	-16.00000	-2.00000	99.75000
0.00000	0.00000	-5.47112	1	2357	-15.00000	-2.00000	99.75000
0.00000	0.00000	-5.45325	1	2358	-14.00000	-2.00000	99.75000
0.00000	0.00000	-5.41978	1	2359	-13.00000	-2.00000	99.75000
0.00000	0.00000	-5.37038	1	2360	-12.00000	-2.00000	99.75000
0.00000	0.00000	-5.30238	1	2361	-11.00000	-2.00000	99.75000
0.00000	0.00000	-4.94351	1	2362	-10.00000	-2.00000	99.75000
0.00000	0.00000	-3.79545	1	2363	-9.00000	-2.00000	99.75000
0.00000	0.00000	-3.74030	1	2364	-8.00000	-2.00000	99.75000
0.00000	0.00000	-3.99410	1	2365	-7.00000	-2.00000	99.75000
0.00000	0.00000	-4.25216	1	2366	-6.00000	-2.00000	99.75000
0.00000	0.00000	-3.46642	1	2367	-5.00000	-2.00000	99.75000
0.00000	0.00000	-2.09052	1	2368	-4.00000	-2.00000	99.75000
0.00000	0.00000	-1.52902	1	2369	-3.00000	-2.00000	99.75000
0.00000	0.00000	-1.18364	1	2370	-2.00000	-2.00000	99.75000
0.00000	0.00000	-0.94444	1	2371	-1.00000	-2.00000	99.75000
0.00000	0.00000	-0.76798	1	2372	0.00000	-2.00000	99.75000
0.00000	0.00000	-0.63264	1	2373	1.00000	-2.00000	99.75000
0.00000	0.00000	-0.52605	1	2374	2.00000	-2.00000	99.75000
0.00000	0.00000	-0.44045	1	2375	3.00000	-2.00000	99.75000
0.00000	0.00000	-0.37063	1	2376	4.00000	-2.00000	99.75000
0.00000	0.00000	-0.31298	1	2377	5.00000	-2.00000	99.75000
0.00000	0.00000	-0.26488	1	2378	-40.00000	-1.00000	99.75000
0.00000	0.00000	-0.27578	1	2379	-39.00000	-1.00000	99.75000
0.00000	0.00000	-0.32961	1	2380	-38.00000	-1.00000	99.75000
0.00000	0.00000	-0.39590	1	2381	-37.00000	-1.00000	99.75000
0.00000	0.00000	-0.47901	1	2382	-36.00000	-1.00000	99.75000
0.00000	0.00000	-0.58568	1	2383	-35.00000	-1.00000	99.75000
0.00000	0.00000	-0.72710	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.92388	1	2384	-34.00000	-1.00000	99.75000
0.00000	0.00000	-1.22229	1	2385	-33.00000	-1.00000	99.75000
0.00000	0.00000	-1.85237	1	2386	-32.00000	-1.00000	99.75000
0.00000	0.00000	-2.49085	1	2387	-31.00000	-1.00000	99.75000
0.00000	0.00000	-2.81527	1	2388	-30.00000	-1.00000	99.75000
0.00000	0.00000	-3.05815	1	2389	-29.00000	-1.00000	99.75000
0.00000	0.00000	-3.27002	1	2390	-28.00000	-1.00000	99.75000
0.00000	0.00000	-3.48023	1	2391	-27.00000	-1.00000	99.75000
0.00000	0.00000	-3.89930	1	2392	-26.00000	-1.00000	99.75000
0.00000	0.00000	-5.25708	1	2393	-25.00000	-1.00000	99.75000
0.00000	0.00000	-5.49405	1	2394	-24.00000	-1.00000	99.75000
0.00000	0.00000	-5.62081	1	2395	-23.00000	-1.00000	99.75000
0.00000	0.00000	-5.70922	1	2396	-22.00000	-1.00000	99.75000
0.00000	0.00000	-5.77314	1	2397	-21.00000	-1.00000	99.75000
0.00000	0.00000	-5.82283	1	2398	-20.00000	-1.00000	99.75000
0.00000	0.00000	-5.86201	1	2399	-19.00000	-1.00000	99.75000
0.00000	0.00000	-5.89040	1	2400	-18.00000	-1.00000	99.75000
0.00000	0.00000	-5.90613	1	2401	-17.00000	-1.00000	99.75000
0.00000	0.00000	-5.90670	1	2402	-16.00000	-1.00000	99.75000
0.00000	0.00000	-5.88950	1	2403	-15.00000	-1.00000	99.75000
0.00000	0.00000	-5.85180	1	2404	-14.00000	-1.00000	99.75000
0.00000	0.00000	-5.79082	1	2405	-13.00000	-1.00000	99.75000
0.00000	0.00000	-5.69878	1	2406	-12.00000	-1.00000	99.75000
0.00000	0.00000	-5.29807	1	2407	-11.00000	-1.00000	99.75000
0.00000	0.00000	-4.11492	1	2408	-10.00000	-1.00000	99.75000
0.00000	0.00000	-4.05146	1	2409	-9.00000	-1.00000	99.75000
0.00000	0.00000	-4.32955	1	2410	-8.00000	-1.00000	99.75000
0.00000	0.00000	-4.66904	1	2411	-7.00000	-1.00000	99.75000
0.00000	0.00000	-4.15087	1	2412	-6.00000	-1.00000	99.75000
0.00000	0.00000	-2.53319	1	2413	-5.00000	-1.00000	99.75000
0.00000	0.00000	-1.72590	1	2414	-4.00000	-1.00000	99.75000
0.00000	0.00000	-1.29997	1	2415	-3.00000	-1.00000	99.75000
0.00000	0.00000	-1.02021	1	2416	-2.00000	-1.00000	99.75000
0.00000	0.00000	-0.81996	1	2417	-1.00000	-1.00000	99.75000
0.00000	0.00000	-0.66956	1	2418	0.00000	-1.00000	99.75000
0.00000	0.00000	-0.55298	1	2419	1.00000	-1.00000	99.75000
0.00000	0.00000	-0.46052	1	2420	2.00000	-1.00000	99.75000
0.00000	0.00000	-0.38587	1	2421	3.00000	-1.00000	99.75000
				2422	4.00000	-1.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
0.00000	0.00000	-0.32474	1			
			2423	5.00000	-1.00000	99.75000
0.00000	0.00000	-0.27408	1			
			2424	-40.00000	0.00000	99.75000
0.00000	0.00000	-0.28093	1			
			2425	-39.00000	0.00000	99.75000
0.00000	0.00000	-0.33627	1			
			2426	-38.00000	0.00000	99.75000
0.00000	0.00000	-0.40463	1			
			2427	-37.00000	0.00000	99.75000
0.00000	0.00000	-0.49062	1			
			2428	-36.00000	0.00000	99.75000
0.00000	0.00000	-0.60134	1			
			2429	-35.00000	0.00000	99.75000
0.00000	0.00000	-0.74844	1			
			2430	-34.00000	0.00000	99.75000
0.00000	0.00000	-0.95304	1			
			2431	-33.00000	0.00000	99.75000
0.00000	0.00000	-1.26167	1			
			2432	-32.00000	0.00000	99.75000
0.00000	0.00000	-1.90391	1			
			2433	-31.00000	0.00000	99.75000
0.00000	0.00000	-2.55524	1			
			2434	-30.00000	0.00000	99.75000
0.00000	0.00000	-2.89202	1			
			2435	-29.00000	0.00000	99.75000
0.00000	0.00000	-3.14663	1			
			2436	-28.00000	0.00000	99.75000
0.00000	0.00000	-3.37027	1			
			2437	-27.00000	0.00000	99.75000
0.00000	0.00000	-3.59326	1			
			2438	-26.00000	0.00000	99.75000
0.00000	0.00000	-4.02757	1			
			2439	-25.00000	0.00000	99.75000
0.00000	0.00000	-5.40042	1			
			2440	-24.00000	0.00000	99.75000
0.00000	0.00000	-5.65401	1			
			2441	-23.00000	0.00000	99.75000
0.00000	0.00000	-5.79982	1			
			2442	-22.00000	0.00000	99.75000
0.00000	0.00000	-5.90941	1			
			2443	-21.00000	0.00000	99.75000
0.00000	0.00000	-5.99397	1			
			2444	-20.00000	0.00000	99.75000
0.00000	0.00000	-6.06156	1			
			2445	-19.00000	0.00000	99.75000
0.00000	0.00000	-6.11634	1			
			2446	-18.00000	0.00000	99.75000
0.00000	0.00000	-6.15859	1			
			2447	-17.00000	0.00000	99.75000
0.00000	0.00000	-6.18580	1			
			2448	-16.00000	0.00000	99.75000
0.00000	0.00000	-6.19438	1			
			2449	-15.00000	0.00000	99.75000
0.00000	0.00000	-6.18089	1			
			2450	-14.00000	0.00000	99.75000
0.00000	0.00000	-6.14199	1			
			2451	-13.00000	0.00000	99.75000
0.00000	0.00000	-6.07414	1			
			2452	-12.00000	0.00000	99.75000
0.00000	0.00000	-5.96879	1			
			2453	-11.00000	0.00000	99.75000
0.00000	0.00000	-5.54885	1			
			2454	-10.00000	0.00000	99.75000
0.00000	0.00000	-4.34967	1			
			2455	-9.00000	0.00000	99.75000
0.00000	0.00000	-4.27762	1			
			2456	-8.00000	0.00000	99.75000
0.00000	0.00000	-4.55954	1			
			2457	-7.00000	0.00000	99.75000
0.00000	0.00000	-4.91962	1			
			2458	-6.00000	0.00000	99.75000
0.00000	0.00000	-4.43896	1			
			2459	-5.00000	0.00000	99.75000
0.00000	0.00000	-2.77763	1			
			2460	-4.00000	0.00000	99.75000
0.00000	0.00000	-1.86991	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-1.39004	1	2461	-3.00000	0.00000	99.75000
0.00000	0.00000	-1.07951	1	2462	-2.00000	0.00000	99.75000
0.00000	0.00000	-0.86047	1	2463	-1.00000	0.00000	99.75000
0.00000	0.00000	-0.69808	1	2464	0.00000	0.00000	99.75000
0.00000	0.00000	-0.57357	1	2465	1.00000	0.00000	99.75000
0.00000	0.00000	-0.47572	1	2466	2.00000	0.00000	99.75000
0.00000	0.00000	-0.39732	1	2467	3.00000	0.00000	99.75000
0.00000	0.00000	-0.33350	1	2468	4.00000	0.00000	99.75000
0.00000	0.00000	-0.28089	1	2469	5.00000	0.00000	99.75000
0.00000	0.00000	-0.28307	1	2470	-40.00000	1.00000	99.75000
0.00000	0.00000	-0.33901	1	2471	-39.00000	1.00000	99.75000
0.00000	0.00000	-0.40818	1	2472	-38.00000	1.00000	99.75000
0.00000	0.00000	-0.49530	1	2473	-37.00000	1.00000	99.75000
0.00000	0.00000	-0.60758	1	2474	-36.00000	1.00000	99.75000
0.00000	0.00000	-0.75681	1	2475	-35.00000	1.00000	99.75000
0.00000	0.00000	-0.96427	1	2476	-34.00000	1.00000	99.75000
0.00000	0.00000	-1.27654	1	2477	-33.00000	1.00000	99.75000
0.00000	0.00000	-1.92308	1	2478	-32.00000	1.00000	99.75000
0.00000	0.00000	-2.57907	1	2479	-31.00000	1.00000	99.75000
0.00000	0.00000	-2.92064	1	2480	-30.00000	1.00000	99.75000
0.00000	0.00000	-3.18021	1	2481	-29.00000	1.00000	99.75000
0.00000	0.00000	-3.40922	1	2482	-28.00000	1.00000	99.75000
0.00000	0.00000	-3.63838	1	2483	-27.00000	1.00000	99.75000
0.00000	0.00000	-4.08084	1	2484	-26.00000	1.00000	99.75000
0.00000	0.00000	-5.46144	1	2485	-25.00000	1.00000	99.75000
0.00000	0.00000	-5.72439	1	2486	-24.00000	1.00000	99.75000
0.00000	0.00000	-5.88158	1	2487	-23.00000	1.00000	99.75000
0.00000	0.00000	-6.00441	1	2488	-22.00000	1.00000	99.75000
0.00000	0.00000	-6.10397	1	2489	-21.00000	1.00000	99.75000
0.00000	0.00000	-6.18855	1	2490	-20.00000	1.00000	99.75000
0.00000	0.00000	-6.26287	1	2491	-19.00000	1.00000	99.75000
0.00000	0.00000	-6.32626	1	2492	-18.00000	1.00000	99.75000
0.00000	0.00000	-6.37272	1	2493	-17.00000	1.00000	99.75000
0.00000	0.00000	-6.39539	1	2494	-16.00000	1.00000	99.75000
0.00000	0.00000	-6.38995	1	2495	-15.00000	1.00000	99.75000
0.00000	0.00000	-6.35361	1	2496	-14.00000	1.00000	99.75000
0.00000	0.00000	-6.28338	1	2497	-13.00000	1.00000	99.75000
0.00000	0.00000	-6.17111	1	2498	-12.00000	1.00000	99.75000
				2499	-11.00000	1.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-5.73957	1	2500	-10.00000	1.00000	99.75000	
0.00000	0.00000	-4.52881	1	2501	-9.00000	1.00000	99.75000	
0.00000	0.00000	-4.44434	1	2502	-8.00000	1.00000	99.75000	
0.00000	0.00000	-4.71553	1	2503	-7.00000	1.00000	99.75000	
0.00000	0.00000	-5.06868	1	2504	-6.00000	1.00000	99.75000	
0.00000	0.00000	-4.58056	1	2505	-5.00000	1.00000	99.75000	
0.00000	0.00000	-2.89677	1	2506	-4.00000	1.00000	99.75000	
0.00000	0.00000	-1.95521	1	2507	-3.00000	1.00000	99.75000	
0.00000	0.00000	-1.44731	1	2508	-2.00000	1.00000	99.75000	
0.00000	0.00000	-1.11781	1	2509	-1.00000	1.00000	99.75000	
0.00000	0.00000	-0.88653	1	2510	0.00000	1.00000	99.75000	
0.00000	0.00000	-0.71623	1	2511	1.00000	1.00000	99.75000	
0.00000	0.00000	-0.58653	1	2512	2.00000	1.00000	99.75000	
0.00000	0.00000	-0.48518	1	2513	3.00000	1.00000	99.75000	
0.00000	0.00000	-0.40437	1	2514	4.00000	1.00000	99.75000	
0.00000	0.00000	-0.33886	1	2515	5.00000	1.00000	99.75000	
0.00000	0.00000	-0.28502	1	2516	-40.00000	2.00000	99.75000	
0.00000	0.00000	-0.28211	1	2517	-39.00000	2.00000	99.75000	
0.00000	0.00000	-0.33772	1	2518	-38.00000	2.00000	99.75000	
0.00000	0.00000	-0.40642	1	2519	-37.00000	2.00000	99.75000	
0.00000	0.00000	-0.49286	1	2520	-36.00000	2.00000	99.75000	
0.00000	0.00000	-0.60419	1	2521	-35.00000	2.00000	99.75000	
0.00000	0.00000	-0.75208	1	2522	-34.00000	2.00000	99.75000	
0.00000	0.00000	-0.95774	1	2523	-33.00000	2.00000	99.75000	
0.00000	0.00000	-1.26774	1	2524	-32.00000	2.00000	99.75000	
0.00000	0.00000	-1.91172	1	2525	-31.00000	2.00000	99.75000	
0.00000	0.00000	-2.56518	1	2526	-30.00000	2.00000	99.75000	
0.00000	0.00000	-2.90460	1	2527	-29.00000	2.00000	99.75000	
0.00000	0.00000	-3.16256	1	2528	-28.00000	2.00000	99.75000	
0.00000	0.00000	-3.39059	1	2529	-27.00000	2.00000	99.75000	
0.00000	0.00000	-3.61944	1	2530	-26.00000	2.00000	99.75000	
0.00000	0.00000	-4.06334	1	2531	-25.00000	2.00000	99.75000	
0.00000	0.00000	-5.44493	1	2532	-24.00000	2.00000	99.75000	
0.00000	0.00000	-5.71073	1	2533	-23.00000	2.00000	99.75000	
0.00000	0.00000	-5.87330	1	2534	-22.00000	2.00000	99.75000	
0.00000	0.00000	-6.00439	1	2535	-21.00000	2.00000	99.75000	
0.00000	0.00000	-6.11626	1	2536	-20.00000	2.00000	99.75000	
0.00000	0.00000	-6.21971	1	2537	-19.00000	2.00000	99.75000	
0.00000	0.00000	-6.32327	1					



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-6.42614	1	2538	-18.00000	2.00000	99.75000
0.00000	0.00000	-6.50984	1	2539	-17.00000	2.00000	99.75000
0.00000	0.00000	-6.55710	1	2540	-16.00000	2.00000	99.75000
0.00000	0.00000	-6.56518	1	2541	-15.00000	2.00000	99.75000
0.00000	0.00000	-6.53513	1	2542	-14.00000	2.00000	99.75000
0.00000	0.00000	-6.46624	1	2543	-13.00000	2.00000	99.75000
0.00000	0.00000	-6.35127	1	2544	-12.00000	2.00000	99.75000
0.00000	0.00000	-5.91177	1	2545	-11.00000	2.00000	99.75000
0.00000	0.00000	-4.68940	1	2546	-10.00000	2.00000	99.75000
0.00000	0.00000	-4.58425	1	2547	-9.00000	2.00000	99.75000
0.00000	0.00000	-4.82557	1	2548	-8.00000	2.00000	99.75000
0.00000	0.00000	-5.15046	1	2549	-7.00000	2.00000	99.75000
0.00000	0.00000	-4.64564	1	2550	-6.00000	2.00000	99.75000
0.00000	0.00000	-2.94933	1	2551	-5.00000	2.00000	99.75000
0.00000	0.00000	-1.99233	1	2552	-4.00000	2.00000	99.75000
0.00000	0.00000	-1.47117	1	2553	-3.00000	2.00000	99.75000
0.00000	0.00000	-1.13291	1	2554	-2.00000	2.00000	99.75000
0.00000	0.00000	-0.89626	1	2555	-1.00000	2.00000	99.75000
0.00000	0.00000	-0.72269	1	2556	0.00000	2.00000	99.75000
0.00000	0.00000	-0.59095	1	2557	1.00000	2.00000	99.75000
0.00000	0.00000	-0.48830	1	2558	2.00000	2.00000	99.75000
0.00000	0.00000	-0.40663	1	2559	3.00000	2.00000	99.75000
0.00000	0.00000	-0.34053	1	2560	4.00000	2.00000	99.75000
0.00000	0.00000	-0.28629	1	2561	5.00000	2.00000	99.75000
0.00000	0.00000	-0.27810	1	2562	-40.00000	3.00000	99.75000
0.00000	0.00000	-0.33246	1	2563	-39.00000	3.00000	99.75000
0.00000	0.00000	-0.39943	1	2564	-38.00000	3.00000	99.75000
0.00000	0.00000	-0.48343	1	2565	-37.00000	3.00000	99.75000
0.00000	0.00000	-0.59129	1	2566	-36.00000	3.00000	99.75000
0.00000	0.00000	-0.73429	1	2567	-35.00000	3.00000	99.75000
0.00000	0.00000	-0.93320	1	2568	-34.00000	3.00000	99.75000
0.00000	0.00000	-1.23444	1	2569	-33.00000	3.00000	99.75000
0.00000	0.00000	-1.86814	1	2570	-32.00000	3.00000	99.75000
0.00000	0.00000	-2.51100	1	2571	-31.00000	3.00000	99.75000
0.00000	0.00000	-2.84070	1	2572	-30.00000	3.00000	99.75000
0.00000	0.00000	-3.09019	1	2573	-29.00000	3.00000	99.75000
0.00000	0.00000	-3.31070	1	2574	-28.00000	3.00000	99.75000
0.00000	0.00000	-3.53260	1	2575	-27.00000	3.00000	99.75000
				2576	-26.00000	3.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-3.97097	1	2577	-25.00000	3.00000	99.75000
0.00000	0.00000	-5.34654	1	2578	-24.00000	3.00000	99.75000
0.00000	0.00000	-5.60867	1	2579	-23.00000	3.00000	99.75000
0.00000	0.00000	-5.77093	1	2580	-22.00000	3.00000	99.75000
0.00000	0.00000	-5.90573	1	2581	-21.00000	3.00000	99.75000
0.00000	0.00000	-6.02738	1	2582	-20.00000	3.00000	99.75000
0.00000	0.00000	-6.15230	1	2583	-19.00000	3.00000	99.75000
0.00000	0.00000	-6.30467	1	2584	-18.00000	3.00000	99.75000
0.00000	0.00000	-6.51201	1	2585	-17.00000	3.00000	99.75000
0.00000	0.00000	-6.68956	1	2586	-16.00000	3.00000	99.75000
0.00000	0.00000	-6.77791	1	2587	-15.00000	3.00000	99.75000
0.00000	0.00000	-6.80447	1	2588	-14.00000	3.00000	99.75000
0.00000	0.00000	-6.78346	1	2589	-13.00000	3.00000	99.75000
0.00000	0.00000	-6.71895	1	2590	-12.00000	3.00000	99.75000
0.00000	0.00000	-6.60491	1	2591	-11.00000	3.00000	99.75000
0.00000	0.00000	-6.16059	1	2592	-10.00000	3.00000	99.75000
0.00000	0.00000	-4.92577	1	2593	-9.00000	3.00000	99.75000
0.00000	0.00000	-4.78504	1	2594	-8.00000	3.00000	99.75000
0.00000	0.00000	-4.94067	1	2595	-7.00000	3.00000	99.75000
0.00000	0.00000	-5.17519	1	2596	-6.00000	3.00000	99.75000
0.00000	0.00000	-4.65131	1	2597	-5.00000	3.00000	99.75000
0.00000	0.00000	-2.96593	1	2598	-4.00000	3.00000	99.75000
0.00000	0.00000	-1.98826	1	2599	-3.00000	3.00000	99.75000
0.00000	0.00000	-1.46135	1	2600	-2.00000	3.00000	99.75000
0.00000	0.00000	-1.12357	1	2601	-1.00000	3.00000	99.75000
0.00000	0.00000	-0.88868	1	2602	0.00000	3.00000	99.75000
0.00000	0.00000	-0.71681	1	2603	1.00000	3.00000	99.75000
0.00000	0.00000	-0.58644	1	2604	2.00000	3.00000	99.75000
0.00000	0.00000	-0.48483	1	2605	3.00000	3.00000	99.75000
0.00000	0.00000	-0.40393	1	2606	4.00000	3.00000	99.75000
0.00000	0.00000	-0.33842	1	2607	5.00000	3.00000	99.75000
0.00000	0.00000	-0.28462	1	2608	-40.00000	4.00000	99.75000
0.00000	0.00000	-0.27122	1	2609	-39.00000	4.00000	99.75000
0.00000	0.00000	-0.32349	1	2610	-38.00000	4.00000	99.75000
0.00000	0.00000	-0.38756	1	2611	-37.00000	4.00000	99.75000
0.00000	0.00000	-0.46744	1	2612	-36.00000	4.00000	99.75000
0.00000	0.00000	-0.56937	1	2613	-35.00000	4.00000	99.75000
0.00000	0.00000	-0.70376	1	2614	-34.00000	4.00000	99.75000
0.00000	0.00000	-0.89018	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:		Set:		Result:			
Displacements:		Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-1.17402	1	2615	-33.00000	4.00000	99.75000
0.00000	0.00000	-1.78606	1	2616	-32.00000	4.00000	99.75000
0.00000	0.00000	-2.40664	1	2617	-31.00000	4.00000	99.75000
0.00000	0.00000	-2.71696	1	2618	-30.00000	4.00000	99.75000
0.00000	0.00000	-2.95033	1	2619	-29.00000	4.00000	99.75000
0.00000	0.00000	-3.15651	1	2620	-28.00000	4.00000	99.75000
0.00000	0.00000	-3.36436	1	2621	-27.00000	4.00000	99.75000
0.00000	0.00000	-3.78926	1	2622	-26.00000	4.00000	99.75000
0.00000	0.00000	-5.15052	1	2623	-25.00000	4.00000	99.75000
0.00000	0.00000	-5.40164	1	2624	-24.00000	4.00000	99.75000
0.00000	0.00000	-5.55750	1	2625	-23.00000	4.00000	99.75000
0.00000	0.00000	-5.69075	1	2626	-22.00000	4.00000	99.75000
0.00000	0.00000	-5.81741	1	2627	-21.00000	4.00000	99.75000
0.00000	0.00000	-5.96064	1	2628	-20.00000	4.00000	99.75000
0.00000	0.00000	-6.17441	1	2629	-19.00000	4.00000	99.75000
0.00000	0.00000	-6.89522	1	2630	-18.00000	4.00000	99.75000
0.00000	0.00000	-7.29063	1	2631	-17.00000	4.00000	99.75000
0.00000	0.00000	-7.42728	1	2632	-16.00000	4.00000	99.75000
0.00000	0.00000	-7.47187	1	2633	-15.00000	4.00000	99.75000
0.00000	0.00000	-7.46030	1	2634	-14.00000	4.00000	99.75000
0.00000	0.00000	-7.40242	1	2635	-13.00000	4.00000	99.75000
0.00000	0.00000	-7.29347	1	2636	-12.00000	4.00000	99.75000
0.00000	0.00000	-6.84982	1	2637	-11.00000	4.00000	99.75000
0.00000	0.00000	-5.60659	1	2638	-10.00000	4.00000	99.75000
0.00000	0.00000	-5.42146	1	2639	-9.00000	4.00000	99.75000
0.00000	0.00000	-5.30904	1	2640	-8.00000	4.00000	99.75000
0.00000	0.00000	-5.09909	1	2641	-7.00000	4.00000	99.75000
0.00000	0.00000	-4.57146	1	2642	-6.00000	4.00000	99.75000
0.00000	0.00000	-3.03159	1	2643	-5.00000	4.00000	99.75000
0.00000	0.00000	-1.93474	1	2644	-4.00000	4.00000	99.75000
0.00000	0.00000	-1.41415	1	2645	-3.00000	4.00000	99.75000
0.00000	0.00000	-1.08874	1	2646	-2.00000	4.00000	99.75000
0.00000	0.00000	-0.86363	1	2647	-1.00000	4.00000	99.75000
0.00000	0.00000	-0.69869	1	2648	0.00000	4.00000	99.75000
0.00000	0.00000	-0.57313	1	2649	1.00000	4.00000	99.75000
0.00000	0.00000	-0.47489	1	2650	2.00000	4.00000	99.75000
0.00000	0.00000	-0.39639	1	2651	3.00000	4.00000	99.75000
0.00000	0.00000	-0.33260	1	2652	4.00000	4.00000	99.75000
				2653	5.00000	4.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-0.28007	1					
			2654	-40.00000	5.00000	99.75000		
0.00000	0.00000	-0.26178	1					
			2655	-39.00000	5.00000	99.75000		
0.00000	0.00000	-0.31124	1					
			2656	-38.00000	5.00000	99.75000		
0.00000	0.00000	-0.37140	1					
			2657	-37.00000	5.00000	99.75000		
0.00000	0.00000	-0.44571	1					
			2658	-36.00000	5.00000	99.75000		
0.00000	0.00000	-0.53950	1					
			2659	-35.00000	5.00000	99.75000		
0.00000	0.00000	-0.66159	1					
			2660	-34.00000	5.00000	99.75000		
0.00000	0.00000	-0.82876	1					
			2661	-33.00000	5.00000	99.75000		
0.00000	0.00000	-1.08185	1					
			2662	-32.00000	5.00000	99.75000		
0.00000	0.00000	-1.64913	1					
			2663	-31.00000	5.00000	99.75000		
0.00000	0.00000	-2.22407	1					
			2664	-30.00000	5.00000	99.75000		
0.00000	0.00000	-2.50079	1					
			2665	-29.00000	5.00000	99.75000		
0.00000	0.00000	-2.70960	1					
			2666	-28.00000	5.00000	99.75000		
0.00000	0.00000	-2.89485	1					
			2667	-27.00000	5.00000	99.75000		
0.00000	0.00000	-3.08123	1					
			2668	-26.00000	5.00000	99.75000		
0.00000	0.00000	-3.47737	1					
			2669	-25.00000	5.00000	99.75000		
0.00000	0.00000	-4.79881	1					
			2670	-24.00000	5.00000	99.75000		
0.00000	0.00000	-5.02804	1					
			2671	-23.00000	5.00000	99.75000		
0.00000	0.00000	-5.17116	1					
			2672	-22.00000	5.00000	99.75000		
0.00000	0.00000	-5.29701	1					
			2673	-21.00000	5.00000	99.75000		
0.00000	0.00000	-5.42099	1					
			2674	-20.00000	5.00000	99.75000		
0.00000	0.00000	-5.56796	1					
			2675	-19.00000	5.00000	99.75000		
0.00000	0.00000	-5.80211	1					
			2676	-18.00000	5.00000	99.75000		
0.00000	0.00000	-6.59082	1					
			2677	-17.00000	5.00000	99.75000		
0.00000	0.00000	-7.04251	1					
			2678	-16.00000	5.00000	99.75000		
0.00000	0.00000	-7.19735	1					
			2679	-15.00000	5.00000	99.75000		
0.00000	0.00000	-7.25043	1					
			2680	-14.00000	5.00000	99.75000		
0.00000	0.00000	-7.24586	1					
			2681	-13.00000	5.00000	99.75000		
0.00000	0.00000	-7.19610	1					
			2682	-12.00000	5.00000	99.75000		
0.00000	0.00000	-7.09776	1					
			2683	-11.00000	5.00000	99.75000		
0.00000	0.00000	-6.67128	1					
			2684	-10.00000	5.00000	99.75000		
0.00000	0.00000	-5.44624	1					
			2685	-9.00000	5.00000	99.75000		
0.00000	0.00000	-5.24278	1					
			2686	-8.00000	5.00000	99.75000		
0.00000	0.00000	-5.05460	1					
			2687	-7.00000	5.00000	99.75000		
0.00000	0.00000	-4.77854	1					
			2688	-6.00000	5.00000	99.75000		
0.00000	0.00000	-4.28264	1					
			2689	-5.00000	5.00000	99.75000		
0.00000	0.00000	-2.83407	1					
			2690	-4.00000	5.00000	99.75000		
0.00000	0.00000	-1.79965	1					
			2691	-3.00000	5.00000	99.75000		
0.00000	0.00000	-1.32465	1					



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-1.02868	1	2692	-2.00000	5.00000	99.75000
0.00000	0.00000	-0.82220	1	2693	-1.00000	5.00000	99.75000
0.00000	0.00000	-0.66930	1	2694	0.00000	5.00000	99.75000
0.00000	0.00000	-0.55176	1	2695	1.00000	5.00000	99.75000
0.00000	0.00000	-0.45900	1	2696	2.00000	5.00000	99.75000
0.00000	0.00000	-0.38435	1	2697	3.00000	5.00000	99.75000
0.00000	0.00000	-0.32333	1	2698	4.00000	5.00000	99.75000
0.00000	0.00000	-0.27282	1	2699	5.00000	5.00000	99.75000
0.00000	0.00000	-0.25018	1	2700	-40.00000	6.00000	99.75000
0.00000	0.00000	-0.29628	1	2701	-39.00000	6.00000	99.75000
0.00000	0.00000	-0.35178	1	2702	-38.00000	6.00000	99.75000
0.00000	0.00000	-0.41947	1	2703	-37.00000	6.00000	99.75000
0.00000	0.00000	-0.50348	1	2704	-36.00000	6.00000	99.75000
0.00000	0.00000	-0.61037	1	2705	-35.00000	6.00000	99.75000
0.00000	0.00000	-0.75194	1	2706	-34.00000	6.00000	99.75000
0.00000	0.00000	-0.95512	1	2707	-33.00000	6.00000	99.75000
0.00000	0.00000	-1.40031	1	2708	-32.00000	6.00000	99.75000
0.00000	0.00000	-1.85208	1	2709	-31.00000	6.00000	99.75000
0.00000	0.00000	-2.07547	1	2710	-30.00000	6.00000	99.75000
0.00000	0.00000	-2.25228	1	2711	-29.00000	6.00000	99.75000
0.00000	0.00000	-2.41170	1	2712	-28.00000	6.00000	99.75000
0.00000	0.00000	-2.56962	1	2713	-27.00000	6.00000	99.75000
0.00000	0.00000	-2.81245	1	2714	-26.00000	6.00000	99.75000
0.00000	0.00000	-3.23886	1	2715	-25.00000	6.00000	99.75000
0.00000	0.00000	-3.40691	1	2716	-24.00000	6.00000	99.75000
0.00000	0.00000	-3.53161	1	2717	-23.00000	6.00000	99.75000
0.00000	0.00000	-3.64450	1	2718	-22.00000	6.00000	99.75000
0.00000	0.00000	-3.75710	1	2719	-21.00000	6.00000	99.75000
0.00000	0.00000	-3.88848	1	2720	-20.00000	6.00000	99.75000
0.00000	0.00000	-4.08362	1	2721	-19.00000	6.00000	99.75000
0.00000	0.00000	-4.73496	1	2722	-18.00000	6.00000	99.75000
0.00000	0.00000	-5.07881	1	2723	-17.00000	6.00000	99.75000
0.00000	0.00000	-5.20756	1	2724	-16.00000	6.00000	99.75000
0.00000	0.00000	-5.25514	1	2725	-15.00000	6.00000	99.75000
0.00000	0.00000	-5.25294	1	2726	-14.00000	6.00000	99.75000
0.00000	0.00000	-5.21113	1	2727	-13.00000	6.00000	99.75000
0.00000	0.00000	-5.12975	1	2728	-12.00000	6.00000	99.75000
0.00000	0.00000	-4.89268	1	2729	-11.00000	6.00000	99.75000
				2730	-10.00000	6.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-4.51838	1	2731	-9.00000	6.00000	99.75000
0.00000	0.00000	-4.34565	1	2732	-8.00000	6.00000	99.75000
0.00000	0.00000	-4.16025	1	2733	-7.00000	6.00000	99.75000
0.00000	0.00000	-3.90799	1	2734	-6.00000	6.00000	99.75000
0.00000	0.00000	-3.50954	1	2735	-5.00000	6.00000	99.75000
0.00000	0.00000	-2.35140	1	2736	-4.00000	6.00000	99.75000
0.00000	0.00000	-1.57501	1	2737	-3.00000	6.00000	99.75000
0.00000	0.00000	-1.19694	1	2738	-2.00000	6.00000	99.75000
0.00000	0.00000	-0.94757	1	2739	-1.00000	6.00000	99.75000
0.00000	0.00000	-0.76734	1	2740	0.00000	6.00000	99.75000
0.00000	0.00000	-0.63061	1	2741	1.00000	6.00000	99.75000
0.00000	0.00000	-0.52363	1	2742	2.00000	6.00000	99.75000
0.00000	0.00000	-0.43805	1	2743	3.00000	6.00000	99.75000
0.00000	0.00000	-0.36842	1	2744	4.00000	6.00000	99.75000
0.00000	0.00000	-0.31102	1	2745	5.00000	6.00000	99.75000
0.00000	0.00000	-0.26317	1	2746	-40.00000	7.00000	99.75000
0.00000	0.00000	-0.23688	1	2747	-39.00000	7.00000	99.75000
0.00000	0.00000	-0.27927	1	2748	-38.00000	7.00000	99.75000
0.00000	0.00000	-0.32968	1	2749	-37.00000	7.00000	99.75000
0.00000	0.00000	-0.39019	1	2750	-36.00000	7.00000	99.75000
0.00000	0.00000	-0.46372	1	2751	-35.00000	7.00000	99.75000
0.00000	0.00000	-0.55439	1	2752	-34.00000	7.00000	99.75000
0.00000	0.00000	-0.66845	1	2753	-33.00000	7.00000	99.75000
0.00000	0.00000	-0.81525	1	2754	-32.00000	7.00000	99.75000
0.00000	0.00000	-1.00181	1	2755	-31.00000	7.00000	99.75000
0.00000	0.00000	-1.19382	1	2756	-30.00000	7.00000	99.75000
0.00000	0.00000	-1.35725	1	2757	-29.00000	7.00000	99.75000
0.00000	0.00000	-1.49988	1	2758	-28.00000	7.00000	99.75000
0.00000	0.00000	-1.63213	1	2759	-27.00000	7.00000	99.75000
0.00000	0.00000	-1.76106	1	2760	-26.00000	7.00000	99.75000
0.00000	0.00000	-1.89177	1	2761	-25.00000	7.00000	99.75000
0.00000	0.00000	-2.02211	1	2762	-24.00000	7.00000	99.75000
0.00000	0.00000	-2.13856	1	2763	-23.00000	7.00000	99.75000
0.00000	0.00000	-2.24291	1	2764	-22.00000	7.00000	99.75000
0.00000	0.00000	-2.33968	1	2765	-21.00000	7.00000	99.75000
0.00000	0.00000	-2.43555	1	2766	-20.00000	7.00000	99.75000
0.00000	0.00000	-2.54076	1	2767	-19.00000	7.00000	99.75000
0.00000	0.00000	-2.67071	1	2768	-18.00000	7.00000	99.75000
0.00000	0.00000	-2.83496	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:		Set:		Result:		Coordinates:		Coordinates:	
Displacements:	Displacements:	Displacements:		Ref.	x	y	z	x	
Ref.		Name		Ref.					
y	z								
0.00000	0.00000	-2.97846	1	2769	-17.00000	7.00000	99.75000		
0.00000	0.00000	-3.06122	1	2770	-16.00000	7.00000	99.75000		
0.00000	0.00000	-3.09572	1	2771	-15.00000	7.00000	99.75000		
0.00000	0.00000	-3.09319	1	2772	-14.00000	7.00000	99.75000		
0.00000	0.00000	-3.05915	1	2773	-13.00000	7.00000	99.75000		
0.00000	0.00000	-2.99575	1	2774	-12.00000	7.00000	99.75000		
0.00000	0.00000	-2.90222	1	2775	-11.00000	7.00000	99.75000		
0.00000	0.00000	-2.78372	1	2776	-10.00000	7.00000	99.75000		
0.00000	0.00000	-2.65051	1	2777	-9.00000	7.00000	99.75000		
0.00000	0.00000	-2.49188	1	2778	-8.00000	7.00000	99.75000		
0.00000	0.00000	-2.28973	1	2779	-7.00000	7.00000	99.75000		
0.00000	0.00000	-2.01794	1	2780	-6.00000	7.00000	99.75000		
0.00000	0.00000	-1.66128	1	2781	-5.00000	7.00000	99.75000		
0.00000	0.00000	-1.31326	1	2782	-4.00000	7.00000	99.75000		
0.00000	0.00000	-1.05043	1	2783	-3.00000	7.00000	99.75000		
0.00000	0.00000	-0.85430	1	2784	-2.00000	7.00000	99.75000		
0.00000	0.00000	-0.70380	1	2785	-1.00000	7.00000	99.75000		
0.00000	0.00000	-0.58543	1	2786	0.00000	7.00000	99.75000		
0.00000	0.00000	-0.49049	1	2787	1.00000	7.00000	99.75000		
0.00000	0.00000	-0.41316	1	2788	2.00000	7.00000	99.75000		
0.00000	0.00000	-0.34937	1	2789	3.00000	7.00000	99.75000		
0.00000	0.00000	-0.29620	1	2790	4.00000	7.00000	99.75000		
0.00000	0.00000	-0.25149	1	2791	5.00000	7.00000	99.75000		
0.00000	0.00000	-0.22237	1	2792	-40.00000	8.00000	99.75000		
0.00000	0.00000	-0.26090	1	2793	-39.00000	8.00000	99.75000		
0.00000	0.00000	-0.30611	1	2794	-38.00000	8.00000	99.75000		
0.00000	0.00000	-0.35945	1	2795	-37.00000	8.00000	99.75000		
0.00000	0.00000	-0.42276	1	2796	-36.00000	8.00000	99.75000		
0.00000	0.00000	-0.49830	1	2797	-35.00000	8.00000	99.75000		
0.00000	0.00000	-0.58861	1	2798	-34.00000	8.00000	99.75000		
0.00000	0.00000	-0.69551	1	2799	-33.00000	8.00000	99.75000		
0.00000	0.00000	-0.81665	1	2800	-32.00000	8.00000	99.75000		
0.00000	0.00000	-0.94217	1	2801	-31.00000	8.00000	99.75000		
0.00000	0.00000	-1.06231	1	2802	-30.00000	8.00000	99.75000		
0.00000	0.00000	-1.17505	1	2803	-29.00000	8.00000	99.75000		
0.00000	0.00000	-1.28245	1	2804	-28.00000	8.00000	99.75000		
0.00000	0.00000	-1.38683	1	2805	-27.00000	8.00000	99.75000		
0.00000	0.00000	-1.48894	1	2806	-26.00000	8.00000	99.75000		
				2807	-25.00000	8.00000	99.75000		



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-1.58739	1					
			2808	-24.00000	8.00000	99.75000		
0.00000	0.00000	-1.67985	1					
			2809	-23.00000	8.00000	99.75000		
0.00000	0.00000	-1.76555	1					
			2810	-22.00000	8.00000	99.75000		
0.00000	0.00000	-1.84594	1					
			2811	-21.00000	8.00000	99.75000		
0.00000	0.00000	-1.92418	1					
			2812	-20.00000	8.00000	99.75000		
0.00000	0.00000	-2.00435	1					
			2813	-19.00000	8.00000	99.75000		
0.00000	0.00000	-2.08958	1					
			2814	-18.00000	8.00000	99.75000		
0.00000	0.00000	-2.17649	1					
			2815	-17.00000	8.00000	99.75000		
0.00000	0.00000	-2.25088	1					
			2816	-16.00000	8.00000	99.75000		
0.00000	0.00000	-2.30002	1					
			2817	-15.00000	8.00000	99.75000		
0.00000	0.00000	-2.32145	1					
			2818	-14.00000	8.00000	99.75000		
0.00000	0.00000	-2.31706	1					
			2819	-13.00000	8.00000	99.75000		
0.00000	0.00000	-2.28891	1					
			2820	-12.00000	8.00000	99.75000		
0.00000	0.00000	-2.23853	1					
			2821	-11.00000	8.00000	99.75000		
0.00000	0.00000	-2.16755	1					
			2822	-10.00000	8.00000	99.75000		
0.00000	0.00000	-2.07801	1					
			2823	-9.00000	8.00000	99.75000		
0.00000	0.00000	-1.97071	1					
			2824	-8.00000	8.00000	99.75000		
0.00000	0.00000	-1.84298	1					
			2825	-7.00000	8.00000	99.75000		
0.00000	0.00000	-1.68914	1					
			2826	-6.00000	8.00000	99.75000		
0.00000	0.00000	-1.50467	1					
			2827	-5.00000	8.00000	99.75000		
0.00000	0.00000	-1.29626	1					
			2828	-4.00000	8.00000	99.75000		
0.00000	0.00000	-1.08962	1					
			2829	-3.00000	8.00000	99.75000		
0.00000	0.00000	-0.90875	1					
			2830	-2.00000	8.00000	99.75000		
0.00000	0.00000	-0.75913	1					
			2831	-1.00000	8.00000	99.75000		
0.00000	0.00000	-0.63693	1					
			2832	0.00000	8.00000	99.75000		
0.00000	0.00000	-0.53685	1					
			2833	1.00000	8.00000	99.75000		
0.00000	0.00000	-0.45428	1					
			2834	2.00000	8.00000	99.75000		
0.00000	0.00000	-0.38561	1					
			2835	3.00000	8.00000	99.75000		
0.00000	0.00000	-0.32806	1					
			2836	4.00000	8.00000	99.75000		
0.00000	0.00000	-0.27948	1					
			2837	5.00000	8.00000	99.75000		
0.00000	0.00000	-0.23821	1					
			2838	-40.00000	9.00000	99.75000		
0.00000	0.00000	-0.20712	1					
			2839	-39.00000	9.00000	99.75000		
0.00000	0.00000	-0.24183	1					
			2840	-38.00000	9.00000	99.75000		
0.00000	0.00000	-0.28199	1					
			2841	-37.00000	9.00000	99.75000		
0.00000	0.00000	-0.32857	1					
			2842	-36.00000	9.00000	99.75000		
0.00000	0.00000	-0.38263	1					
			2843	-35.00000	9.00000	99.75000		
0.00000	0.00000	-0.44529	1					
			2844	-34.00000	9.00000	99.75000		
0.00000	0.00000	-0.51736	1					
			2845	-33.00000	9.00000	99.75000		
0.00000	0.00000	-0.59877	1					



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.68754	1	2846	-32.00000	9.00000	99.75000
0.00000	0.00000	-0.77974	1	2847	-31.00000	9.00000	99.75000
0.00000	0.00000	-0.87146	1	2848	-30.00000	9.00000	99.75000
0.00000	0.00000	-0.96077	1	2849	-29.00000	9.00000	99.75000
0.00000	0.00000	-1.04745	1	2850	-28.00000	9.00000	99.75000
0.00000	0.00000	-1.13182	1	2851	-27.00000	9.00000	99.75000
0.00000	0.00000	-1.21380	1	2852	-26.00000	9.00000	99.75000
0.00000	0.00000	-1.29257	1	2853	-25.00000	9.00000	99.75000
0.00000	0.00000	-1.36713	1	2854	-24.00000	9.00000	99.75000
0.00000	0.00000	-1.43702	1	2855	-23.00000	9.00000	99.75000
0.00000	0.00000	-1.50271	1	2856	-22.00000	9.00000	99.75000
0.00000	0.00000	-1.56540	1	2857	-21.00000	9.00000	99.75000
0.00000	0.00000	-1.62629	1	2858	-20.00000	9.00000	99.75000
0.00000	0.00000	-1.68542	1	2859	-19.00000	9.00000	99.75000
0.00000	0.00000	-1.74013	1	2860	-18.00000	9.00000	99.75000
0.00000	0.00000	-1.78502	1	2861	-17.00000	9.00000	99.75000
0.00000	0.00000	-1.81484	1	2862	-16.00000	9.00000	99.75000
0.00000	0.00000	-1.82700	1	2863	-15.00000	9.00000	99.75000
0.00000	0.00000	-1.82105	1	2864	-14.00000	9.00000	99.75000
0.00000	0.00000	-1.79746	1	2865	-13.00000	9.00000	99.75000
0.00000	0.00000	-1.75700	1	2866	-12.00000	9.00000	99.75000
0.00000	0.00000	-1.70066	1	2867	-11.00000	9.00000	99.75000
0.00000	0.00000	-1.62945	1	2868	-10.00000	9.00000	99.75000
0.00000	0.00000	-1.54386	1	2869	-9.00000	9.00000	99.75000
0.00000	0.00000	-1.44333	1	2870	-8.00000	9.00000	99.75000
0.00000	0.00000	-1.32693	1	2871	-7.00000	9.00000	99.75000
0.00000	0.00000	-1.19545	1	2872	-6.00000	9.00000	99.75000
0.00000	0.00000	-1.05431	1	2873	-5.00000	9.00000	99.75000
0.00000	0.00000	-0.91375	1	2874	-4.00000	9.00000	99.75000
0.00000	0.00000	-0.78374	1	2875	-3.00000	9.00000	99.75000
0.00000	0.00000	-0.66932	1	2876	-2.00000	9.00000	99.75000
0.00000	0.00000	-0.57110	1	2877	-1.00000	9.00000	99.75000
0.00000	0.00000	-0.48762	1	2878	0.00000	9.00000	99.75000
0.00000	0.00000	-0.41680	1	2879	1.00000	9.00000	99.75000
0.00000	0.00000	-0.35663	1	2880	2.00000	9.00000	99.75000
0.00000	0.00000	-0.30534	1	2881	3.00000	9.00000	99.75000
0.00000	0.00000	-0.26146	1	2882	4.00000	9.00000	99.75000
0.00000	0.00000	-0.22377	1	2883	5.00000	9.00000	99.75000
				2884	-40.00000	10.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.19154	1	2885	-39.00000	10.00000	99.75000
0.00000	0.00000	-0.22260	1	2886	-38.00000	10.00000	99.75000
0.00000	0.00000	-0.25806	1	2887	-37.00000	10.00000	99.75000
0.00000	0.00000	-0.29852	1	2888	-36.00000	10.00000	99.75000
0.00000	0.00000	-0.34459	1	2889	-35.00000	10.00000	99.75000
0.00000	0.00000	-0.39674	1	2890	-34.00000	10.00000	99.75000
0.00000	0.00000	-0.45515	1	2891	-33.00000	10.00000	99.75000
0.00000	0.00000	-0.51939	1	2892	-32.00000	10.00000	99.75000
0.00000	0.00000	-0.58820	1	2893	-31.00000	10.00000	99.75000
0.00000	0.00000	-0.65966	1	2894	-30.00000	10.00000	99.75000
0.00000	0.00000	-0.73181	1	2895	-29.00000	10.00000	99.75000
0.00000	0.00000	-0.80330	1	2896	-28.00000	10.00000	99.75000
0.00000	0.00000	-0.87346	1	2897	-27.00000	10.00000	99.75000
0.00000	0.00000	-0.94194	1	2898	-26.00000	10.00000	99.75000
0.00000	0.00000	-1.00835	1	2899	-25.00000	10.00000	99.75000
0.00000	0.00000	-1.07211	1	2900	-24.00000	10.00000	99.75000
0.00000	0.00000	-1.13263	1	2901	-23.00000	10.00000	99.75000
0.00000	0.00000	-1.18956	1	2902	-22.00000	10.00000	99.75000
0.00000	0.00000	-1.24290	1	2903	-21.00000	10.00000	99.75000
0.00000	0.00000	-1.29292	1	2904	-20.00000	10.00000	99.75000
0.00000	0.00000	-1.33969	1	2905	-19.00000	10.00000	99.75000
0.00000	0.00000	-1.38265	1	2906	-18.00000	10.00000	99.75000
0.00000	0.00000	-1.42010	1	2907	-17.00000	10.00000	99.75000
0.00000	0.00000	-1.44946	1	2908	-16.00000	10.00000	99.75000
0.00000	0.00000	-1.46817	1	2909	-15.00000	10.00000	99.75000
0.00000	0.00000	-1.47449	1	2910	-14.00000	10.00000	99.75000
0.00000	0.00000	-1.46768	1	2911	-13.00000	10.00000	99.75000
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0.00000	0.00000	-1.41478	1	2913	-11.00000	10.00000	99.75000
0.00000	0.00000	-1.36958	1	2914	-10.00000	10.00000	99.75000
0.00000	0.00000	-1.31270	1	2915	-9.00000	10.00000	99.75000
0.00000	0.00000	-1.24466	1	2916	-8.00000	10.00000	99.75000
0.00000	0.00000	-1.16581	1	2917	-7.00000	10.00000	99.75000
0.00000	0.00000	-1.07675	1	2918	-6.00000	10.00000	99.75000
0.00000	0.00000	-0.97917	1	2919	-5.00000	10.00000	99.75000
0.00000	0.00000	-0.87663	1	2920	-4.00000	10.00000	99.75000
0.00000	0.00000	-0.77421	1	2921	-3.00000	10.00000	99.75000
0.00000	0.00000	-0.67692	1	2922	-2.00000	10.00000	99.75000
0.00000	0.00000	-0.58808	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.50904	1	2923	-1.00000	10.00000	99.75000
0.00000	0.00000	-0.43976	1	2924	0.00000	10.00000	99.75000
0.00000	0.00000	-0.37951	1	2925	1.00000	10.00000	99.75000
0.00000	0.00000	-0.32726	1	2926	2.00000	10.00000	99.75000
0.00000	0.00000	-0.28198	1	2927	3.00000	10.00000	99.75000
0.00000	0.00000	-0.24271	1	2928	4.00000	10.00000	99.75000
0.00000	0.00000	-0.20859	1	2929	5.00000	10.00000	99.75000
0.00000	0.00000	-0.17599	1	2930	-40.00000	11.00000	99.75000
0.00000	0.00000	-0.20364	1	2931	-39.00000	11.00000	99.75000
0.00000	0.00000	-0.23483	1	2932	-38.00000	11.00000	99.75000
0.00000	0.00000	-0.26993	1	2933	-37.00000	11.00000	99.75000
0.00000	0.00000	-0.30923	1	2934	-36.00000	11.00000	99.75000
0.00000	0.00000	-0.35293	1	2935	-35.00000	11.00000	99.75000
0.00000	0.00000	-0.40096	1	2936	-34.00000	11.00000	99.75000
0.00000	0.00000	-0.45292	1	2937	-33.00000	11.00000	99.75000
0.00000	0.00000	-0.50799	1	2938	-32.00000	11.00000	99.75000
0.00000	0.00000	-0.56508	1	2939	-31.00000	11.00000	99.75000
0.00000	0.00000	-0.62306	1	2940	-30.00000	11.00000	99.75000
0.00000	0.00000	-0.68096	1	2941	-29.00000	11.00000	99.75000
0.00000	0.00000	-0.73813	1	2942	-28.00000	11.00000	99.75000
0.00000	0.00000	-0.79406	1	2943	-27.00000	11.00000	99.75000
0.00000	0.00000	-0.84829	1	2944	-26.00000	11.00000	99.75000
0.00000	0.00000	-0.90034	1	2945	-25.00000	11.00000	99.75000
0.00000	0.00000	-0.94977	1	2946	-24.00000	11.00000	99.75000
0.00000	0.00000	-0.99625	1	2947	-23.00000	11.00000	99.75000
0.00000	0.00000	-1.03956	1	2948	-22.00000	11.00000	99.75000
0.00000	0.00000	-1.07957	1	2949	-21.00000	11.00000	99.75000
0.00000	0.00000	-1.11600	1	2950	-20.00000	11.00000	99.75000
0.00000	0.00000	-1.14823	1	2951	-19.00000	11.00000	99.75000
0.00000	0.00000	-1.17516	1	2952	-18.00000	11.00000	99.75000
0.00000	0.00000	-1.19536	1	2953	-17.00000	11.00000	99.75000
0.00000	0.00000	-1.20742	1	2954	-16.00000	11.00000	99.75000
0.00000	0.00000	-1.21024	1	2955	-15.00000	11.00000	99.75000
0.00000	0.00000	-1.20320	1	2956	-14.00000	11.00000	99.75000
0.00000	0.00000	-1.18612	1	2957	-13.00000	11.00000	99.75000
0.00000	0.00000	-1.15911	1	2958	-12.00000	11.00000	99.75000
0.00000	0.00000	-1.12253	1	2959	-11.00000	11.00000	99.75000
0.00000	0.00000	-1.07683	1	2960	-10.00000	11.00000	99.75000
				2961	-9.00000	11.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x
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			2962	-8.00000	11.00000	99.75000	
0.00000	0.00000	-0.96040	1				
			2963	-7.00000	11.00000	99.75000	
0.00000	0.00000	-0.89124	1				
			2964	-6.00000	11.00000	99.75000	
0.00000	0.00000	-0.81666	1				
			2965	-5.00000	11.00000	99.75000	
0.00000	0.00000	-0.73903	1				
			2966	-4.00000	11.00000	99.75000	
0.00000	0.00000	-0.66126	1				
			2967	-3.00000	11.00000	99.75000	
0.00000	0.00000	-0.58621	1				
			2968	-2.00000	11.00000	99.75000	
0.00000	0.00000	-0.51606	1				
			2969	-1.00000	11.00000	99.75000	
0.00000	0.00000	-0.45203	1				
			2970	0.00000	11.00000	99.75000	
0.00000	0.00000	-0.39453	1				
			2971	1.00000	11.00000	99.75000	
0.00000	0.00000	-0.34345	1				
			2972	2.00000	11.00000	99.75000	
0.00000	0.00000	-0.29833	1				
			2973	3.00000	11.00000	99.75000	
0.00000	0.00000	-0.25862	1				
			2974	4.00000	11.00000	99.75000	
0.00000	0.00000	-0.22371	1				
			2975	5.00000	11.00000	99.75000	
0.00000	0.00000	-0.19305	1				
			2976	-40.00000	12.00000	99.75000	
0.00000	0.00000	-0.16072	1				
			2977	-39.00000	12.00000	99.75000	
0.00000	0.00000	-0.18527	1				
			2978	-38.00000	12.00000	99.75000	
0.00000	0.00000	-0.21265	1				
			2979	-37.00000	12.00000	99.75000	
0.00000	0.00000	-0.24309	1				
			2980	-36.00000	12.00000	99.75000	
0.00000	0.00000	-0.27673	1				
			2981	-35.00000	12.00000	99.75000	
0.00000	0.00000	-0.31360	1				
			2982	-34.00000	12.00000	99.75000	
0.00000	0.00000	-0.35358	1				
			2983	-33.00000	12.00000	99.75000	
0.00000	0.00000	-0.39634	1				
			2984	-32.00000	12.00000	99.75000	
0.00000	0.00000	-0.44133	1				
			2985	-31.00000	12.00000	99.75000	
0.00000	0.00000	-0.48785	1				
			2986	-30.00000	12.00000	99.75000	
0.00000	0.00000	-0.53515	1				
			2987	-29.00000	12.00000	99.75000	
0.00000	0.00000	-0.58256	1				
			2988	-28.00000	12.00000	99.75000	
0.00000	0.00000	-0.62950	1				
			2989	-27.00000	12.00000	99.75000	
0.00000	0.00000	-0.67549	1				
			2990	-26.00000	12.00000	99.75000	
0.00000	0.00000	-0.72009	1				
			2991	-25.00000	12.00000	99.75000	
0.00000	0.00000	-0.76288	1				
			2992	-24.00000	12.00000	99.75000	
0.00000	0.00000	-0.80347	1				
			2993	-23.00000	12.00000	99.75000	
0.00000	0.00000	-0.84155	1				
			2994	-22.00000	12.00000	99.75000	
0.00000	0.00000	-0.87682	1				
			2995	-21.00000	12.00000	99.75000	
0.00000	0.00000	-0.90900	1				
			2996	-20.00000	12.00000	99.75000	
0.00000	0.00000	-0.93774	1				
			2997	-19.00000	12.00000	99.75000	
0.00000	0.00000	-0.96248	1				
			2998	-18.00000	12.00000	99.75000	
0.00000	0.00000	-0.98249	1				
			2999	-17.00000	12.00000	99.75000	
0.00000	0.00000	-0.99689	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-1.00482	1	3000	-16.00000	12.00000	99.75000
0.00000	0.00000	-1.00559	1	3001	-15.00000	12.00000	99.75000
0.00000	0.00000	-0.99875	1	3002	-14.00000	12.00000	99.75000
0.00000	0.00000	-0.98414	1	3003	-13.00000	12.00000	99.75000
0.00000	0.00000	-0.96179	1	3004	-12.00000	12.00000	99.75000
0.00000	0.00000	-0.93195	1	3005	-11.00000	12.00000	99.75000
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0.00000	0.00000	-0.85148	1	3007	-9.00000	12.00000	99.75000
0.00000	0.00000	-0.80202	1	3008	-8.00000	12.00000	99.75000
0.00000	0.00000	-0.74753	1	3009	-7.00000	12.00000	99.75000
0.00000	0.00000	-0.68928	1	3010	-6.00000	12.00000	99.75000
0.00000	0.00000	-0.62888	1	3011	-5.00000	12.00000	99.75000
0.00000	0.00000	-0.56818	1	3012	-4.00000	12.00000	99.75000
0.00000	0.00000	-0.50897	1	3013	-3.00000	12.00000	99.75000
0.00000	0.00000	-0.45273	1	3014	-2.00000	12.00000	99.75000
0.00000	0.00000	-0.40042	1	3015	-1.00000	12.00000	99.75000
0.00000	0.00000	-0.35256	1	3016	0.00000	12.00000	99.75000
0.00000	0.00000	-0.30927	1	3017	1.00000	12.00000	99.75000
0.00000	0.00000	-0.27043	1	3018	2.00000	12.00000	99.75000
0.00000	0.00000	-0.23574	1	3019	3.00000	12.00000	99.75000
0.00000	0.00000	-0.20488	1	3020	4.00000	12.00000	99.75000
0.00000	0.00000	-0.17748	1	3021	5.00000	12.00000	99.75000
0.00000	0.00000	-0.14594	1	3022	-40.00000	13.00000	99.75000
0.00000	0.00000	-0.16769	1	3023	-39.00000	13.00000	99.75000
0.00000	0.00000	-0.19172	1	3024	-38.00000	13.00000	99.75000
0.00000	0.00000	-0.21815	1	3025	-37.00000	13.00000	99.75000
0.00000	0.00000	-0.24703	1	3026	-36.00000	13.00000	99.75000
0.00000	0.00000	-0.27835	1	3027	-35.00000	13.00000	99.75000
0.00000	0.00000	-0.27835	1	3028	-34.00000	13.00000	99.75000
0.00000	0.00000	-0.31196	1	3029	-33.00000	13.00000	99.75000
0.00000	0.00000	-0.34760	1	3030	-32.00000	13.00000	99.75000
0.00000	0.00000	-0.38487	1	3031	-31.00000	13.00000	99.75000
0.00000	0.00000	-0.42329	1	3032	-30.00000	13.00000	99.75000
0.00000	0.00000	-0.46235	1	3033	-29.00000	13.00000	99.75000
0.00000	0.00000	-0.50152	1	3034	-28.00000	13.00000	99.75000
0.00000	0.00000	-0.54035	1	3035	-27.00000	13.00000	99.75000
0.00000	0.00000	-0.57841	1	3036	-26.00000	13.00000	99.75000
0.00000	0.00000	-0.61531	1	3037	-25.00000	13.00000	99.75000
0.00000	0.00000	-0.65069	1	3038	-24.00000	13.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.68420	1	3039	-23.00000	13.00000	99.75000
0.00000	0.00000	-0.71552	1	3040	-22.00000	13.00000	99.75000
0.00000	0.00000	-0.74437	1	3041	-21.00000	13.00000	99.75000
0.00000	0.00000	-0.77042	1	3042	-20.00000	13.00000	99.75000
0.00000	0.00000	-0.79334	1	3043	-19.00000	13.00000	99.75000
0.00000	0.00000	-0.81267	1	3044	-18.00000	13.00000	99.75000
0.00000	0.00000	-0.82789	1	3045	-17.00000	13.00000	99.75000
0.00000	0.00000	-0.83842	1	3046	-16.00000	13.00000	99.75000
0.00000	0.00000	-0.84371	1	3047	-15.00000	13.00000	99.75000
0.00000	0.00000	-0.84331	1	3048	-14.00000	13.00000	99.75000
0.00000	0.00000	-0.83693	1	3049	-13.00000	13.00000	99.75000
0.00000	0.00000	-0.82442	1	3050	-12.00000	13.00000	99.75000
0.00000	0.00000	-0.80582	1	3051	-11.00000	13.00000	99.75000
0.00000	0.00000	-0.78134	1	3052	-10.00000	13.00000	99.75000
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0.00000	0.00000	-0.71609	1	3054	-8.00000	13.00000	99.75000
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0.00000	0.00000	-0.63288	1	3056	-6.00000	13.00000	99.75000
0.00000	0.00000	-0.58660	1	3057	-5.00000	13.00000	99.75000
0.00000	0.00000	-0.53868	1	3058	-4.00000	13.00000	99.75000
0.00000	0.00000	-0.49035	1	3059	-3.00000	13.00000	99.75000
0.00000	0.00000	-0.44284	1	3060	-2.00000	13.00000	99.75000
0.00000	0.00000	-0.39717	1	3061	-1.00000	13.00000	99.75000
0.00000	0.00000	-0.35409	1	3062	0.00000	13.00000	99.75000
0.00000	0.00000	-0.31407	1	3063	1.00000	13.00000	99.75000
0.00000	0.00000	-0.27734	1	3064	2.00000	13.00000	99.75000
0.00000	0.00000	-0.24392	1	3065	3.00000	13.00000	99.75000
0.00000	0.00000	-0.21371	1	3066	4.00000	13.00000	99.75000
0.00000	0.00000	-0.18652	1	3067	5.00000	13.00000	99.75000
0.00000	0.00000	-0.16213	1	3068	-40.00000	14.00000	99.75000
0.00000	0.00000	-0.13177	1	3069	-39.00000	14.00000	99.75000
0.00000	0.00000	-0.15102	1	3070	-38.00000	14.00000	99.75000
0.00000	0.00000	-0.17211	1	3071	-37.00000	14.00000	99.75000
0.00000	0.00000	-0.19510	1	3072	-36.00000	14.00000	99.75000
0.00000	0.00000	-0.21999	1	3073	-35.00000	14.00000	99.75000
0.00000	0.00000	-0.24674	1	3074	-34.00000	14.00000	99.75000
0.00000	0.00000	-0.27522	1	3075	-33.00000	14.00000	99.75000
0.00000	0.00000	-0.30520	1	3076	-32.00000	14.00000	99.75000
0.00000	0.00000	-0.33640	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.36847	1	3077	-31.00000	14.00000	99.75000
0.00000	0.00000	-0.40101	1	3078	-30.00000	14.00000	99.75000
0.00000	0.00000	-0.43363	1	3079	-29.00000	14.00000	99.75000
0.00000	0.00000	-0.46597	1	3080	-28.00000	14.00000	99.75000
0.00000	0.00000	-0.49765	1	3081	-27.00000	14.00000	99.75000
0.00000	0.00000	-0.52835	1	3082	-26.00000	14.00000	99.75000
0.00000	0.00000	-0.55775	1	3083	-25.00000	14.00000	99.75000
0.00000	0.00000	-0.58553	1	3084	-24.00000	14.00000	99.75000
0.00000	0.00000	-0.61141	1	3085	-23.00000	14.00000	99.75000
0.00000	0.00000	-0.63512	1	3086	-22.00000	14.00000	99.75000
0.00000	0.00000	-0.65635	1	3087	-21.00000	14.00000	99.75000
0.00000	0.00000	-0.67480	1	3088	-20.00000	14.00000	99.75000
0.00000	0.00000	-0.69011	1	3089	-19.00000	14.00000	99.75000
0.00000	0.00000	-0.70189	1	3090	-18.00000	14.00000	99.75000
0.00000	0.00000	-0.70975	1	3091	-17.00000	14.00000	99.75000
0.00000	0.00000	-0.71332	1	3092	-16.00000	14.00000	99.75000
0.00000	0.00000	-0.71229	1	3093	-15.00000	14.00000	99.75000
0.00000	0.00000	-0.70647	1	3094	-14.00000	14.00000	99.75000
0.00000	0.00000	-0.69577	1	3095	-13.00000	14.00000	99.75000
0.00000	0.00000	-0.68024	1	3096	-12.00000	14.00000	99.75000
0.00000	0.00000	-0.66002	1	3097	-11.00000	14.00000	99.75000
0.00000	0.00000	-0.63539	1	3098	-10.00000	14.00000	99.75000
0.00000	0.00000	-0.60674	1	3099	-9.00000	14.00000	99.75000
0.00000	0.00000	-0.57455	1	3100	-8.00000	14.00000	99.75000
0.00000	0.00000	-0.53945	1	3101	-7.00000	14.00000	99.75000
0.00000	0.00000	-0.50218	1	3102	-6.00000	14.00000	99.75000
0.00000	0.00000	-0.46358	1	3103	-5.00000	14.00000	99.75000
0.00000	0.00000	-0.42453	1	3104	-4.00000	14.00000	99.75000
0.00000	0.00000	-0.38589	1	3105	-3.00000	14.00000	99.75000
0.00000	0.00000	-0.34840	1	3106	-2.00000	14.00000	99.75000
0.00000	0.00000	-0.31264	1	3107	-1.00000	14.00000	99.75000
0.00000	0.00000	-0.27903	1	3108	0.00000	14.00000	99.75000
0.00000	0.00000	-0.24779	1	3109	1.00000	14.00000	99.75000
0.00000	0.00000	-0.21904	1	3110	2.00000	14.00000	99.75000
0.00000	0.00000	-0.19275	1	3111	3.00000	14.00000	99.75000
0.00000	0.00000	-0.16885	1	3112	4.00000	14.00000	99.75000
0.00000	0.00000	-0.14721	1	3113	5.00000	14.00000	99.75000
0.00000	0.00000	-0.11831	1	3114	-40.00000	15.00000	99.75000
				3115	-39.00000	15.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.13534	1	3116	-38.00000	15.00000	99.75000
0.00000	0.00000	-0.15386	1	3117	-37.00000	15.00000	99.75000
0.00000	0.00000	-0.17389	1	3118	-36.00000	15.00000	99.75000
0.00000	0.00000	-0.19541	1	3119	-35.00000	15.00000	99.75000
0.00000	0.00000	-0.21837	1	3120	-34.00000	15.00000	99.75000
0.00000	0.00000	-0.24265	1	3121	-33.00000	15.00000	99.75000
0.00000	0.00000	-0.26806	1	3122	-32.00000	15.00000	99.75000
0.00000	0.00000	-0.29439	1	3123	-31.00000	15.00000	99.75000
0.00000	0.00000	-0.32136	1	3124	-30.00000	15.00000	99.75000
0.00000	0.00000	-0.34868	1	3125	-29.00000	15.00000	99.75000
0.00000	0.00000	-0.37603	1	3126	-28.00000	15.00000	99.75000
0.00000	0.00000	-0.40311	1	3127	-27.00000	15.00000	99.75000
0.00000	0.00000	-0.42963	1	3128	-26.00000	15.00000	99.75000
0.00000	0.00000	-0.45530	1	3129	-25.00000	15.00000	99.75000
0.00000	0.00000	-0.47983	1	3130	-24.00000	15.00000	99.75000
0.00000	0.00000	-0.50297	1	3131	-23.00000	15.00000	99.75000
0.00000	0.00000	-0.52445	1	3132	-22.00000	15.00000	99.75000
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0.00000	0.00000	-0.56143	1	3134	-20.00000	15.00000	99.75000
0.00000	0.00000	-0.57641	1	3135	-19.00000	15.00000	99.75000
0.00000	0.00000	-0.58866	1	3136	-18.00000	15.00000	99.75000
0.00000	0.00000	-0.59792	1	3137	-17.00000	15.00000	99.75000
0.00000	0.00000	-0.60388	1	3138	-16.00000	15.00000	99.75000
0.00000	0.00000	-0.60630	1	3139	-15.00000	15.00000	99.75000
0.00000	0.00000	-0.60496	1	3140	-14.00000	15.00000	99.75000
0.00000	0.00000	-0.59975	1	3141	-13.00000	15.00000	99.75000
0.00000	0.00000	-0.59061	1	3142	-12.00000	15.00000	99.75000
0.00000	0.00000	-0.57758	1	3143	-11.00000	15.00000	99.75000
0.00000	0.00000	-0.56080	1	3144	-10.00000	15.00000	99.75000
0.00000	0.00000	-0.54050	1	3145	-9.00000	15.00000	99.75000
0.00000	0.00000	-0.51699	1	3146	-8.00000	15.00000	99.75000
0.00000	0.00000	-0.49069	1	3147	-7.00000	15.00000	99.75000
0.00000	0.00000	-0.46208	1	3148	-6.00000	15.00000	99.75000
0.00000	0.00000	-0.43173	1	3149	-5.00000	15.00000	99.75000
0.00000	0.00000	-0.40026	1	3150	-4.00000	15.00000	99.75000
0.00000	0.00000	-0.36834	1	3151	-3.00000	15.00000	99.75000
0.00000	0.00000	-0.33657	1	3152	-2.00000	15.00000	99.75000
0.00000	0.00000	-0.30551	1	3153	-1.00000	15.00000	99.75000
0.00000	0.00000	-0.27563	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.24726	1	3154	0.00000	15.00000	99.75000
0.00000	0.00000	-0.22063	1	3155	1.00000	15.00000	99.75000
0.00000	0.00000	-0.19587	1	3156	2.00000	15.00000	99.75000
0.00000	0.00000	-0.17300	1	3157	3.00000	15.00000	99.75000
0.00000	0.00000	-0.15202	1	3158	4.00000	15.00000	99.75000
0.00000	0.00000	-0.13286	1	3159	5.00000	15.00000	99.75000
0.00000	0.00000	-0.10560	1	3160	-40.00000	16.00000	99.75000
0.00000	0.00000	-0.12066	1	3161	-39.00000	16.00000	99.75000
0.00000	0.00000	-0.13694	1	3162	-38.00000	16.00000	99.75000
0.00000	0.00000	-0.15442	1	3163	-37.00000	16.00000	99.75000
0.00000	0.00000	-0.17309	1	3164	-36.00000	16.00000	99.75000
0.00000	0.00000	-0.19287	1	3165	-35.00000	16.00000	99.75000
0.00000	0.00000	-0.21367	1	3166	-34.00000	16.00000	99.75000
0.00000	0.00000	-0.23534	1	3167	-33.00000	16.00000	99.75000
0.00000	0.00000	-0.25770	1	3168	-32.00000	16.00000	99.75000
0.00000	0.00000	-0.28053	1	3169	-31.00000	16.00000	99.75000
0.00000	0.00000	-0.30360	1	3170	-30.00000	16.00000	99.75000
0.00000	0.00000	-0.32666	1	3171	-29.00000	16.00000	99.75000
0.00000	0.00000	-0.34947	1	3172	-28.00000	16.00000	99.75000
0.00000	0.00000	-0.37177	1	3173	-27.00000	16.00000	99.75000
0.00000	0.00000	-0.39332	1	3174	-26.00000	16.00000	99.75000
0.00000	0.00000	-0.41388	1	3175	-25.00000	16.00000	99.75000
0.00000	0.00000	-0.43323	1	3176	-24.00000	16.00000	99.75000
0.00000	0.00000	-0.45113	1	3177	-23.00000	16.00000	99.75000
0.00000	0.00000	-0.46737	1	3178	-22.00000	16.00000	99.75000
0.00000	0.00000	-0.48172	1	3179	-21.00000	16.00000	99.75000
0.00000	0.00000	-0.49397	1	3180	-20.00000	16.00000	99.75000
0.00000	0.00000	-0.50387	1	3181	-19.00000	16.00000	99.75000
0.00000	0.00000	-0.51123	1	3182	-18.00000	16.00000	99.75000
0.00000	0.00000	-0.51581	1	3183	-17.00000	16.00000	99.75000
0.00000	0.00000	-0.51745	1	3184	-16.00000	16.00000	99.75000
0.00000	0.00000	-0.51601	1	3185	-15.00000	16.00000	99.75000
0.00000	0.00000	-0.51139	1	3186	-14.00000	16.00000	99.75000
0.00000	0.00000	-0.50357	1	3187	-13.00000	16.00000	99.75000
0.00000	0.00000	-0.49261	1	3188	-12.00000	16.00000	99.75000
0.00000	0.00000	-0.47862	1	3189	-11.00000	16.00000	99.75000
0.00000	0.00000	-0.46179	1	3190	-10.00000	16.00000	99.75000
0.00000	0.00000	-0.44238	1	3191	-9.00000	16.00000	99.75000
				3192	-8.00000	16.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.42072	1	3193	-7.00000	16.00000	99.75000
0.00000	0.00000	-0.39719	1	3194	-6.00000	16.00000	99.75000
0.00000	0.00000	-0.37224	1	3195	-5.00000	16.00000	99.75000
0.00000	0.00000	-0.34635	1	3196	-4.00000	16.00000	99.75000
0.00000	0.00000	-0.31999	1	3197	-3.00000	16.00000	99.75000
0.00000	0.00000	-0.29364	1	3198	-2.00000	16.00000	99.75000
0.00000	0.00000	-0.26773	1	3199	-1.00000	16.00000	99.75000
0.00000	0.00000	-0.24260	1	3200	0.00000	16.00000	99.75000
0.00000	0.00000	-0.21855	1	3201	1.00000	16.00000	99.75000
0.00000	0.00000	-0.19578	1	3202	2.00000	16.00000	99.75000
0.00000	0.00000	-0.17442	1	3203	3.00000	16.00000	99.75000
0.00000	0.00000	-0.15453	1	3204	4.00000	16.00000	99.75000
0.00000	0.00000	-0.13613	1	3205	5.00000	16.00000	99.75000
0.00000	0.00000	-0.11919	1	3206	-40.00000	17.00000	99.75000
0.00000	0.00000	-0.09366	1	3207	-39.00000	17.00000	99.75000
0.00000	0.00000	-0.10698	1	3208	-38.00000	17.00000	99.75000
0.00000	0.00000	-0.12130	1	3209	-37.00000	17.00000	99.75000
0.00000	0.00000	-0.13658	1	3210	-36.00000	17.00000	99.75000
0.00000	0.00000	-0.15282	1	3211	-35.00000	17.00000	99.75000
0.00000	0.00000	-0.16993	1	3212	-34.00000	17.00000	99.75000
0.00000	0.00000	-0.18782	1	3213	-33.00000	17.00000	99.75000
0.00000	0.00000	-0.20639	1	3214	-32.00000	17.00000	99.75000
0.00000	0.00000	-0.22547	1	3215	-31.00000	17.00000	99.75000
0.00000	0.00000	-0.24489	1	3216	-30.00000	17.00000	99.75000
0.00000	0.00000	-0.26448	1	3217	-29.00000	17.00000	99.75000
0.00000	0.00000	-0.28402	1	3218	-28.00000	17.00000	99.75000
0.00000	0.00000	-0.30331	1	3219	-27.00000	17.00000	99.75000
0.00000	0.00000	-0.32214	1	3220	-26.00000	17.00000	99.75000
0.00000	0.00000	-0.34031	1	3221	-25.00000	17.00000	99.75000
0.00000	0.00000	-0.35761	1	3222	-24.00000	17.00000	99.75000
0.00000	0.00000	-0.37385	1	3223	-23.00000	17.00000	99.75000
0.00000	0.00000	-0.38883	1	3224	-22.00000	17.00000	99.75000
0.00000	0.00000	-0.40237	1	3225	-21.00000	17.00000	99.75000
0.00000	0.00000	-0.41426	1	3226	-20.00000	17.00000	99.75000
0.00000	0.00000	-0.42434	1	3227	-19.00000	17.00000	99.75000
0.00000	0.00000	-0.43241	1	3228	-18.00000	17.00000	99.75000
0.00000	0.00000	-0.43831	1	3229	-17.00000	17.00000	99.75000
0.00000	0.00000	-0.44188	1	3230	-16.00000	17.00000	99.75000
0.00000	0.00000	-0.44299	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.44155	1	3231	-15.00000	17.00000	99.75000
0.00000	0.00000	-0.43749	1	3232	-14.00000	17.00000	99.75000
0.00000	0.00000	-0.43080	1	3233	-13.00000	17.00000	99.75000
0.00000	0.00000	-0.42155	1	3234	-12.00000	17.00000	99.75000
0.00000	0.00000	-0.40983	1	3235	-11.00000	17.00000	99.75000
0.00000	0.00000	-0.39580	1	3236	-10.00000	17.00000	99.75000
0.00000	0.00000	-0.37967	1	3237	-9.00000	17.00000	99.75000
0.00000	0.00000	-0.36171	1	3238	-8.00000	17.00000	99.75000
0.00000	0.00000	-0.34222	1	3239	-7.00000	17.00000	99.75000
0.00000	0.00000	-0.32155	1	3240	-6.00000	17.00000	99.75000
0.00000	0.00000	-0.30007	1	3241	-5.00000	17.00000	99.75000
0.00000	0.00000	-0.27814	1	3242	-4.00000	17.00000	99.75000
0.00000	0.00000	-0.25612	1	3243	-3.00000	17.00000	99.75000
0.00000	0.00000	-0.23435	1	3244	-2.00000	17.00000	99.75000
0.00000	0.00000	-0.21312	1	3245	-1.00000	17.00000	99.75000
0.00000	0.00000	-0.19265	1	3246	0.00000	17.00000	99.75000
0.00000	0.00000	-0.17312	1	3247	1.00000	17.00000	99.75000
0.00000	0.00000	-0.15466	1	3248	2.00000	17.00000	99.75000
0.00000	0.00000	-0.13735	1	3249	3.00000	17.00000	99.75000
0.00000	0.00000	-0.12121	1	3250	4.00000	17.00000	99.75000
0.00000	0.00000	-0.10626	1	3251	5.00000	17.00000	99.75000
0.00000	0.00000	-0.08248	1	3252	-40.00000	18.00000	99.75000
0.00000	0.00000	-0.09428	1	3253	-39.00000	18.00000	99.75000
0.00000	0.00000	-0.10688	1	3254	-38.00000	18.00000	99.75000
0.00000	0.00000	-0.12027	1	3255	-37.00000	18.00000	99.75000
0.00000	0.00000	-0.13441	1	3256	-36.00000	18.00000	99.75000
0.00000	0.00000	-0.14925	1	3257	-35.00000	18.00000	99.75000
0.00000	0.00000	-0.16470	1	3258	-34.00000	18.00000	99.75000
0.00000	0.00000	-0.18067	1	3259	-33.00000	18.00000	99.75000
0.00000	0.00000	-0.19702	1	3260	-32.00000	18.00000	99.75000
0.00000	0.00000	-0.21363	1	3261	-31.00000	18.00000	99.75000
0.00000	0.00000	-0.23032	1	3262	-30.00000	18.00000	99.75000
0.00000	0.00000	-0.24695	1	3263	-29.00000	18.00000	99.75000
0.00000	0.00000	-0.26333	1	3264	-28.00000	18.00000	99.75000
0.00000	0.00000	-0.27929	1	3265	-27.00000	18.00000	99.75000
0.00000	0.00000	-0.29467	1	3266	-26.00000	18.00000	99.75000
0.00000	0.00000	-0.30928	1	3267	-25.00000	18.00000	99.75000
0.00000	0.00000	-0.32296	1	3268	-24.00000	18.00000	99.75000
				3269	-23.00000	18.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x
y	z						
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			3270	-22.00000	18.00000	99.75000	
0.00000	0.00000	-0.34687	1				
			3271	-21.00000	18.00000	99.75000	
0.00000	0.00000	-0.35678	1				
			3272	-20.00000	18.00000	99.75000	
0.00000	0.00000	-0.36512	1				
			3273	-19.00000	18.00000	99.75000	
0.00000	0.00000	-0.37174	1				
			3274	-18.00000	18.00000	99.75000	
0.00000	0.00000	-0.37652	1				
			3275	-17.00000	18.00000	99.75000	
0.00000	0.00000	-0.37933	1				
			3276	-16.00000	18.00000	99.75000	
0.00000	0.00000	-0.38008	1				
			3277	-15.00000	18.00000	99.75000	
0.00000	0.00000	-0.37869	1				
			3278	-14.00000	18.00000	99.75000	
0.00000	0.00000	-0.37514	1				
			3279	-13.00000	18.00000	99.75000	
0.00000	0.00000	-0.36943	1				
			3280	-12.00000	18.00000	99.75000	
0.00000	0.00000	-0.36160	1				
			3281	-11.00000	18.00000	99.75000	
0.00000	0.00000	-0.35174	1				
			3282	-10.00000	18.00000	99.75000	
0.00000	0.00000	-0.33998	1				
			3283	-9.00000	18.00000	99.75000	
0.00000	0.00000	-0.32651	1				
			3284	-8.00000	18.00000	99.75000	
0.00000	0.00000	-0.31152	1				
			3285	-7.00000	18.00000	99.75000	
0.00000	0.00000	-0.29527	1				
			3286	-6.00000	18.00000	99.75000	
0.00000	0.00000	-0.27803	1				
			3287	-5.00000	18.00000	99.75000	
0.00000	0.00000	-0.26008	1				
			3288	-4.00000	18.00000	99.75000	
0.00000	0.00000	-0.24170	1				
			3289	-3.00000	18.00000	99.75000	
0.00000	0.00000	-0.22320	1				
			3290	-2.00000	18.00000	99.75000	
0.00000	0.00000	-0.20481	1				
			3291	-1.00000	18.00000	99.75000	
0.00000	0.00000	-0.18677	1				
			3292	0.00000	18.00000	99.75000	
0.00000	0.00000	-0.16929	1				
			3293	1.00000	18.00000	99.75000	
0.00000	0.00000	-0.15250	1				
			3294	2.00000	18.00000	99.75000	
0.00000	0.00000	-0.13652	1				
			3295	3.00000	18.00000	99.75000	
0.00000	0.00000	-0.12144	1				
			3296	4.00000	18.00000	99.75000	
0.00000	0.00000	-0.10729	1				
			3297	5.00000	18.00000	99.75000	
0.00000	0.00000	-0.09409	1				
			3298	-40.00000	19.00000	99.75000	
0.00000	0.00000	-0.07207	1				
			3299	-39.00000	19.00000	99.75000	
0.00000	0.00000	-0.08251	1				
			3300	-38.00000	19.00000	99.75000	
0.00000	0.00000	-0.09361	1				
			3301	-37.00000	19.00000	99.75000	
0.00000	0.00000	-0.10535	1				
			3302	-36.00000	19.00000	99.75000	
0.00000	0.00000	-0.11770	1				
			3303	-35.00000	19.00000	99.75000	
0.00000	0.00000	-0.13060	1				
			3304	-34.00000	19.00000	99.75000	
0.00000	0.00000	-0.14398	1				
			3305	-33.00000	19.00000	99.75000	
0.00000	0.00000	-0.15776	1				
			3306	-32.00000	19.00000	99.75000	
0.00000	0.00000	-0.17183	1				
			3307	-31.00000	19.00000	99.75000	
0.00000	0.00000	-0.18607	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.20036	1	3308	-30.00000	19.00000	99.75000
0.00000	0.00000	-0.21455	1	3309	-29.00000	19.00000	99.75000
0.00000	0.00000	-0.22851	1	3310	-28.00000	19.00000	99.75000
0.00000	0.00000	-0.24209	1	3311	-27.00000	19.00000	99.75000
0.00000	0.00000	-0.25515	1	3312	-26.00000	19.00000	99.75000
0.00000	0.00000	-0.26753	1	3313	-25.00000	19.00000	99.75000
0.00000	0.00000	-0.27909	1	3314	-24.00000	19.00000	99.75000
0.00000	0.00000	-0.28970	1	3315	-23.00000	19.00000	99.75000
0.00000	0.00000	-0.29922	1	3316	-22.00000	19.00000	99.75000
0.00000	0.00000	-0.30751	1	3317	-21.00000	19.00000	99.75000
0.00000	0.00000	-0.31444	1	3318	-20.00000	19.00000	99.75000
0.00000	0.00000	-0.31992	1	3319	-19.00000	19.00000	99.75000
0.00000	0.00000	-0.32381	1	3320	-18.00000	19.00000	99.75000
0.00000	0.00000	-0.32605	1	3321	-17.00000	19.00000	99.75000
0.00000	0.00000	-0.32654	1	3322	-16.00000	19.00000	99.75000
0.00000	0.00000	-0.32525	1	3323	-15.00000	19.00000	99.75000
0.00000	0.00000	-0.32216	1	3324	-14.00000	19.00000	99.75000
0.00000	0.00000	-0.31726	1	3325	-13.00000	19.00000	99.75000
0.00000	0.00000	-0.31062	1	3326	-12.00000	19.00000	99.75000
0.00000	0.00000	-0.30229	1	3327	-11.00000	19.00000	99.75000
0.00000	0.00000	-0.29240	1	3328	-10.00000	19.00000	99.75000
0.00000	0.00000	-0.28109	1	3329	-9.00000	19.00000	99.75000
0.00000	0.00000	-0.26852	1	3330	-8.00000	19.00000	99.75000
0.00000	0.00000	-0.25489	1	3331	-7.00000	19.00000	99.75000
0.00000	0.00000	-0.24042	1	3332	-6.00000	19.00000	99.75000
0.00000	0.00000	-0.22533	1	3333	-5.00000	19.00000	99.75000
0.00000	0.00000	-0.20985	1	3334	-4.00000	19.00000	99.75000
0.00000	0.00000	-0.19420	1	3335	-3.00000	19.00000	99.75000
0.00000	0.00000	-0.17860	1	3336	-2.00000	19.00000	99.75000
0.00000	0.00000	-0.16322	1	3337	-1.00000	19.00000	99.75000
0.00000	0.00000	-0.14823	1	3338	0.00000	19.00000	99.75000
0.00000	0.00000	-0.13376	1	3339	1.00000	19.00000	99.75000
0.00000	0.00000	-0.11991	1	3340	2.00000	19.00000	99.75000
0.00000	0.00000	-0.10675	1	3341	3.00000	19.00000	99.75000
0.00000	0.00000	-0.09434	1	3342	4.00000	19.00000	99.75000
0.00000	0.00000	-0.08270	1	3343	5.00000	19.00000	99.75000
0.00000	0.00000	-0.06239	1	3344	-40.00000	20.00000	99.75000
0.00000	0.00000	-0.07163	1	3345	-39.00000	20.00000	99.75000
				3346	-38.00000	20.00000	99.75000



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.08142	1	3347	-37.00000	20.00000	99.75000
0.00000	0.00000	-0.09173	1	3348	-36.00000	20.00000	99.75000
0.00000	0.00000	-0.10253	1	3349	-35.00000	20.00000	99.75000
0.00000	0.00000	-0.11376	1	3350	-34.00000	20.00000	99.75000
0.00000	0.00000	-0.12538	1	3351	-33.00000	20.00000	99.75000
0.00000	0.00000	-0.13730	1	3352	-32.00000	20.00000	99.75000
0.00000	0.00000	-0.14944	1	3353	-31.00000	20.00000	99.75000
0.00000	0.00000	-0.16170	1	3354	-30.00000	20.00000	99.75000
0.00000	0.00000	-0.17396	1	3355	-29.00000	20.00000	99.75000
0.00000	0.00000	-0.18612	1	3356	-28.00000	20.00000	99.75000
0.00000	0.00000	-0.19806	1	3357	-27.00000	20.00000	99.75000
0.00000	0.00000	-0.20964	1	3358	-26.00000	20.00000	99.75000
0.00000	0.00000	-0.22076	1	3359	-25.00000	20.00000	99.75000
0.00000	0.00000	-0.23129	1	3360	-24.00000	20.00000	99.75000
0.00000	0.00000	-0.24109	1	3361	-23.00000	20.00000	99.75000
0.00000	0.00000	-0.25007	1	3362	-22.00000	20.00000	99.75000
0.00000	0.00000	-0.25809	1	3363	-21.00000	20.00000	99.75000
0.00000	0.00000	-0.26505	1	3364	-20.00000	20.00000	99.75000
0.00000	0.00000	-0.27085	1	3365	-19.00000	20.00000	99.75000
0.00000	0.00000	-0.27540	1	3366	-18.00000	20.00000	99.75000
0.00000	0.00000	-0.27860	1	3367	-17.00000	20.00000	99.75000
0.00000	0.00000	-0.28039	1	3368	-16.00000	20.00000	99.75000
0.00000	0.00000	-0.28071	1	3369	-15.00000	20.00000	99.75000
0.00000	0.00000	-0.27953	1	3370	-14.00000	20.00000	99.75000
0.00000	0.00000	-0.27684	1	3371	-13.00000	20.00000	99.75000
0.00000	0.00000	-0.27264	1	3372	-12.00000	20.00000	99.75000
0.00000	0.00000	-0.26699	1	3373	-11.00000	20.00000	99.75000
0.00000	0.00000	-0.25994	1	3374	-10.00000	20.00000	99.75000
0.00000	0.00000	-0.25158	1	3375	-9.00000	20.00000	99.75000
0.00000	0.00000	-0.24204	1	3376	-8.00000	20.00000	99.75000
0.00000	0.00000	-0.23144	1	3377	-7.00000	20.00000	99.75000
0.00000	0.00000	-0.21995	1	3378	-6.00000	20.00000	99.75000
0.00000	0.00000	-0.20775	1	3379	-5.00000	20.00000	99.75000
0.00000	0.00000	-0.19500	1	3380	-4.00000	20.00000	99.75000
0.00000	0.00000	-0.18189	1	3381	-3.00000	20.00000	99.75000
0.00000	0.00000	-0.16860	1	3382	-2.00000	20.00000	99.75000
0.00000	0.00000	-0.15530	1	3383	-1.00000	20.00000	99.75000
0.00000	0.00000	-0.14214	1	3384	0.00000	20.00000	99.75000
0.00000	0.00000	-0.12926	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.11675	1	3385	1.00000	20.00000	99.75000
0.00000	0.00000	-0.10473	1	3386	2.00000	20.00000	99.75000
0.00000	0.00000	-0.09324	1	3387	3.00000	20.00000	99.75000
0.00000	0.00000	-0.08235	1	3388	4.00000	20.00000	99.75000
0.00000	0.00000	-0.07208	1	3389	5.00000	20.00000	99.75000
0.00000	0.00000	-0.05342	1	3390	-40.00000	21.00000	99.75000
0.00000	0.00000	-0.06160	1	3391	-39.00000	21.00000	99.75000
0.00000	0.00000	-0.07023	1	3392	-38.00000	21.00000	99.75000
0.00000	0.00000	-0.07929	1	3393	-37.00000	21.00000	99.75000
0.00000	0.00000	-0.08875	1	3394	-36.00000	21.00000	99.75000
0.00000	0.00000	-0.09856	1	3395	-35.00000	21.00000	99.75000
0.00000	0.00000	-0.10866	1	3396	-34.00000	21.00000	99.75000
0.00000	0.00000	-0.11900	1	3397	-33.00000	21.00000	99.75000
0.00000	0.00000	-0.12950	1	3398	-32.00000	21.00000	99.75000
0.00000	0.00000	-0.14008	1	3399	-31.00000	21.00000	99.75000
0.00000	0.00000	-0.15063	1	3400	-30.00000	21.00000	99.75000
0.00000	0.00000	-0.16108	1	3401	-29.00000	21.00000	99.75000
0.00000	0.00000	-0.17131	1	3402	-28.00000	21.00000	99.75000
0.00000	0.00000	-0.18123	1	3403	-27.00000	21.00000	99.75000
0.00000	0.00000	-0.19072	1	3404	-26.00000	21.00000	99.75000
0.00000	0.00000	-0.19969	1	3405	-25.00000	21.00000	99.75000
0.00000	0.00000	-0.20803	1	3406	-24.00000	21.00000	99.75000
0.00000	0.00000	-0.21565	1	3407	-23.00000	21.00000	99.75000
0.00000	0.00000	-0.22244	1	3408	-22.00000	21.00000	99.75000
0.00000	0.00000	-0.22831	1	3409	-21.00000	21.00000	99.75000
0.00000	0.00000	-0.23318	1	3410	-20.00000	21.00000	99.75000
0.00000	0.00000	-0.23697	1	3411	-19.00000	21.00000	99.75000
0.00000	0.00000	-0.23962	1	3412	-18.00000	21.00000	99.75000
0.00000	0.00000	-0.24106	1	3413	-17.00000	21.00000	99.75000
0.00000	0.00000	-0.24127	1	3414	-16.00000	21.00000	99.75000
0.00000	0.00000	-0.24020	1	3415	-15.00000	21.00000	99.75000
0.00000	0.00000	-0.23786	1	3416	-14.00000	21.00000	99.75000
0.00000	0.00000	-0.23426	1	3417	-13.00000	21.00000	99.75000
0.00000	0.00000	-0.22944	1	3418	-12.00000	21.00000	99.75000
0.00000	0.00000	-0.22344	1	3419	-11.00000	21.00000	99.75000
0.00000	0.00000	-0.21636	1	3420	-10.00000	21.00000	99.75000
0.00000	0.00000	-0.20827	1	3421	-9.00000	21.00000	99.75000
0.00000	0.00000	-0.19930	1	3422	-8.00000	21.00000	99.75000
				3423	-7.00000	21.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.18958	1	3424	-6.00000	21.00000	99.75000
0.00000	0.00000	-0.17923	1	3425	-5.00000	21.00000	99.75000
0.00000	0.00000	-0.16842	1	3426	-4.00000	21.00000	99.75000
0.00000	0.00000	-0.15727	1	3427	-3.00000	21.00000	99.75000
0.00000	0.00000	-0.14594	1	3428	-2.00000	21.00000	99.75000
0.00000	0.00000	-0.13456	1	3429	-1.00000	21.00000	99.75000
0.00000	0.00000	-0.12327	1	3430	0.00000	21.00000	99.75000
0.00000	0.00000	-0.11216	1	3431	1.00000	21.00000	99.75000
0.00000	0.00000	-0.10133	1	3432	2.00000	21.00000	99.75000
0.00000	0.00000	-0.09087	1	3433	3.00000	21.00000	99.75000
0.00000	0.00000	-0.08084	1	3434	4.00000	21.00000	99.75000
0.00000	0.00000	-0.07128	1	3435	5.00000	21.00000	99.75000
0.00000	0.00000	-0.06222	1	3436	-40.00000	22.00000	99.75000
0.00000	0.00000	-0.04513	1	3437	-39.00000	22.00000	99.75000
0.00000	0.00000	-0.05237	1	3438	-38.00000	22.00000	99.75000
0.00000	0.00000	-0.05998	1	3439	-37.00000	22.00000	99.75000
0.00000	0.00000	-0.06795	1	3440	-36.00000	22.00000	99.75000
0.00000	0.00000	-0.07624	1	3441	-35.00000	22.00000	99.75000
0.00000	0.00000	-0.08481	1	3442	-34.00000	22.00000	99.75000
0.00000	0.00000	-0.09362	1	3443	-33.00000	22.00000	99.75000
0.00000	0.00000	-0.10261	1	3444	-32.00000	22.00000	99.75000
0.00000	0.00000	-0.11171	1	3445	-31.00000	22.00000	99.75000
0.00000	0.00000	-0.12085	1	3446	-30.00000	22.00000	99.75000
0.00000	0.00000	-0.12996	1	3447	-29.00000	22.00000	99.75000
0.00000	0.00000	-0.13896	1	3448	-28.00000	22.00000	99.75000
0.00000	0.00000	-0.14775	1	3449	-27.00000	22.00000	99.75000
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0.00000	0.00000	-0.17917	1	3453	-23.00000	22.00000	99.75000
0.00000	0.00000	-0.18565	1	3454	-22.00000	22.00000	99.75000
0.00000	0.00000	-0.19141	1	3455	-21.00000	22.00000	99.75000
0.00000	0.00000	-0.19638	1	3456	-20.00000	22.00000	99.75000
0.00000	0.00000	-0.20049	1	3457	-19.00000	22.00000	99.75000
0.00000	0.00000	-0.20367	1	3458	-18.00000	22.00000	99.75000
0.00000	0.00000	-0.20586	1	3459	-17.00000	22.00000	99.75000
0.00000	0.00000	-0.20704	1	3460	-16.00000	22.00000	99.75000
0.00000	0.00000	-0.20716	1	3461	-15.00000	22.00000	99.75000
0.00000	0.00000	-0.20620	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.20417	1	3462	-14.00000	22.00000	99.75000
0.00000	0.00000	-0.20108	1	3463	-13.00000	22.00000	99.75000
0.00000	0.00000	-0.19696	1	3464	-12.00000	22.00000	99.75000
0.00000	0.00000	-0.19185	1	3465	-11.00000	22.00000	99.75000
0.00000	0.00000	-0.18582	1	3466	-10.00000	22.00000	99.75000
0.00000	0.00000	-0.17895	1	3467	-9.00000	22.00000	99.75000
0.00000	0.00000	-0.17132	1	3468	-8.00000	22.00000	99.75000
0.00000	0.00000	-0.16306	1	3469	-7.00000	22.00000	99.75000
0.00000	0.00000	-0.15426	1	3470	-6.00000	22.00000	99.75000
0.00000	0.00000	-0.14504	1	3471	-5.00000	22.00000	99.75000
0.00000	0.00000	-0.13553	1	3472	-4.00000	22.00000	99.75000
0.00000	0.00000	-0.12583	1	3473	-3.00000	22.00000	99.75000
0.00000	0.00000	-0.11607	1	3474	-2.00000	22.00000	99.75000
0.00000	0.00000	-0.10634	1	3475	-1.00000	22.00000	99.75000
0.00000	0.00000	-0.09674	1	3476	0.00000	22.00000	99.75000
0.00000	0.00000	-0.08736	1	3477	1.00000	22.00000	99.75000
0.00000	0.00000	-0.07825	1	3478	2.00000	22.00000	99.75000
0.00000	0.00000	-0.06947	1	3479	3.00000	22.00000	99.75000
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0.00000	0.00000	-0.05309	1	3481	5.00000	22.00000	99.75000
0.00000	0.00000	-0.03747	1	3482	-40.00000	23.00000	99.75000
0.00000	0.00000	-0.04388	1	3483	-39.00000	23.00000	99.75000
0.00000	0.00000	-0.05060	1	3484	-38.00000	23.00000	99.75000
0.00000	0.00000	-0.05761	1	3485	-37.00000	23.00000	99.75000
0.00000	0.00000	-0.06489	1	3486	-36.00000	23.00000	99.75000
0.00000	0.00000	-0.07239	1	3487	-35.00000	23.00000	99.75000
0.00000	0.00000	-0.08007	1	3488	-34.00000	23.00000	99.75000
0.00000	0.00000	-0.08790	1	3489	-33.00000	23.00000	99.75000
0.00000	0.00000	-0.09580	1	3490	-32.00000	23.00000	99.75000
0.00000	0.00000	-0.10372	1	3491	-31.00000	23.00000	99.75000
0.00000	0.00000	-0.11160	1	3492	-30.00000	23.00000	99.75000
0.00000	0.00000	-0.11936	1	3493	-29.00000	23.00000	99.75000
0.00000	0.00000	-0.12694	1	3494	-28.00000	23.00000	99.75000
0.00000	0.00000	-0.13425	1	3495	-27.00000	23.00000	99.75000
0.00000	0.00000	-0.14123	1	3496	-26.00000	23.00000	99.75000
0.00000	0.00000	-0.14780	1	3497	-25.00000	23.00000	99.75000
0.00000	0.00000	-0.15388	1	3498	-24.00000	23.00000	99.75000
0.00000	0.00000	-0.15941	1	3499	-23.00000	23.00000	99.75000
				3500	-22.00000	23.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
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0.00000	0.00000	-0.16853	1	3501	-21.00000	23.00000
0.00000	0.00000	-0.17201	1	3502	-20.00000	23.00000
0.00000	0.00000	-0.17468	1	3503	-19.00000	23.00000
0.00000	0.00000	-0.17652	1	3504	-18.00000	23.00000
0.00000	0.00000	-0.17748	1	3505	-17.00000	23.00000
0.00000	0.00000	-0.17755	1	3506	-16.00000	23.00000
0.00000	0.00000	-0.17670	1	3507	-15.00000	23.00000
0.00000	0.00000	-0.17493	1	3508	-14.00000	23.00000
0.00000	0.00000	-0.17227	1	3509	-13.00000	23.00000
0.00000	0.00000	-0.16874	1	3510	-12.00000	23.00000
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0.00000	0.00000	-0.15336	1	3513	-9.00000	23.00000
0.00000	0.00000	-0.14687	1	3514	-8.00000	23.00000
0.00000	0.00000	-0.13981	1	3515	-7.00000	23.00000
0.00000	0.00000	-0.13230	1	3516	-6.00000	23.00000
0.00000	0.00000	-0.12442	1	3517	-5.00000	23.00000
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0.00000	0.00000	-0.08285	1	3522	0.00000	23.00000
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0.00000	0.00000	-0.06675	1	3524	2.00000	23.00000
0.00000	0.00000	-0.05908	1	3525	3.00000	23.00000
0.00000	0.00000	-0.05170	1	3526	4.00000	23.00000
0.00000	0.00000	-0.04466	1	3527	5.00000	23.00000
0.00000	0.00000	-0.03041	1	3528	-40.00000	24.00000
0.00000	0.00000	-0.03608	1	3529	-39.00000	24.00000
0.00000	0.00000	-0.04202	1	3530	-38.00000	24.00000
0.00000	0.00000	-0.04819	1	3531	-37.00000	24.00000
0.00000	0.00000	-0.05458	1	3532	-36.00000	24.00000
0.00000	0.00000	-0.06115	1	3533	-35.00000	24.00000
0.00000	0.00000	-0.06787	1	3534	-34.00000	24.00000
0.00000	0.00000	-0.07469	1	3535	-33.00000	24.00000
0.00000	0.00000	-0.08156	1	3536	-32.00000	24.00000
0.00000	0.00000	-0.08844	1	3537	-31.00000	24.00000
0.00000	0.00000	-0.09526	1	3538	-30.00000	24.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.10197	1	3539	-29.00000	24.00000	99.75000
0.00000	0.00000	-0.10851	1	3540	-28.00000	24.00000	99.75000
0.00000	0.00000	-0.11481	1	3541	-27.00000	24.00000	99.75000
0.00000	0.00000	-0.12081	1	3542	-26.00000	24.00000	99.75000
0.00000	0.00000	-0.12645	1	3543	-25.00000	24.00000	99.75000
0.00000	0.00000	-0.13167	1	3544	-24.00000	24.00000	99.75000
0.00000	0.00000	-0.13640	1	3545	-23.00000	24.00000	99.75000
0.00000	0.00000	-0.14058	1	3546	-22.00000	24.00000	99.75000
0.00000	0.00000	-0.14417	1	3547	-21.00000	24.00000	99.75000
0.00000	0.00000	-0.14712	1	3548	-20.00000	24.00000	99.75000
0.00000	0.00000	-0.14939	1	3549	-19.00000	24.00000	99.75000
0.00000	0.00000	-0.15093	1	3550	-18.00000	24.00000	99.75000
0.00000	0.00000	-0.15172	1	3551	-17.00000	24.00000	99.75000
0.00000	0.00000	-0.15174	1	3552	-16.00000	24.00000	99.75000
0.00000	0.00000	-0.15099	1	3553	-15.00000	24.00000	99.75000
0.00000	0.00000	-0.14946	1	3554	-14.00000	24.00000	99.75000
0.00000	0.00000	-0.14717	1	3555	-13.00000	24.00000	99.75000
0.00000	0.00000	-0.14413	1	3556	-12.00000	24.00000	99.75000
0.00000	0.00000	-0.14039	1	3557	-11.00000	24.00000	99.75000
0.00000	0.00000	-0.13599	1	3558	-10.00000	24.00000	99.75000
0.00000	0.00000	-0.13098	1	3559	-9.00000	24.00000	99.75000
0.00000	0.00000	-0.12542	1	3560	-8.00000	24.00000	99.75000
0.00000	0.00000	-0.11938	1	3561	-7.00000	24.00000	99.75000
0.00000	0.00000	-0.11295	1	3562	-6.00000	24.00000	99.75000
0.00000	0.00000	-0.10620	1	3563	-5.00000	24.00000	99.75000
0.00000	0.00000	-0.09920	1	3564	-4.00000	24.00000	99.75000
0.00000	0.00000	-0.09204	1	3565	-3.00000	24.00000	99.75000
0.00000	0.00000	-0.08479	1	3566	-2.00000	24.00000	99.75000
0.00000	0.00000	-0.07753	1	3567	-1.00000	24.00000	99.75000
0.00000	0.00000	-0.07033	1	3568	0.00000	24.00000	99.75000
0.00000	0.00000	-0.06323	1	3569	1.00000	24.00000	99.75000
0.00000	0.00000	-0.05630	1	3570	2.00000	24.00000	99.75000
0.00000	0.00000	-0.04958	1	3571	3.00000	24.00000	99.75000
0.00000	0.00000	-0.04310	1	3572	4.00000	24.00000	99.75000
0.00000	0.00000	-0.03689	1	3573	5.00000	24.00000	99.75000
0.00000	0.00000	-0.02392	1	3574	-40.00000	25.00000	99.75000
0.00000	0.00000	-0.02894	1	3575	-39.00000	25.00000	99.75000
0.00000	0.00000	-0.03418	1	3576	-38.00000	25.00000	99.75000
				3577	-37.00000	25.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
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0.00000	0.00000	-0.04523	1	3579	-35.00000	25.00000	99.75000
0.00000	0.00000	-0.05099	1	3580	-34.00000	25.00000	99.75000
0.00000	0.00000	-0.05687	1	3581	-33.00000	25.00000	99.75000
0.00000	0.00000	-0.06282	1	3582	-32.00000	25.00000	99.75000
0.00000	0.00000	-0.06880	1	3583	-31.00000	25.00000	99.75000
0.00000	0.00000	-0.07478	1	3584	-30.00000	25.00000	99.75000
0.00000	0.00000	-0.08070	1	3585	-29.00000	25.00000	99.75000
0.00000	0.00000	-0.08651	1	3586	-28.00000	25.00000	99.75000
0.00000	0.00000	-0.09216	1	3587	-27.00000	25.00000	99.75000
0.00000	0.00000	-0.09760	1	3588	-26.00000	25.00000	99.75000
0.00000	0.00000	-0.10277	1	3589	-25.00000	25.00000	99.75000
0.00000	0.00000	-0.10763	1	3590	-24.00000	25.00000	99.75000
0.00000	0.00000	-0.11210	1	3591	-23.00000	25.00000	99.75000
0.00000	0.00000	-0.11616	1	3592	-22.00000	25.00000	99.75000
0.00000	0.00000	-0.11974	1	3593	-21.00000	25.00000	99.75000
0.00000	0.00000	-0.12281	1	3594	-20.00000	25.00000	99.75000
0.00000	0.00000	-0.12532	1	3595	-19.00000	25.00000	99.75000
0.00000	0.00000	-0.12723	1	3596	-18.00000	25.00000	99.75000
0.00000	0.00000	-0.12853	1	3597	-17.00000	25.00000	99.75000
0.00000	0.00000	-0.12919	1	3598	-16.00000	25.00000	99.75000
0.00000	0.00000	-0.12919	1	3599	-15.00000	25.00000	99.75000
0.00000	0.00000	-0.12852	1	3600	-14.00000	25.00000	99.75000
0.00000	0.00000	-0.12720	1	3601	-13.00000	25.00000	99.75000
0.00000	0.00000	-0.12522	1	3602	-12.00000	25.00000	99.75000
0.00000	0.00000	-0.12261	1	3603	-11.00000	25.00000	99.75000
0.00000	0.00000	-0.11939	1	3604	-10.00000	25.00000	99.75000
0.00000	0.00000	-0.11562	1	3605	-9.00000	25.00000	99.75000
0.00000	0.00000	-0.11132	1	3606	-8.00000	25.00000	99.75000
0.00000	0.00000	-0.10655	1	3607	-7.00000	25.00000	99.75000
0.00000	0.00000	-0.10138	1	3608	-6.00000	25.00000	99.75000
0.00000	0.00000	-0.09585	1	3609	-5.00000	25.00000	99.75000
0.00000	0.00000	-0.09005	1	3610	-4.00000	25.00000	99.75000
0.00000	0.00000	-0.08402	1	3611	-3.00000	25.00000	99.75000
0.00000	0.00000	-0.07785	1	3612	-2.00000	25.00000	99.75000
0.00000	0.00000	-0.07159	1	3613	-1.00000	25.00000	99.75000
0.00000	0.00000	-0.06530	1	3614	0.00000	25.00000	99.75000
0.00000	0.00000	-0.05904	1	3615	1.00000	25.00000	99.75000
0.00000	0.00000	-0.05286	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.04680	1	3616	2.00000	25.00000	99.75000
0.00000	0.00000	-0.04091	1	3617	3.00000	25.00000	99.75000
0.00000	0.00000	-0.03522	1	3618	4.00000	25.00000	99.75000
0.00000	0.00000	-0.02974	1	3619	5.00000	25.00000	99.75000
0.00000	0.00000	-0.01796	1	3620	-40.00000	26.00000	99.75000
0.00000	0.00000	-0.02240	1	3621	-39.00000	26.00000	99.75000
0.00000	0.00000	-0.02703	1	3622	-38.00000	26.00000	99.75000
0.00000	0.00000	-0.03182	1	3623	-37.00000	26.00000	99.75000
0.00000	0.00000	-0.03675	1	3624	-36.00000	26.00000	99.75000
0.00000	0.00000	-0.04180	1	3625	-35.00000	26.00000	99.75000
0.00000	0.00000	-0.04694	1	3626	-34.00000	26.00000	99.75000
0.00000	0.00000	-0.05214	1	3627	-33.00000	26.00000	99.75000
0.00000	0.00000	-0.05736	1	3628	-32.00000	26.00000	99.75000
0.00000	0.00000	-0.06256	1	3629	-31.00000	26.00000	99.75000
0.00000	0.00000	-0.06770	1	3630	-30.00000	26.00000	99.75000
0.00000	0.00000	-0.07274	1	3631	-29.00000	26.00000	99.75000
0.00000	0.00000	-0.07764	1	3632	-28.00000	26.00000	99.75000
0.00000	0.00000	-0.08234	1	3633	-27.00000	26.00000	99.75000
0.00000	0.00000	-0.08681	1	3634	-26.00000	26.00000	99.75000
0.00000	0.00000	-0.09099	1	3635	-25.00000	26.00000	99.75000
0.00000	0.00000	-0.09484	1	3636	-24.00000	26.00000	99.75000
0.00000	0.00000	-0.09832	1	3637	-23.00000	26.00000	99.75000
0.00000	0.00000	-0.10139	1	3638	-22.00000	26.00000	99.75000
0.00000	0.00000	-0.10402	1	3639	-21.00000	26.00000	99.75000
0.00000	0.00000	-0.10616	1	3640	-20.00000	26.00000	99.75000
0.00000	0.00000	-0.10779	1	3641	-19.00000	26.00000	99.75000
0.00000	0.00000	-0.10889	1	3642	-18.00000	26.00000	99.75000
0.00000	0.00000	-0.10944	1	3643	-17.00000	26.00000	99.75000
0.00000	0.00000	-0.10942	1	3644	-16.00000	26.00000	99.75000
0.00000	0.00000	-0.10883	1	3645	-15.00000	26.00000	99.75000
0.00000	0.00000	-0.10768	1	3646	-14.00000	26.00000	99.75000
0.00000	0.00000	-0.10597	1	3647	-13.00000	26.00000	99.75000
0.00000	0.00000	-0.10372	1	3648	-12.00000	26.00000	99.75000
0.00000	0.00000	-0.10096	1	3649	-11.00000	26.00000	99.75000
0.00000	0.00000	-0.09771	1	3650	-10.00000	26.00000	99.75000
0.00000	0.00000	-0.09402	1	3651	-9.00000	26.00000	99.75000
0.00000	0.00000	-0.08992	1	3652	-8.00000	26.00000	99.75000
0.00000	0.00000	-0.08547	1	3653	-7.00000	26.00000	99.75000
				3654	-6.00000	26.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	x
0.00000	0.00000	-0.08072	1			
0.00000	0.00000	-0.07572	1	3655	-5.00000	26.00000
0.00000	0.00000	-0.07052	1	3656	-4.00000	26.00000
0.00000	0.00000	-0.06518	1	3657	-3.00000	26.00000
0.00000	0.00000	-0.05976	1	3658	-2.00000	26.00000
0.00000	0.00000	-0.05431	1	3659	-1.00000	26.00000
0.00000	0.00000	-0.04886	1	3660	0.00000	26.00000
0.00000	0.00000	-0.04347	1	3661	1.00000	26.00000
0.00000	0.00000	-0.03818	1	3662	2.00000	26.00000
0.00000	0.00000	-0.03302	1	3663	3.00000	26.00000
0.00000	0.00000	-0.02801	1	3664	4.00000	26.00000
0.00000	0.00000	-0.02318	1	3665	5.00000	26.00000
0.00000	0.00000	-0.01250	1	3666	-40.00000	27.00000
0.00000	0.00000	-0.01643	1	3667	-39.00000	27.00000
0.00000	0.00000	-0.02051	1	3668	-38.00000	27.00000
0.00000	0.00000	-0.02473	1	3669	-37.00000	27.00000
0.00000	0.00000	-0.02907	1	3670	-36.00000	27.00000
0.00000	0.00000	-0.03350	1	3671	-35.00000	27.00000
0.00000	0.00000	-0.03800	1	3672	-34.00000	27.00000
0.00000	0.00000	-0.04254	1	3673	-33.00000	27.00000
0.00000	0.00000	-0.04710	1	3674	-32.00000	27.00000
0.00000	0.00000	-0.05163	1	3675	-31.00000	27.00000
0.00000	0.00000	-0.05610	1	3676	-30.00000	27.00000
0.00000	0.00000	-0.06047	1	3677	-29.00000	27.00000
0.00000	0.00000	-0.06472	1	3678	-28.00000	27.00000
0.00000	0.00000	-0.06879	1	3679	-27.00000	27.00000
0.00000	0.00000	-0.07265	1	3680	-26.00000	27.00000
0.00000	0.00000	-0.07626	1	3681	-25.00000	27.00000
0.00000	0.00000	-0.07958	1	3682	-24.00000	27.00000
0.00000	0.00000	-0.08257	1	3683	-23.00000	27.00000
0.00000	0.00000	-0.08521	1	3684	-22.00000	27.00000
0.00000	0.00000	-0.08746	1	3685	-21.00000	27.00000
0.00000	0.00000	-0.08930	1	3686	-20.00000	27.00000
0.00000	0.00000	-0.09069	1	3687	-19.00000	27.00000
0.00000	0.00000	-0.09162	1	3688	-18.00000	27.00000
0.00000	0.00000	-0.09208	1	3689	-17.00000	27.00000
0.00000	0.00000	-0.09205	1	3690	-16.00000	27.00000
0.00000	0.00000	-0.09153	1	3691	-15.00000	27.00000
0.00000	0.00000	-0.09053	1	3692	-14.00000	27.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.08905	1	3693	-13.00000	27.00000	99.75000
0.00000	0.00000	-0.08711	1	3694	-12.00000	27.00000	99.75000
0.00000	0.00000	-0.08473	1	3695	-11.00000	27.00000	99.75000
0.00000	0.00000	-0.08194	1	3696	-10.00000	27.00000	99.75000
0.00000	0.00000	-0.07876	1	3697	-9.00000	27.00000	99.75000
0.00000	0.00000	-0.07523	1	3698	-8.00000	27.00000	99.75000
0.00000	0.00000	-0.07140	1	3699	-7.00000	27.00000	99.75000
0.00000	0.00000	-0.06730	1	3700	-6.00000	27.00000	99.75000
0.00000	0.00000	-0.06298	1	3701	-5.00000	27.00000	99.75000
0.00000	0.00000	-0.05849	1	3702	-4.00000	27.00000	99.75000
0.00000	0.00000	-0.05387	1	3703	-3.00000	27.00000	99.75000
0.00000	0.00000	-0.04917	1	3704	-2.00000	27.00000	99.75000
0.00000	0.00000	-0.04443	1	3705	-1.00000	27.00000	99.75000
0.00000	0.00000	-0.03969	1	3706	0.00000	27.00000	99.75000
0.00000	0.00000	-0.03499	1	3707	1.00000	27.00000	99.75000
0.00000	0.00000	-0.03036	1	3708	2.00000	27.00000	99.75000
0.00000	0.00000	-0.02583	1	3709	3.00000	27.00000	99.75000
0.00000	0.00000	-0.02143	1	3710	4.00000	27.00000	99.75000
0.00000	0.00000	-0.01718	1	3711	5.00000	27.00000	99.75000
0.00000	0.00000	-0.00750	1	3712	-40.00000	28.00000	99.75000
0.00000	0.00000	-0.01097	1	3713	-39.00000	28.00000	99.75000
0.00000	0.00000	-0.01458	1	3714	-38.00000	28.00000	99.75000
0.00000	0.00000	-0.01829	1	3715	-37.00000	28.00000	99.75000
0.00000	0.00000	-0.02210	1	3716	-36.00000	28.00000	99.75000
0.00000	0.00000	-0.02599	1	3717	-35.00000	28.00000	99.75000
0.00000	0.00000	-0.02994	1	3718	-34.00000	28.00000	99.75000
0.00000	0.00000	-0.03391	1	3719	-33.00000	28.00000	99.75000
0.00000	0.00000	-0.03788	1	3720	-32.00000	28.00000	99.75000
0.00000	0.00000	-0.04183	1	3721	-31.00000	28.00000	99.75000
0.00000	0.00000	-0.04572	1	3722	-30.00000	28.00000	99.75000
0.00000	0.00000	-0.04953	1	3723	-29.00000	28.00000	99.75000
0.00000	0.00000	-0.05321	1	3724	-28.00000	28.00000	99.75000
0.00000	0.00000	-0.05674	1	3725	-27.00000	28.00000	99.75000
0.00000	0.00000	-0.06008	1	3726	-26.00000	28.00000	99.75000
0.00000	0.00000	-0.06320	1	3727	-25.00000	28.00000	99.75000
0.00000	0.00000	-0.06606	1	3728	-24.00000	28.00000	99.75000
0.00000	0.00000	-0.06865	1	3729	-23.00000	28.00000	99.75000
0.00000	0.00000	-0.07092	1	3730	-22.00000	28.00000	99.75000
				3731	-21.00000	28.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Set: Displacements:			Result: Coordinates:		
Ref.	z	Name	Ref.	x	y	z	x	
0.00000	0.00000	-0.07285	1	3732	-20.00000	28.00000	99.75000	
0.00000	0.00000	-0.07442	1	3733	-19.00000	28.00000	99.75000	
0.00000	0.00000	-0.07561	1	3734	-18.00000	28.00000	99.75000	
0.00000	0.00000	-0.07641	1	3735	-17.00000	28.00000	99.75000	
0.00000	0.00000	-0.07679	1	3736	-16.00000	28.00000	99.75000	
0.00000	0.00000	-0.07676	1	3737	-15.00000	28.00000	99.75000	
0.00000	0.00000	-0.07630	1	3738	-14.00000	28.00000	99.75000	
0.00000	0.00000	-0.07543	1	3739	-13.00000	28.00000	99.75000	
0.00000	0.00000	-0.07415	1	3740	-12.00000	28.00000	99.75000	
0.00000	0.00000	-0.07248	1	3741	-11.00000	28.00000	99.75000	
0.00000	0.00000	-0.07042	1	3742	-10.00000	28.00000	99.75000	
0.00000	0.00000	-0.06801	1	3743	-9.00000	28.00000	99.75000	
0.00000	0.00000	-0.06527	1	3744	-8.00000	28.00000	99.75000	
0.00000	0.00000	-0.06223	1	3745	-7.00000	28.00000	99.75000	
0.00000	0.00000	-0.05892	1	3746	-6.00000	28.00000	99.75000	
0.00000	0.00000	-0.05538	1	3747	-5.00000	28.00000	99.75000	
0.00000	0.00000	-0.05165	1	3748	-4.00000	28.00000	99.75000	
0.00000	0.00000	-0.04776	1	3749	-3.00000	28.00000	99.75000	
0.00000	0.00000	-0.04376	1	3750	-2.00000	28.00000	99.75000	
0.00000	0.00000	-0.03967	1	3751	-1.00000	28.00000	99.75000	
0.00000	0.00000	-0.03555	1	3752	0.00000	28.00000	99.75000	
0.00000	0.00000	-0.03142	1	3753	1.00000	28.00000	99.75000	
0.00000	0.00000	-0.02732	1	3754	2.00000	28.00000	99.75000	
0.00000	0.00000	-0.02327	1	3755	3.00000	28.00000	99.75000	
0.00000	0.00000	-0.01930	1	3756	4.00000	28.00000	99.75000	
0.00000	0.00000	-0.01543	1	3757	5.00000	28.00000	99.75000	
0.00000	0.00000	-0.01169	1	3758	-40.00000	29.00000	99.75000	
0.00000	0.00000	-0.00294	1	3759	-39.00000	29.00000	99.75000	
0.00000	0.00000	-0.00600	1	3760	-38.00000	29.00000	99.75000	
0.00000	0.00000	-0.00918	1	3761	-37.00000	29.00000	99.75000	
0.00000	0.00000	-0.01245	1	3762	-36.00000	29.00000	99.75000	
0.00000	0.00000	-0.01580	1	3763	-35.00000	29.00000	99.75000	
0.00000	0.00000	-0.01921	1	3764	-34.00000	29.00000	99.75000	
0.00000	0.00000	-0.02267	1	3765	-33.00000	29.00000	99.75000	
0.00000	0.00000	-0.02614	1	3766	-32.00000	29.00000	99.75000	
0.00000	0.00000	-0.02961	1	3767	-31.00000	29.00000	99.75000	
0.00000	0.00000	-0.03306	1	3768	-30.00000	29.00000	99.75000	
0.00000	0.00000	-0.03645	1	3769	-29.00000	29.00000	99.75000	
0.00000	0.00000	-0.03976	1					



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:		
Ref.	Name	Ref.	x	y	z	x	
y	z						
0.00000	0.00000	-0.04295	1	3770	-28.00000	29.00000	99.75000
0.00000	0.00000	-0.04601	1	3771	-27.00000	29.00000	99.75000
0.00000	0.00000	-0.04891	1	3772	-26.00000	29.00000	99.75000
0.00000	0.00000	-0.05161	1	3773	-25.00000	29.00000	99.75000
0.00000	0.00000	-0.05408	1	3774	-24.00000	29.00000	99.75000
0.00000	0.00000	-0.05631	1	3775	-23.00000	29.00000	99.75000
0.00000	0.00000	-0.05827	1	3776	-22.00000	29.00000	99.75000
0.00000	0.00000	-0.05994	1	3777	-21.00000	29.00000	99.75000
0.00000	0.00000	-0.06129	1	3778	-20.00000	29.00000	99.75000
0.00000	0.00000	-0.06231	1	3779	-19.00000	29.00000	99.75000
0.00000	0.00000	-0.06298	1	3780	-18.00000	29.00000	99.75000
0.00000	0.00000	-0.06331	1	3781	-17.00000	29.00000	99.75000
0.00000	0.00000	-0.06327	1	3782	-16.00000	29.00000	99.75000
0.00000	0.00000	-0.06287	1	3783	-15.00000	29.00000	99.75000
0.00000	0.00000	-0.06212	1	3784	-14.00000	29.00000	99.75000
0.00000	0.00000	-0.06101	1	3785	-13.00000	29.00000	99.75000
0.00000	0.00000	-0.05956	1	3786	-12.00000	29.00000	99.75000
0.00000	0.00000	-0.05778	1	3787	-11.00000	29.00000	99.75000
0.00000	0.00000	-0.05570	1	3788	-10.00000	29.00000	99.75000
0.00000	0.00000	-0.05333	1	3789	-9.00000	29.00000	99.75000
0.00000	0.00000	-0.05070	1	3790	-8.00000	29.00000	99.75000
0.00000	0.00000	-0.04784	1	3791	-7.00000	29.00000	99.75000
0.00000	0.00000	-0.04478	1	3792	-6.00000	29.00000	99.75000
0.00000	0.00000	-0.04155	1	3793	-5.00000	29.00000	99.75000
0.00000	0.00000	-0.03818	1	3794	-4.00000	29.00000	99.75000
0.00000	0.00000	-0.03471	1	3795	-3.00000	29.00000	99.75000
0.00000	0.00000	-0.03117	1	3796	-2.00000	29.00000	99.75000
0.00000	0.00000	-0.02758	1	3797	-1.00000	29.00000	99.75000
0.00000	0.00000	-0.02398	1	3798	0.00000	29.00000	99.75000
0.00000	0.00000	-0.02039	1	3799	1.00000	29.00000	99.75000
0.00000	0.00000	-0.01685	1	3800	2.00000	29.00000	99.75000
0.00000	0.00000	-0.01337	1	3801	3.00000	29.00000	99.75000
0.00000	0.00000	-0.00997	1	3802	4.00000	29.00000	99.75000
0.00000	0.00000	-0.00668	1	3803	5.00000	29.00000	99.75000
0.00000	0.00000	0.00122	1	3804	-40.00000	30.00000	99.75000
0.00000	0.00000	-0.00148	1	3805	-39.00000	30.00000	99.75000
0.00000	0.00000	-0.00428	1	3806	-38.00000	30.00000	99.75000
0.00000	0.00000	-0.00716	1	3807	-37.00000	30.00000	99.75000
				3808	-36.00000	30.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Ref.	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z	Coordinates: x
0.00000	0.00000	-0.01010	1	3809	-35.00000	30.00000	99.75000
0.00000	0.00000	-0.01309	1	3810	-34.00000	30.00000	99.75000
0.00000	0.00000	-0.01612	1	3811	-33.00000	30.00000	99.75000
0.00000	0.00000	-0.01916	1	3812	-32.00000	30.00000	99.75000
0.00000	0.00000	-0.02219	1	3813	-31.00000	30.00000	99.75000
0.00000	0.00000	-0.02520	1	3814	-30.00000	30.00000	99.75000
0.00000	0.00000	-0.02815	1	3815	-29.00000	30.00000	99.75000
0.00000	0.00000	-0.03103	1	3816	-28.00000	30.00000	99.75000
0.00000	0.00000	-0.03381	1	3817	-27.00000	30.00000	99.75000
0.00000	0.00000	-0.03647	1	3818	-26.00000	30.00000	99.75000
0.00000	0.00000	-0.03897	1	3819	-25.00000	30.00000	99.75000
0.00000	0.00000	-0.04131	1	3820	-24.00000	30.00000	99.75000
0.00000	0.00000	-0.04346	1	3821	-23.00000	30.00000	99.75000
0.00000	0.00000	-0.04538	1	3822	-22.00000	30.00000	99.75000
0.00000	0.00000	-0.04707	1	3823	-21.00000	30.00000	99.75000
0.00000	0.00000	-0.04850	1	3824	-20.00000	30.00000	99.75000
0.00000	0.00000	-0.04967	1	3825	-19.00000	30.00000	99.75000
0.00000	0.00000	-0.05054	1	3826	-18.00000	30.00000	99.75000
0.00000	0.00000	-0.05112	1	3827	-17.00000	30.00000	99.75000
0.00000	0.00000	-0.05139	1	3828	-16.00000	30.00000	99.75000
0.00000	0.00000	-0.05136	1	3829	-15.00000	30.00000	99.75000
0.00000	0.00000	-0.05101	1	3830	-14.00000	30.00000	99.75000
0.00000	0.00000	-0.05035	1	3831	-13.00000	30.00000	99.75000
0.00000	0.00000	-0.04939	1	3832	-12.00000	30.00000	99.75000
0.00000	0.00000	-0.04814	1	3833	-11.00000	30.00000	99.75000
0.00000	0.00000	-0.04660	1	3834	-10.00000	30.00000	99.75000
0.00000	0.00000	-0.04480	1	3835	-9.00000	30.00000	99.75000
0.00000	0.00000	-0.04275	1	3836	-8.00000	30.00000	99.75000
0.00000	0.00000	-0.04048	1	3837	-7.00000	30.00000	99.75000
0.00000	0.00000	-0.03801	1	3838	-6.00000	30.00000	99.75000
0.00000	0.00000	-0.03536	1	3839	-5.00000	30.00000	99.75000
0.00000	0.00000	-0.03256	1	3840	-4.00000	30.00000	99.75000
0.00000	0.00000	-0.02964	1	3841	-3.00000	30.00000	99.75000
0.00000	0.00000	-0.02662	1	3842	-2.00000	30.00000	99.75000
0.00000	0.00000	-0.02354	1	3843	-1.00000	30.00000	99.75000
0.00000	0.00000	-0.02041	1	3844	0.00000	30.00000	99.75000
0.00000	0.00000	-0.01728	1	3845	1.00000	30.00000	99.75000
0.00000	0.00000	-0.01414	1	3846	2.00000	30.00000	99.75000
0.00000	0.00000	-0.01104	1				

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Stage 2 - Bulk Excavation

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:		
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	x
Ref.	Name		Ref.				
0.00000	0.00000	-0.00799	1	3847	3.00000	30.00000	99.75000
0.00000	0.00000	-0.00501	1	3848	4.00000	30.00000	99.75000
0.00000	0.00000	-0.00211	1	3849	5.00000	30.00000	99.75000

1 - Data point coincident with displacement location. Its displacement has been added to those calculated by Xdisp.
2 - Data point coincident with horizontal movement calculation point for a specific building. Its displacement has been added before performing building damage calculations.
6 - Data point coincident with vertical movement calculation point for a specific building. Its displacement has been added before performing building damage calculations.

Polygonal Excavations

Ref. 1
Excavation Name: Basement Deepening - 97.5 m OD to 96.0 m OD
Surface level [m]: 97.500
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side	Prev. Side	Prev. Side	Next Side	Next Side	Next Side
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-32.000	-4.1000	-32.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
2	-32.000	6.2000	-18.200	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
7	-11.100	-4.1000	-11.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
8	-11.100	-3.0000	-22.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
9	-22.100	-3.0000	-22.100	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
10	-22.100	-4.1000	-32.000	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))

Ref. 2
Excavation Name: Retaining Wall Installation - 97.5 m OD to 96.00 m OD



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
Surface level [m]: 97.500						
Contribution: Positive						
Surface movement curves which are selected are applied between surface and [m]: 96.000						

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-32.000	-4.1000	-32.000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
2	-32.000	6.2000	-18.200	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
7	-11.100	-4.1000	-11.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
8	-11.100	-3.0000	-22.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
9	-22.100	-3.0000	-22.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
10	-22.100	-4.1000	-32.000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))

Ref. 3
Excavation Name: Basement Excavation - 99.75 m OD to 96.00 m OD
Surface level [m]: 99.750
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-11.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
5	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
6	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-11.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	-11.000	6.2000	-5.0000	6.2000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
4	-5.0000	6.2000	-5.4000	-1.4000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
5	-5.4000	-1.4000	-7.5000	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
6	-7.5000	-4.1000	-8.0000	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
7	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
8	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Ref. 4
Excavation Name: Retaining Wall Installation - 99.75 m OD to 96.00 m OD
Surface level [m]: 99.750
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
5	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
6	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-5.0000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-5.0000	6.2000	-5.4000	-1.4000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
4	-5.4000	-1.4000	-7.5000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
5	-7.5000	-4.1000	-8.0000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
6	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
7	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Circular Excavations

Vertical Ground Movement Curves

Curve Name: No vertical ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1



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	[m]	[m]	[m]	[m]		

y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]

[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.015][0.650,0.000,0.013][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = -1.2355E-2x⁴ + 3.4814E-2x³ - 2.8885E-3x² - 6.5618E-2x + 4.9987E-2
Coeff. of Determination: 1.0000

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]

[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.015][0.650,0.000,0.013][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = -1.2355E-2x⁴ + 3.4814E-2x³ - 2.8885E-3x² - 6.5618E-2x + 4.9987E-2
Coeff. of Determination: 1.0000

Horizontal Ground Movement Curves

Curve Name: No horizontal ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]

Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.050][1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.050][1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
y Order: 0 Polynomial: z = -3.33E-2x + 5.00E-2 Coeff. of Determination: 1.00 Curve Name: Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a)) Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)] [0.000,0.000,0.400][4.000,0.000,0.000] Curve Fitting Method: Polynomial x Order: 1 y Order: 0 Polynomial: z = -10.E-2x + 4.0E-1 Coeff. of Determination: 1.0 Curve Name: Exc. in front of high stiffness underpinned wall in stiff clay Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)] [0.000,0.000,0.150][4.000,0.000,0.000] Curve Fitting Method: Polynomial x Order: 1 y Order: 0 Polynomial: z = -3.75E-2x + 1.50E-1 Coeff. of Determination: 1.00						

Damage Category Strains

Ref.	Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
1	Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance
Vertical	Vertical	Damage Category	Poisson's E/G	Along	Along
Offsets from	Displacement	Strains	Ratio	Line:	Line:
Line for	Limit			Start	End
Movement	Sensitivity				
Calculations				[m]	[m]
[m]	[mm]				
1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	0.00000	3.19900
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	0.00000	2.51900
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	0.00000	7.79500
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	0.00000	0.44100
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5	0.00000	3.14300
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	No 11 LG - Line 6	0.00000	19.16200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	No 11 LG - Line 7	0.00000	14.19600
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
8	No 11 Lyndhurst Terrace	No 11 LG - Line 8	No 11 LG - Line 8	0.00000	21.24500
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	No 7 LG - Line 1	0.00000	8.18800
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
10	No 7 Lyndhurst Terrace	No 7 LG - Line 2	No 7 LG - Line 2	0.00000	5.42200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
11	No 7 Lyndhurst Terrace	No 7 LG - Line 3	No 7 LG - Line 3	0.00000	2.80400
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Ref. Vertical	Building Name Vertical	Sub-Building Name Damage Category	Poisson's Ratio	E/G	Displacement Line	Distance Along	Distance Along
12 No 7	Lyndhurst Terrace	No 7 LG - Line 4	0.20000	2.6000	No 7 LG - Line 4	0.00000	5.72600
0.0	0.10000 Burland Strain Limits						
13 No 7	Lyndhurst Terrace	No 7 LG - Line 5	0.20000	2.6000	No 7 LG - Line 5	0.00000	2.95200
0.0	0.10000 Burland Strain Limits						
14 No 7	Lyndhurst Terrace	No 7 LG - Line 6	0.20000	2.6000	No 7 LG - Line 6	0.00000	14.26600
0.0	0.10000 Burland Strain Limits						
15 No 7	Lyndhurst Terrace	No 7 LG - Line 7	0.20000	2.6000	No 7 LG - Line 7	0.00000	10.54400
0.0	0.10000 Burland Strain Limits						
16 No 7	Lyndhurst Terrace	No 7 LG - Line 8	0.20000	2.6000	No 7 LG - Line 8	0.00000	2.03800
0.0	0.10000 Burland Strain Limits						
17 No 7	Lyndhurst Terrace	No 7 LG - Line 9	0.20000	2.6000	No 7 LG - Line 9	0.00000	1.45900
0.0	0.10000 Burland Strain Limits						
18 No 7	Lyndhurst Terrace	No 7 LG - Line 10	0.20000	2.6000	No 7 LG - Line 10	0.00000	2.69300
0.0	0.10000 Burland Strain Limits						
19 No 7	Lyndhurst Terrace	No 7 LG - Line 11	0.20000	2.6000	No 7 LG - Line 11	0.00000	1.45900
0.0	0.10000 Burland Strain Limits						
20 No 7	Lyndhurst Terrace	No 7 LG - Line 12	0.20000	2.6000	No 7 LG - Line 12	0.00000	6.95300
0.0	0.10000 Burland Strain Limits						
21 No 7	Lyndhurst Terrace	No 7 LG - Line 13	0.20000	2.6000	No 7 LG - Line 13	0.00000	1.85800
0.0	0.10000 Burland Strain Limits						
22 No 7	Lyndhurst Terrace	No 7 LG - Line 14	0.20000	2.6000	No 7 LG - Line 14	0.00000	2.52200
0.0	0.10000 Burland Strain Limits						
23 No 7	Lyndhurst Terrace	No 7 LG - Line 15	0.20000	2.6000	No 7 LG - Line 15	0.00000	8.66200
0.0	0.10000 Burland Strain Limits						
24 No 7	Lyndhurst Terrace	No 7 LG - Line 16	0.20000	2.6000	No 7 LG - Line 16	0.00000	1.17900
0.0	0.10000 Burland Strain Limits						
25 No 7	Lyndhurst Terrace	No 7 LG - Line 17	0.20000	2.6000	No 7 LG - Line 17	0.00000	0.93000
0.0	0.10000 Burland Strain Limits						
26 No 7	Lyndhurst Terrace	No 7 LG - Line 18	0.20000	2.6000	No 7 LG - Line 18	0.00000	6.92100
0.0	0.10000 Burland Strain Limits						
27 No 7	Lyndhurst Terrace	No 7 LG - Line 19	0.20000	2.6000	No 7 LG - Line 19	0.00000	1.18400
0.0	0.10000 Burland Strain Limits						
28 No 7	Lyndhurst Terrace	No 7 LG - Line 20	0.20000	2.6000	No 7 LG - Line 20	0.00000	1.84300
0.0	0.10000 Burland Strain Limits						
29 No 7	Lyndhurst Terrace	No 7 LG - Line 21	0.20000	2.6000	No 7 LG - Line 21	0.00000	1.34300
0.0	0.10000 Burland Strain Limits						
30 No 7	Lyndhurst Terrace	No 7 LG - Line 22	0.20000	2.6000	No 7 LG - Line 22	0.00000	6.70000
0.0	0.10000 Burland Strain Limits						
31 No 7	Lyndhurst Terrace	No 7 LG - Line 23	0.20000	2.6000	No 7 LG - Line 23	0.00000	23.74000
0.0	0.10000 Burland Strain Limits						
32 No 7	Lyndhurst Terrace	No 7 LG - Line 24	0.20000	2.6000	No 7 LG - Line 24	0.00000	4.82600
0.0	0.10000 Burland Strain Limits						
33 No 7	Lyndhurst Terrace	No 7 LG - Line 25	0.20000	2.6000	No 7 LG - Line 25	0.00000	4.91100
0.0	0.10000 Burland Strain Limits						
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line			Lyndhurst Terrace Curb Line	0.00000	70.00000
0.0	0.10000 Burland Strain Limits						

Specific Buildings - Bending Parameters

Ref. Sagging:	Building Name Sagging:	Sub-Building Name Sagging:	Height [m]	Default	Hogging: 2nd Mom. of Area (per unit width)	Hogging: Dist. of Bending from N.A. [m]	Hogging: Dist. of N.A. from Edge of Beam in Tension [m]
1 No 11	Lyndhurst Terrace	No 11 LG - Line 1	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
2 No 11	Lyndhurst Terrace	No 11 LG - Line 2	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
3 No 11	Lyndhurst Terrace	No 11 LG - Line 3	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
4 No 11	Lyndhurst Terrace	No 11 LG - Line 4	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
5 No 11	Lyndhurst Terrace	No 11 LG - Line 5	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
6 No 11	Lyndhurst Terrace	No 11 LG - Line 6	15.330	Yes	1200.9	15.330	15.330



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Ref. Sagging:	Building Name Sagging:	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:
2nd Mom.	Dist. of				2nd Mom.	Dist. of	Dist. of
300.22	7.6650						
7 No 11	Lyndhurst Terrace	No 11 LG - Line 7	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650						
8 No 11	Lyndhurst Terrace	No 11 LG - Line 8	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650						
9 No 7	Lyndhurst Terrace	No 7 LG - Line 1	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
10 No 7	Lyndhurst Terrace	No 7 LG - Line 2	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
11 No 7	Lyndhurst Terrace	No 7 LG - Line 3	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
12 No 7	Lyndhurst Terrace	No 7 LG - Line 4	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
13 No 7	Lyndhurst Terrace	No 7 LG - Line 5	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
14 No 7	Lyndhurst Terrace	No 7 LG - Line 6	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
15 No 7	Lyndhurst Terrace	No 7 LG - Line 7	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
16 No 7	Lyndhurst Terrace	No 7 LG - Line 8	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
17 No 7	Lyndhurst Terrace	No 7 LG - Line 9	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
18 No 7	Lyndhurst Terrace	No 7 LG - Line 10	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
19 No 7	Lyndhurst Terrace	No 7 LG - Line 11	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
20 No 7	Lyndhurst Terrace	No 7 LG - Line 12	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
21 No 7	Lyndhurst Terrace	No 7 LG - Line 13	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
22 No 7	Lyndhurst Terrace	No 7 LG - Line 14	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
23 No 7	Lyndhurst Terrace	No 7 LG - Line 15	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
24 No 7	Lyndhurst Terrace	No 7 LG - Line 16	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
25 No 7	Lyndhurst Terrace	No 7 LG - Line 17	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
26 No 7	Lyndhurst Terrace	No 7 LG - Line 18	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
27 No 7	Lyndhurst Terrace	No 7 LG - Line 19	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
28 No 7	Lyndhurst Terrace	No 7 LG - Line 20	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
29 No 7	Lyndhurst Terrace	No 7 LG - Line 21	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150						
30 No 7	Lyndhurst Terrace	No 7 LG - Line 22	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500						
31 No 7	Lyndhurst Terrace	No 7 LG - Line 23	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500						
32 No 7	Lyndhurst Terrace	No 7 LG - Line 24	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500						
33 No 7	Lyndhurst Terrace	No 7 LG - Line 25	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500						
34 Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.50000	Yes	0.041667	0.50000	0.50000	0.50000
0.010417	0.25000						

Warnings

- Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- The following polygonal excavations have one or more re-entrant corners: 1, 2, 3, 4. The use of re-entrant corners is permitted but not recommended. CIRIA C580/C760, on which XDisp's method for modelling ground movements behind walls of excavations is based, considers only movements for points lying at right angles behind single walls. It does not consider how movements should be calculated within the zone of influence of re-entrant corners, i.e. where movements would be influenced by two walls adjacent to the re-entrant corner. By default, XDisp will merely sum the effects from both walls, making no allowance for interaction or stiffening of the corner. Please refer to help manual for artificial smoothing options. Re-entrant corners should be used with caution. Results in their vicinity should be validated independently.
- If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points



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Ref. Building Name Sub-Building Name Height Default Hogging: Hogging: Hogging:
Sagging: Sagging: Sagging:

2nd Mom. Dist. of Dist. of 2nd Mom. Dist. of Dist. of

below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Vertical. This is an example only. There are 272 others.
4 If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Horizontal. This is an example only. There are 246 others.

Errors

None

Displacement Results - Displacement Lines

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
[mm]	[mm]	[mm]	[°]		[m]	[m]	[m]	[m]	[mm]	[mm]
0	Base Model 1	No 11	LG - Line 1		0.0	-31.74200	10.69900	98.25000	0.0	-1.6177
-0.54531	-1.6158	-0.077353	87.259	*	0.53328	-31.71650	11.23167	98.25000	0.0	-1.0681
-0.50604	-1.0669	-0.051074	87.259	*	1.0666	-31.69100	11.76433	98.25000	0.0	-0.50728
-0.47028	-0.50670	-0.024257	87.259	*	1.5998	-31.66550	12.29700	98.25000	0.0	-0.031408
-0.43755	-0.031373	-0.0015019	87.259	*	2.1331	-31.64000	12.82967	98.25000	0.0	0.0
-0.40746	0.0	0.0	87.259	*	2.6664	-31.61450	13.36233	98.25000	0.0	0.0
-0.37970	0.0	0.0	87.259	*	3.1997	-31.58900	13.89500	98.25000	0.0	0.0
-0.35401	0.0	0.0	87.259	*	0.0	-31.58900	13.89500	98.25000	0.0	0.0
-0.35401	0.0	0.0	357.27	*	0.50397	-31.08560	13.87100	98.25000	0.0	0.0
-0.37170	0.0	0.0	357.27	*	1.0079	-30.58220	13.84700	98.25000	0.0	-0.12027
-0.38968	0.0057273	-0.12013	357.27	*	1.5119	-30.07880	13.82300	98.25000	0.0	-0.27644
-0.40788	0.013164	-0.27612	357.27	*	2.0159	-29.57540	13.79900	98.25000	0.0	-0.44168
-0.42627	0.021034	-0.44118	357.27	*	2.5199	-29.07200	13.77500	98.25000	0.0	-0.61672
-0.44479	0.029369	-0.61602	357.27	*	0.0	-29.07200	13.77500	98.25000	0.0	-0.61672
-0.44479	-0.61601	-0.029507	87.258	*	0.48725	-29.04869	14.26169	98.25000	0.0	-0.54684
-0.41551	-0.54622	-0.026164	87.258	*	0.97449	-29.02538	14.74838	98.25000	0.0	-0.46068
-0.38836	-0.46015	-0.022042	87.258	*	1.4617	-29.00206	15.23506	98.25000	0.0	-0.35850
-0.36315	-0.35809	-0.017153	87.258	*	1.9490	-28.97875	15.72175	98.25000	0.0	-0.24064
-0.33967	-0.24036	-0.011513	87.258	*	2.4362	-28.95544	16.20844	98.25000	0.0	-0.10749
-0.31778	-0.10737	-0.0051429	87.258	*	2.9235	-28.93212	16.69513	98.25000	0.0	0.0
-0.29733	0.0	0.0	87.258	*	3.4107	-28.90881	17.18181	98.25000	0.0	0.0
-0.27820	0.0	0.0	87.258	*	3.8980	-28.88550	17.66850	98.25000	0.0	0.0
-0.26029	0.0	0.0	87.258	*	4.3852	-28.86219	18.15519	98.25000	0.0	0.0
-0.24350	0.0	0.0	87.258	*	4.8725	-28.83888	18.64187	98.25000	0.0	0.0
-0.22773	0.0	0.0	87.258	*	5.3597	-28.81556	19.12856	98.25000	0.0	0.0



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-0.21292	0.0	0.0	87.258	*	5.8469	-28.79225	19.61525	98.25000	0.0	0.0
-0.19899	0.0	0.0	87.258	*	6.3342	-28.76894	20.10194	98.25000	0.0	0.0
-0.18589	0.0	0.0	87.258	*	6.8214	-28.74563	20.58863	98.25000	0.0	0.0
-0.17354	0.0	0.0	87.258	*	7.3087	-28.72231	21.07531	98.25000	0.0	0.0
-0.16191	0.0	0.0	87.258	*	7.7959	-28.69900	21.56200	98.25000	0.0	0.0
-0.15094	0.0	0.0	87.258	*	0.0	-28.69900	21.56200	98.25000	0.0	0.0
-0.15094	0.0	4	No 11 LG - Line 4	*	0.22097	-28.91650	21.60100	98.25000	0.0	0.0
-0.14802	0.0	0.0	169.83	*	0.44194	-29.13400	21.64000	98.25000	0.0	0.0
-0.14513	0.0	0.0	169.83	*	0.0	-29.13400	21.64000	98.25000	0.0	0.0
-0.14513	0.0	5	No 11 LG - Line 5	*	0.52393	-29.10900	22.16333	98.25000	0.0	0.0
-0.13444	0.0	0.0	87.265	*	1.0479	-29.08400	22.68667	98.25000	0.0	0.0
-0.12438	0.0	0.0	87.265	*	1.5718	-29.05900	23.21000	98.25000	0.0	0.0
-0.11491	0.0	0.0	87.265	*	2.0957	-29.03400	23.73333	98.25000	0.0	0.0
-0.10600	0.0	0.0	87.265	*	2.6197	-29.00900	24.25667	98.25000	0.0	0.0
-0.097608	0.0	0.0	87.265	*	3.1436	-28.98400	24.78000	98.25000	0.0	0.0
-0.089699	0.0	0.0	87.265	*	0.0	-28.98400	24.78000	98.25000	0.0	0.0
-0.089699	0.0	6	No 11 LG - Line 6	*	0.50429	-28.48029	24.75592	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.0086	-27.97658	24.73184	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.5129	-27.47287	24.70776	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.0171	-26.96916	24.68368	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.5214	-26.46545	24.65961	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.0257	-25.96174	24.63553	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.5300	-25.45803	24.61145	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.0343	-24.95432	24.58737	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.5386	-24.45061	24.56329	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.0429	-23.94689	24.53921	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.5471	-23.44318	24.51513	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.0514	-22.93947	24.49105	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.5557	-22.43576	24.46697	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.0600	-21.93205	24.44289	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.5643	-21.42834	24.41882	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.0686	-20.92463	24.39474	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.5729	-20.42092	24.37066	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.0771	-19.91721	24.34658	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.5814	-19.41350	24.32250	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.086	-18.90979	24.29842	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.590	-18.40608	24.27434	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.094	-17.90237	24.25026	98.25000	0.0	0.0



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0.0	0.0	0.0	357.26		11.599	-17.39866	24.22618	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.103	-16.89495	24.20211	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.607	-16.39124	24.17803	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.111	-15.88753	24.15395	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.616	-15.38382	24.12987	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		14.120	-14.88011	24.10579	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		14.624	-14.37639	24.08171	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		15.129	-13.87268	24.05763	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		15.633	-13.36897	24.03355	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		16.137	-12.86526	24.00947	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		16.641	-12.36155	23.98539	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		17.146	-11.85784	23.96132	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		17.650	-11.35413	23.93724	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		18.154	-10.85042	23.91316	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		18.659	-10.34671	23.88908	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		19.163	-9.84300	23.86500	98.25000	0.0	0.0
-0.13799	0.0	0.0	357.26	*						
		7	No 11 IG - Line 7		0.0	-9.84300	23.86500	98.25000	0.0	0.0
-0.13799	0.0	0.0	267.26	*						
-0.14963	0.0	0.0	267.26	*	0.50701	-9.86721	23.35857	98.25000	0.0	0.0
-0.16210	0.0	0.0	267.26	*	1.0140	-9.89143	22.85214	98.25000	0.0	0.0
-0.17546	0.0	0.0	267.26	*	1.5210	-9.91564	22.34571	98.25000	0.0	0.0
-0.18979	0.0	0.0	267.26	*	2.0280	-9.93986	21.83929	98.25000	0.0	0.0
-0.20519	0.0	0.0	267.26	*	2.5350	-9.96407	21.33286	98.25000	0.0	0.0
-0.22174	0.13993	0.0066906	267.26	*	3.0420	-9.98829	20.82643	98.25000	0.0	-0.14009
-0.23955	0.32962	0.015761	267.26	*	3.5490	-10.01250	20.32000	98.25000	0.0	-0.33000
-0.25875	0.51932	0.024831	267.26	*	4.0561	-10.03671	19.81357	98.25000	0.0	-0.51991
-0.27946	0.70901	0.033901	267.26	*	4.5631	-10.06093	19.30714	98.25000	0.0	-0.70982
-0.30185	0.89871	0.042971	267.26	*	5.0701	-10.08514	18.80071	98.25000	0.0	-0.89973
-0.32609	1.0884	0.052041	267.26	*	5.5771	-10.10936	18.29429	98.25000	0.0	-1.0896
-0.35236	1.2781	0.061111	267.26	*	6.0841	-10.13357	17.78786	98.25000	0.0	-1.2796
-0.38091	1.4678	0.070181	267.26	*	6.5911	-10.15779	17.28143	98.25000	0.0	-1.4695
-0.41197	1.6575	0.079251	267.26	*	7.0981	-10.18200	16.77500	98.25000	0.0	-1.6594
-0.44586	1.8472	0.088321	267.26	*	7.6051	-10.20621	16.26857	98.25000	0.0	-1.8493
-0.48290	2.0369	0.097391	267.26	*	8.1121	-10.23043	15.76214	98.25000	0.0	-2.0392
-0.52350	2.2266	0.10646	267.26	*	8.6191	-10.25464	15.25571	98.25000	0.0	-2.2291
-0.56812	2.4163	0.11553	267.26	*	9.1261	-10.27886	14.74929	98.25000	0.0	-2.4190
-0.61729	2.6060	0.12460	267.26	*	9.6331	-10.30307	14.24286	98.25000	0.0	-2.6089
-0.67167	2.7956	0.13367	267.26	*	10.140	-10.32729	13.73643	98.25000	0.0	-2.7988
-0.73202	2.9853	0.14274	267.26	*	10.647	-10.35150	13.23000	98.25000	0.0	-2.9888
					11.154	-10.37571	12.72357	98.25000	0.0	-3.1787



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Stage 2 - Bulk Excavation

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
-0.79926	3.1750	0.15181	267.26	*						
					11.661	-10.39993	12.21714	98.25000	0.0	-3.3686
-0.87450	3.3647	0.16088	267.26	*						
					12.168	-10.42414	11.71071	98.25000	0.0	-3.5966
-0.95216	3.5925	0.17177	267.26	*						
					12.675	-10.44836	11.20429	98.25000	0.0	-3.9553
-1.0236	3.9508	0.18890	267.26	*						
					13.182	-10.47257	10.69786	98.25000	0.0	-4.3140
-1.1025	4.3091	0.20603	267.26	*						
					13.689	-10.49679	10.19143	98.25000	0.0	-4.6727
-1.1760	4.6674	0.22317	267.26	*						
					14.196	-10.52100	9.68500	98.25000	0.0	-5.0315
-1.2360	5.0257	0.24030	267.26	*						
					0.0	-10.52100	9.68500	98.25000	0.0	-5.0315
-1.2360	-0.24014	8 5.0257	No 11 LG - Line 8 177.26	*						
					0.50584	-11.02626	9.70914	98.25000	0.0	-12.196
-1.2623	-0.58210	12.182	177.26	*						
					1.0117	-11.53152	9.73329	98.25000	0.0	-12.164
-1.2850	-0.58057	12.150	177.26	*						
					1.5175	-12.03679	9.75743	98.25000	0.0	-12.132
-1.3042	-0.57903	12.118	177.26	*						
					2.0234	-12.54205	9.78157	98.25000	0.0	-12.100
-1.3199	-0.57749	12.086	177.26	*						
					2.5292	-13.04731	9.80571	98.25000	0.0	-12.067
-1.3319	-0.57596	12.054	177.26	*						
					3.0350	-13.55257	9.82986	98.25000	0.0	-12.079
-1.3404	-0.57650	12.065	177.26	*						
					3.5409	-14.05783	9.85400	98.25000	0.0	-12.222
-1.3452	-0.58335	12.208	177.26	*						
					4.0467	-14.56310	9.87814	98.25000	0.0	-12.387
-1.3465	-0.59123	12.373	177.26	*						
					4.5525	-15.06836	9.90229	98.25000	0.0	-12.575
-1.3443	-0.60019	12.561	177.26	*						
					5.0584	-15.57362	9.92643	98.25000	0.0	-12.784
-1.3387	-0.61017	12.770	177.26	*						
					5.5642	-16.07888	9.95057	98.25000	0.0	-13.011
-1.3298	-0.62101	12.996	177.26	*						
					6.0701	-16.58414	9.97471	98.25000	0.0	-13.248
-1.3179	-0.63232	13.233	177.26	*						
					6.5759	-17.08940	9.99886	98.25000	0.0	-13.482
-1.3032	-0.64348	13.467	177.26	*						
					7.0817	-17.59467	10.02300	98.25000	0.0	-13.694
-1.2860	-0.65360	13.679	177.26	*						
					7.5876	-18.09993	10.04714	98.25000	0.0	-13.856
-1.2669	-0.66131	13.840	177.26	*						
					8.0934	-18.60519	10.07129	98.25000	0.0	-12.806
-1.2612	-0.61120	12.791	177.26	*						
					8.5993	-19.11045	10.09543	98.25000	0.0	-11.705
-1.2589	-0.55867	11.692	177.26	*						
					9.1051	-19.61571	10.11957	98.25000	0.0	-10.638
-1.2559	-0.50772	10.626	177.26	*						
					9.6109	-20.12098	10.14371	98.25000	0.0	-9.6352
-1.2490	-0.45987	9.6242	177.26	*						
					10.117	-20.62624	10.16786	98.25000	0.0	-8.7155
-1.2370	-0.41598	8.7055	177.26	*						
					10.623	-21.13150	10.19200	98.25000	0.0	-7.8844
-1.2202	-0.37631	7.8754	177.26	*						
					11.128	-21.63676	10.21614	98.25000	0.0	-7.1400
-1.2008	-0.34078	7.1318	177.26	*						
					11.634	-22.14202	10.24029	98.25000	0.0	-6.4911
-1.1789	-0.30981	6.4837	177.26	*						
					12.140	-22.64729	10.26443	98.25000	0.0	-5.9564
-1.1486	-0.28429	5.9496	177.26	*						
					12.646	-23.15255	10.28857	98.25000	0.0	-5.4799
-1.1177	-0.26155	5.4737	177.26	*						
					13.152	-23.65781	10.31271	98.25000	0.0	-5.0541
-1.0862	-0.24123	5.0484	177.26	*						
					13.658	-24.16307	10.33686	98.25000	0.0	-4.6722
-1.0542	-0.22300	4.6669	177.26	*						
					14.163	-24.66833	10.36100	98.25000	0.0	-4.3282
-1.0216	-0.20658	4.3232	177.26	*						
					14.669	-25.17360	10.38514	98.25000	0.0	-4.0169
-0.98851	-0.19172	4.0123	177.26	*						
					15.175	-25.67886	10.40929	98.25000	0.0	-3.7341
-0.95499	-0.17822	3.7298	177.26	*						
					15.681	-26.18412	10.43343	98.25000	0.0	-3.4759
-0.92113	-0.16590	3.4720	177.26	*						



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Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
-0.88698	-0.15461	3.2356	177.26	*	16.187	-26.68938	10.45757	98.25000	0.0	-3.2393
-0.85262	-0.14421	3.0180	177.26	*	16.693	-27.19464	10.48171	98.25000	0.0	-3.0214
-0.81812	-0.13460	2.8169	177.26	*	17.199	-27.69990	10.50586	98.25000	0.0	-2.8201
-0.78353	-0.12568	2.6303	177.26	*	17.704	-28.20517	10.53000	98.25000	0.0	-2.6333
-0.74891	-0.11738	2.4566	177.26	*	18.210	-28.71043	10.55414	98.25000	0.0	-2.4594
-0.71433	-0.10963	2.2943	177.26	*	18.716	-29.21569	10.57829	98.25000	0.0	-2.2969
-0.67985	-0.10236	2.1422	177.26	*	19.222	-29.72095	10.60243	98.25000	0.0	-2.1446
-0.64559	-0.09524	1.9991	177.26	*	19.728	-30.22621	10.62657	98.25000	0.0	-2.0014
-0.61164	-0.089079	1.8643	177.26	*	20.234	-30.73148	10.65071	98.25000	0.0	-1.8664
-0.57816	-0.082985	1.7367	177.26	*	20.739	-31.23674	10.67486	98.25000	0.0	-1.7387
-0.54531	-0.077209	1.6158	177.26	*	21.245	-31.74200	10.69900	98.25000	0.0	-1.6177
-2.2967	-4.4515	5.7247	0.21692	*	0.0	-20.99000	-4.35700	96.40000	-4.4732	5.7078
-2.4386	-3.5734	5.2668	0.21692	*	1.0235	-19.96650	-4.35313	96.40000	-3.5933	5.2532
-2.4551	-2.6717	5.1253	0.21692	*	2.0470	-18.94300	-4.34925	96.40000	-2.6911	5.1151
-2.4625	-1.7255	5.0604	0.21692	*	3.0705	-17.91950	-4.34537	96.40000	-1.7447	5.0538
-2.4623	-0.55434	5.0283	0.21692	*	4.0940	-16.89600	-4.34150	96.40000	-0.57337	5.0262
-2.4522	1.2019	5.0278	0.21692	*	5.1175	-15.87250	-4.33763	96.40000	1.1829	5.0323
-2.4307	2.1740	5.0632	0.21692	*	6.1410	-14.84900	-4.33375	96.40000	2.1548	5.0714
-2.3966	3.1093	5.1170	0.21692	*	7.1646	-13.82550	-4.32987	96.40000	3.0899	5.1288
-2.3185	4.1057	5.2390	0.21692	*	8.1881	-12.80200	-4.32600	96.40000	4.0859	5.2545
-2.3026	-5.2701	4.1889	270.06	*	0.0	-12.70200	-4.32600	96.40000	4.1831	5.2748
-1.8279	-4.9571	2.2540	270.06	*	1.0844	-12.70080	-5.41040	96.40000	2.2485	4.9596
-1.4452	-4.3645	1.1746	270.06	*	2.1688	-12.69960	-6.49480	96.40000	1.1697	4.3658
-1.1693	-3.4040	0.59903	270.06	*	3.2532	-12.69840	-7.57920	96.40000	0.59527	3.4047
-0.95758	-2.2348	0.25216	270.06	*	4.3376	-12.69720	-8.66360	96.40000	0.24968	2.2351
-0.79315	-1.6434	0.024757	270.06	*	5.4220	-12.69600	-9.74800	96.40000	0.022938	1.6434
-0.77985	0.0059553	1.6131	0.0	*	0.0	-12.69600	-9.84800	96.40000	0.0059553	1.6131
-0.75945	0.015607	1.9988	0.0	*	0.93500	-11.76100	-9.84800	96.40000	0.015607	1.9988
-0.73528	0.0	2.3800	0.0	*	1.8700	-10.82600	-9.84800	96.40000	0.0	2.3800
-0.70730	0.0	2.7713	0.0	*	2.8050	-9.89100	-9.84800	96.40000	0.0	2.7713
-0.69554	-2.7157	0.048850	271.03	*	0.0	-9.89100	-9.94800	96.40000	0.0	2.7161
-0.59427	-2.4689	0.044411	271.03	*	0.95449	-9.87383	-10.90233	96.40000	0.0	2.4693
-0.51040	-2.2397	0.040289	271.03	*	1.9090	-9.85667	-11.85667	96.40000	0.0	2.2401
-0.44006	-1.9831	0.035672	271.03	*	2.8635	-9.83950	-12.81100	96.40000	0.0	1.9834
-0.38048	-1.7066	0.030699	271.03	*	3.8180	-9.82233	-13.76533	96.40000	0.0	1.7069
-0.32957	-1.4153	0.025459	271.03	*	4.7724	-9.80517	-14.71967	96.40000	0.0	1.4156
-0.28577	-1.1127	0.020016	271.03	*	5.7269	-9.78800	-15.67400	96.40000	0.0	1.1129
-0.28156	0.0	-1.0805	180.00	*	0.0	-9.78800	-15.77400	96.40000	0.0	1.0805
				*	0.98400	-10.77200	-15.77400	96.40000	0.0	0.95848



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Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
-0.29210	0.0	-0.95848	180.00	*						
					1.9680	-11.75600	-15.77400	96.40000	0.0	0.82287
-0.30139	0.0	-0.82287	180.00	*						
					2.9520	-12.74000	-15.77400	96.40000	0.0	0.67913
-0.30934	0.0	-0.67913	180.00	*						
					0.0	-12.74000	-15.87400	96.40000	0.0	0.65453
-0.30474	-0.65338	-0.038815	266.60	*						
					0.95107	-12.79640	-16.82340	96.40000	0.0	0.40525
-0.26471	-0.40454	-0.024032	266.60	*						
					1.9021	-12.85280	-17.77280	96.40000	0.0	0.14431
-0.22983	-0.14405	-0.0085577	266.60	*						
					2.8532	-12.90920	-18.72220	96.40000	0.0	0.0
-0.19934	0.0	0.0	266.60	*						
					3.8043	-12.96560	-19.67160	96.40000	0.0	0.0
-0.17258	0.0	0.0	266.60	*						
					4.7554	-13.02200	-20.62100	96.40000	0.0	0.0
-0.14902	0.0	0.0	266.60	*						
					5.7064	-13.07840	-21.57040	96.40000	0.0	0.0
-0.12822	0.0	0.0	266.60	*						
					6.6575	-13.13480	-22.51980	96.40000	0.0	0.0
-0.10982	0.0	0.0	266.60	*						
					7.6086	-13.19120	-23.46920	96.40000	0.0	0.0
-0.093508	0.0	0.0	266.60	*						
					8.5597	-13.24760	-24.41860	96.40000	0.0	0.0
-0.079019	0.0	0.0	266.60	*						
					9.5107	-13.30400	-25.36800	96.40000	0.0	0.0
-0.066130	0.0	0.0	266.60	*						
					10.462	-13.36040	-26.31740	96.40000	0.0	0.0
-0.054653	0.0	0.0	266.60	*						
					11.413	-13.41680	-27.26680	96.40000	0.0	0.0
-0.044421	0.0	0.0	266.60	*						
					12.364	-13.47320	-28.21620	96.40000	0.0	0.0
-0.035294	0.0	0.0	266.60	*						
					13.315	-13.52960	-29.16560	96.40000	0.0	0.0
-0.027147	0.0	0.0	266.60	*						
					14.266	-13.58600	-30.11500	96.40000	0.0	0.0
-0.019874	0.0	0.0	266.60	*						
					0.0	-13.58600	-30.21500	96.40000	0.0	0.0
-0.019150	15	No 7 LG - Line 7	181.51	*						
	0.0	0.0			1.0545	-14.64010	-30.24270	96.40000	0.0	0.0
-0.019592	0.0	0.0	181.51	*						
					2.1089	-15.69420	-30.27040	96.40000	0.0	0.0
-0.019834	0.0	0.0	181.51	*						
					3.1634	-16.74830	-30.29810	96.40000	0.0	0.0
-0.019873	0.0	0.0	181.51	*						
					4.2179	-17.80240	-30.32580	96.40000	0.0	0.0
-0.019709	0.0	0.0	181.51	*						
					5.2723	-18.85650	-30.35350	96.40000	0.0	0.0
-0.019344	0.0	0.0	181.51	*						
					6.3268	-19.91060	-30.38120	96.40000	0.0	0.0
-0.018783	0.0	0.0	181.51	*						
					7.3812	-20.96470	-30.40890	96.40000	0.0	0.0
-0.018031	0.0	0.0	181.51	*						
					8.4357	-22.01880	-30.43660	96.40000	0.0	0.0
-0.017098	0.0	0.0	181.51	*						
					9.4902	-23.07290	-30.46430	96.40000	0.0	0.0
-0.015993	0.0	0.0	181.51	*						
					10.545	-24.12700	-30.49200	96.40000	0.0	0.0
-0.014728	0.0	0.0	181.51	*						
					0.0	-24.22700	-30.49200	96.40000	0.0	0.0
-0.014618	16	No 7 LG - Line 8	90.394	*						
	0.0	0.0			1.0190	-24.23400	-29.47300	96.40000	0.0	0.0
-0.021740	0.0	0.0	90.394	*						
					2.0380	-24.24100	-28.45400	96.40000	0.0	0.0
-0.029781	0.0	0.0	90.394	*						
					0.0	-24.34100	-28.45400	96.40000	0.0	0.0
-0.029631	17	No 7 LG - Line 9	180.47	*						
	0.0	0.0			0.72952	-25.07050	-28.46000	96.40000	0.0	0.0
-0.028433	0.0	0.0	180.47	*						
					1.4590	-25.80000	-28.46600	96.40000	0.0	0.0
-0.027144	0.0	0.0	180.47	*						
					0.0	-25.90000	-28.46600	96.40000	0.0	0.0
-0.026968	18	No 7 LG - Line 10	90.404	*						
	0.0	0.0			1.3465	-25.90950	-27.11950	96.40000	0.0	0.0
-0.038609	0.0	0.0	90.404	*						
					2.6931	-25.91900	-25.77300	96.40000	0.0	0.0
-0.052264	0.0	0.0	90.404	*						



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Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
-0.052524	19	0.0	0.0	No 7 LG - Line 11	0.0	-25.81900	-25.77300	96.40000	0.0	0.0
			0.47124	*	0.72952	-25.08950	-25.76700	96.40000	0.0	0.0
-0.054417		0.0	0.0		1.4590	-24.36000	-25.76100	96.40000	0.0	0.0
-0.056180		0.0	0.0		0.0	-24.26000	-25.76100	96.40000	0.0	0.0
-0.056401	20	0.0	0.0	No 7 LG - Line 12	0.0	-24.26000	-25.76100	96.40000	0.0	0.0
			90.404	*	0.99331	-24.26700	-24.76771	96.40000	0.0	0.0
-0.068617		0.0	0.0		1.9866	-24.27400	-23.77443	96.40000	0.0	0.0
-0.082409		0.0	0.0		2.9799	-24.28100	-22.78114	96.40000	0.0	0.0
-0.098005		0.0	0.0		3.9732	-24.28800	-21.78786	96.40000	0.0	0.0
-0.11567		0.0	0.0		4.9666	-24.29500	-20.79457	96.40000	0.0	0.0
-0.13573		0.0	0.0		5.9599	-24.30200	-19.80129	96.40000	0.0	0.0
-0.15856		0.0	0.0		6.9532	-24.30900	-18.80800	96.40000	0.0	0.0
-0.18462		0.0	0.0		0.0	-24.30900	-18.70800	96.40000	0.0	0.0
-0.18745	21	0.0	0.0	No 7 LG - Line 13	0.0	-24.30900	-18.70800	96.40000	0.0	0.0
			180.00	*	0.92900	-25.23800	-18.70800	96.40000	0.0	0.0
-0.18123		0.0	0.0		1.8580	-26.16700	-18.70800	96.40000	0.0	0.0
-0.17442		0.0	0.0		0.0	-26.26700	-18.70800	96.40000	0.0	0.0
-0.17365	22	0.0	0.0	No 7 LG - Line 14	0.0	-26.26700	-18.70800	96.40000	0.0	0.0
			126.44	*	0.84069	-26.76633	-18.03167	96.40000	0.0	0.0
-0.18794		0.0	0.0		1.6814	-27.26567	-17.35533	96.40000	0.0	0.0
-0.20288		0.0	0.0		2.5221	-27.76500	-16.67900	96.40000	0.0	0.0
-0.21846		0.0	0.0		0.0	-27.76500	-16.57900	96.40000	0.0	0.0
-0.22170	23	0.0	0.0	No 7 LG - Line 15	0.0	-27.76500	-16.57900	96.40000	0.0	0.0
			87.890	*	1.0829	-27.72513	-15.49688	96.40000	0.0	0.0
-0.26042		0.0	0.0		2.1657	-27.68525	-14.41475	96.40000	0.0	0.0
-0.30592		0.0	0.0		3.2486	-27.64538	-13.33263	96.40000	0.0	0.0
-0.35984		0.0	0.0		4.3314	-27.60550	-12.25050	96.40000	0.0	0.0
-0.42435		0.0	0.0		5.4143	-27.56563	-11.16838	96.40000	0.0	0.0
-0.50248		0.0	0.0		6.4972	-27.52575	-10.08625	96.40000	0.0	0.013750
-0.59856	0.013741	506.33E-6	87.890	*	7.5800	-27.48588	-9.00413	96.40000	0.0	1.0959
-0.71904	1.0951	0.040354	87.890	*	8.6629	-27.44600	-7.92200	96.40000	0.0	2.1780
-0.87407	2.1765	0.080202	87.890	*	0.0	-27.44600	-7.82200	96.40000	0.0	2.2780
-0.89043	0.0019321	2.2780	0.048597	*	0.58950	-26.85650	-7.82150	96.40000	0.0	2.2785
-0.92612	0.0019326	2.2785	0.048597	*	1.1790	-26.26700	-7.82100	96.40000	0.0	2.2790
-0.96019	0.0019330	2.2790	0.048597	*	0.0	-26.16700	-7.82100	96.40000	0.0	2.2790
-0.96577	2.2790	-0.0024505	90.062	*	0.093000	-26.16710	-7.72800	96.40000	0.0	2.3720
-0.98305	2.3720	-0.0025505	90.062	*	0.18600	-26.16720	-7.63500	96.40000	0.0	2.4650
-1.0008	2.4650	-0.0026505	90.062	*	0.27900	-26.16730	-7.54200	96.40000	0.0	2.5580
-1.0190	2.5580	-0.0027505	90.062	*	0.37200	-26.16740	-7.44900	96.40000	0.0	2.6510
-1.0376	2.6510	-0.0028505	90.062	*	0.46500	-26.16750	-7.35600	96.40000	0.0	2.7440
-1.0568	2.7440	-0.0029505	90.062	*	0.55800	-26.16760	-7.26300	96.40000	0.0	2.8370
-1.0765	2.8370	-0.0030505	90.062	*	0.65100	-26.16770	-7.17000	96.40000	0.0	2.9300
-1.0968	2.9300	-0.0031505	90.062	*	0.74400	-26.16780	-7.07700	96.40000	0.0	3.0230



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Stage: δz Ref.	Stage: δH// Name	Disp. δH Ref. perp. Line:	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
-1.1176	3.0230	-0.0032505	90.062	*						
					0.83700	-26.16790	-6.98400	96.40000	0.0	3.1160
-1.1390	3.1160	-0.0033505	90.062	*						
					0.93000	-26.16800	-6.89100	96.40000	0.0	3.2090
-1.1610	3.2090	-0.0034505	90.062	*						
		26	No 7 LG - Line 18		0.0	-26.06800	-6.89100	96.40000	0.0	3.2090
-1.1680	0.0032456	3.2090	0.057950	*						
					0.98871	-25.07929	-6.89000	96.40000	0.0	3.2100
-1.2329	0.0032466	3.2100	0.057950	*						
					1.9774	-24.09057	-6.88900	96.40000	0.0	3.2110
-1.2879	0.0032477	3.2110	0.057950	*						
					2.9661	-23.10186	-6.88800	96.40000	0.0	3.2120
-1.3313	0.0032487	3.2120	0.057950	*						
					3.9549	-22.11314	-6.88700	96.40000	0.0	3.2416
-1.3630	0.0032786	3.2416	0.057950	*						
					4.9436	-21.12443	-6.88600	96.40000	-0.65361	4.5876
-1.3854	-0.64897	4.5882	0.057950	*						
					5.9323	-20.13571	-6.88500	96.40000	-1.0136	3.8306
-1.4012	-1.0097	3.8316	0.057950	*						
					6.9210	-19.14700	-6.88400	96.40000	-1.0072	3.2555
-1.4117	-1.0039	3.2565	0.057950	*						
		27	No 7 LG - Line 19		0.0	-19.04700	-6.88400	96.40000	-0.98889	3.2080
-1.4125	3.2080	0.98889	90.000	*						
					0.11840	-19.04700	-6.76560	96.40000	-1.0574	3.3296
-1.4465	3.3296	1.0574	90.000	*						
					0.23680	-19.04700	-6.64720	96.40000	-1.1280	3.4469
-1.4817	3.4469	1.1280	90.000	*						
					0.35520	-19.04700	-6.52880	96.40000	-1.2009	3.5597
-1.5181	3.5597	1.2009	90.000	*						
					0.47360	-19.04700	-6.41040	96.40000	-1.2758	3.6679
-1.5558	3.6679	1.2758	90.000	*						
					0.59200	-19.04700	-6.29200	96.40000	-1.3530	3.7714
-1.5949	3.7714	1.3530	90.000	*						
					0.71040	-19.04700	-6.17360	96.40000	-1.4322	3.8701
-1.6355	3.8701	1.4322	90.000	*						
					0.82880	-19.04700	-6.05520	96.40000	-1.5135	3.9640
-1.6776	3.9640	1.5135	90.000	*						
					0.94720	-19.04700	-5.93680	96.40000	-1.5967	4.0530
-1.7213	4.0530	1.5967	90.000	*						
					1.0656	-19.04700	-5.81840	96.40000	-1.6818	4.1372
-1.7669	4.1372	1.6818	90.000	*						
					1.1840	-19.04700	-5.70000	96.40000	-1.7685	4.2164
-1.8142	4.2164	1.7685	90.000	*						
		28	No 7 LG - Line 20		0.0	-19.14700	-5.70000	96.40000	-1.8064	4.2622
-1.8135	1.8064	-4.2622	180.00	*						
					0.18430	-19.33130	-5.70000	96.40000	-1.8674	4.3539
-1.8120	1.8674	-4.3539	180.00	*						
					0.36860	-19.51560	-5.70000	96.40000	-1.9157	4.4559
-1.8103	1.9157	-4.4559	180.00	*						
					0.55290	-19.69990	-5.70000	96.40000	-1.9493	4.5697
-1.8086	1.9493	-4.5697	180.00	*						
					0.73720	-19.88420	-5.70000	96.40000	-1.9662	4.6968
-1.8067	1.9662	-4.6968	180.00	*						
					0.92150	-20.06850	-5.70000	96.40000	-1.9641	4.8389
-1.8047	1.9641	-4.8389	180.00	*						
					1.1058	-20.25280	-5.70000	96.40000	-1.9402	4.9980
-1.8027	1.9402	-4.9980	180.00	*						
					1.2901	-20.43710	-5.70000	96.40000	-1.8915	5.1760
-1.8005	1.8915	-5.1760	180.00	*						
					1.4744	-20.62140	-5.70000	96.40000	-1.8261	5.3876
-1.7942	1.8261	-5.3876	180.00	*						
					1.6587	-20.80570	-5.70000	96.40000	-1.7347	5.6336
-1.7862	1.7347	-5.6336	180.00	*						
					1.8430	-20.99000	-5.70000	96.40000	-1.6038	5.9057
-1.7785	1.6038	-5.9057	180.00	*						
		29	No 7 LG - Line 21		0.0	-21.09000	-5.70000	96.40000	-1.5153	6.0645
-1.7741	6.0645	1.5153	90.000	*						
					0.13430	-21.09000	-5.56570	96.40000	-1.6811	6.1785
-1.8236	6.1785	1.6811	90.000	*						
					0.26860	-21.09000	-5.43140	96.40000	-1.8682	6.2668
-1.8735	6.2668	1.8682	90.000	*						
					0.40290	-21.09000	-5.29710	96.40000	-2.0799	6.3251
-1.9237	6.3251	2.0799	90.000	*						
					0.53720	-21.09000	-5.16280	96.40000	-2.3198	6.3777
-1.9696	6.3777	2.3198	90.000	*						
					0.67150	-21.09000	-5.02850	96.40000	-2.5920	6.4058
-2.0153	6.4058	2.5920	90.000	*						



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy	
-2.0626	6.3884	2.9002	90.000	*	0.80580	-21.09000	-4.89420	96.40000	-2.9002	6.3884	
-2.1108	6.3205	3.2471	90.000	*	0.94010	-21.09000	-4.75990	96.40000	-3.2471	6.3205	
-2.1602	6.1989	3.6337	90.000	*	1.0744	-21.09000	-4.62560	96.40000	-3.6337	6.1989	
-2.2114	6.0237	4.0573	90.000	*	1.2087	-21.09000	-4.49130	96.40000	-4.0573	6.0237	
-2.2653	5.7999	4.5101	90.000	*	1.3430	-21.09000	-4.35700	96.40000	-4.5101	5.7999	
-0.014506	0.0	30 No 7 LG - Line 22	0.0	177.13	*	0.0	-24.32700	-30.49200	96.40000	0.0	0.0
-0.013675	0.0	0.0	0.0	177.13	*	0.95720	-25.28300	-30.44414	96.40000	0.0	0.0
-0.012711	0.0	0.0	0.0	177.13	*	1.9144	-26.23900	-30.39629	96.40000	0.0	0.0
-0.011624	0.0	0.0	0.0	177.13	*	2.8716	-27.19500	-30.34843	96.40000	0.0	0.0
-0.010421	0.0	0.0	0.0	177.13	*	3.8288	-28.15100	-30.30057	96.40000	0.0	0.0
-0.0091138	0.0	0.0	0.0	177.13	*	4.7860	-29.10700	-30.25271	96.40000	0.0	0.0
-0.0077127	0.0	0.0	0.0	177.13	*	5.7432	-30.06300	-30.20486	96.40000	0.0	0.0
-0.0062292	0.0	31 No 7 LG - Line 23	0.0	177.13	*	0.0	-31.11900	-30.15700	96.40000	0.0	0.0
-0.0060430	0.0	0.0	0.0	89.957	*	0.98917	-31.11825	-29.16783	96.40000	0.0	0.0
-0.011615	0.0	0.0	0.0	89.957	*	1.9783	-31.11750	-28.17867	96.40000	0.0	0.0
-0.017846	0.0	0.0	0.0	89.957	*	2.9675	-31.11675	-27.18950	96.40000	0.0	0.0
-0.024809	0.0	0.0	0.0	89.957	*	3.9567	-31.11600	-26.20033	96.40000	0.0	0.0
-0.032590	0.0	0.0	0.0	89.957	*	4.9458	-31.11525	-25.21117	96.40000	0.0	0.0
-0.041287	0.0	0.0	0.0	89.957	*	5.9350	-31.11450	-24.22200	96.40000	0.0	0.0
-0.051009	0.0	0.0	0.0	89.957	*	6.9242	-31.11375	-23.23283	96.40000	0.0	0.0
-0.061884	0.0	0.0	0.0	89.957	*	7.9133	-31.11300	-22.24367	96.40000	0.0	0.0
-0.074058	0.0	0.0	0.0	89.957	*	8.9025	-31.11225	-21.25450	96.40000	0.0	0.0
-0.087701	0.0	0.0	0.0	89.957	*	9.8917	-31.11150	-20.26533	96.40000	0.0	0.0
-0.10301	0.0	0.0	0.0	89.957	*	10.881	-31.11075	-19.27617	96.40000	0.0	0.0
-0.12022	0.0	0.0	0.0	89.957	*	11.870	-31.11000	-18.28700	96.40000	0.0	0.0
-0.13961	0.0	0.0	0.0	89.957	*	12.859	-31.10925	-17.29783	96.40000	0.0	0.0
-0.16150	0.0	0.0	0.0	89.957	*	13.848	-31.10850	-16.30867	96.40000	0.0	0.0
-0.18630	0.0	0.0	0.0	89.957	*	14.838	-31.10775	-15.31950	96.40000	0.0	0.0
-0.21449	0.0	0.0	0.0	89.957	*	15.827	-31.10700	-14.33033	96.40000	0.0	0.0
-0.24666	0.0	0.0	0.0	89.957	*	16.816	-31.10625	-13.34117	96.40000	0.0	0.0
-0.28358	0.0	0.0	0.0	89.957	*	17.805	-31.10550	-12.35200	96.40000	0.0	0.0
-0.32621	0.0	0.0	0.0	89.957	*	18.794	-31.10475	-11.36283	96.40000	0.0	0.0
-0.37582	0.0	0.0	0.0	89.957	*	19.783	-31.10400	-10.37367	96.40000	0.0	0.0
-0.43412	0.0	0.0	0.0	89.957	*	20.773	-31.10325	-9.38450	96.40000	0.0	0.71550
-0.50356	0.71550	542.50E-6	89.957	*	21.762	-31.10250	-8.39533	96.40000	0.0	1.7047	
-0.58774	1.7047	0.0012925	89.957	*	22.751	-31.10175	-7.40617	96.40000	0.0	2.6938	
-0.69258	2.6938	0.0020425	89.957	*	23.740	-31.10100	-6.41700	96.40000	0.0	3.6830	
-0.82893	3.6830	0.0027925	89.957	*	0.0	-31.00100	-6.41700	96.40000	0.0	3.6830	
		32 No 7 LG - Line 24									



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Stage 2 - Bulk Excavation

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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
-0.83925	0.22052	3.6764	3.4327	*						
					0.96533	-30.03740	-6.35920	96.40000	0.0	3.7408
-0.94793	0.22398	3.7341	3.4327	*						
					1.9307	-29.07380	-6.30140	96.40000	0.0	3.8148
-1.0521	0.22841	3.8080	3.4327	*						
					2.8960	-28.11020	-6.24360	96.40000	0.0	3.8919
-1.1547	0.23303	3.8849	3.4327	*						
					3.8613	-27.14660	-6.18580	96.40000	0.0	3.9689
-1.2565	0.23764	3.9618	3.4327	*						
					4.8267	-26.18300	-6.12800	96.40000	0.0	4.0460
-1.3572	0.24226	4.0387	3.4327	*						
		33	No 7 LG - Line 25		0.0	-26.08300	-6.12800	96.40000	0.0	4.0460
-1.3659	0.35257	4.0306	4.9990	*						
					0.98234	-25.10440	-6.04240	96.40000	0.0	4.1601
-1.4709	0.36251	4.1443	4.9990	*						
					1.9647	-24.12580	-5.95680	96.40000	0.0	4.2743
-1.5664	0.37246	4.2580	4.9990	*						
					2.9470	-23.14720	-5.87120	96.40000	0.0	4.3884
-1.6452	0.38240	4.3717	4.9990	*						
					3.9293	-22.16860	-5.78560	96.40000	0.0	4.5232
-1.7038	0.39415	4.5060	4.9990	*						
					4.9117	-21.19000	-5.70000	96.40000	-1.4142	6.2309
-1.7695	-0.86588	6.3305	4.9990	*						
		34	Thames Water Asset		0.0	2.00000	-40.00000	98.75000	0.0	0.0
0.028132	0.0	0.0	90.000	*						
					1.0000	2.00000	-39.00000	98.75000	0.0	0.0
0.026919	0.0	0.0	90.000	*						
					2.0000	2.00000	-38.00000	98.75000	0.0	0.0
0.025526	0.0	0.0	90.000	*						
					3.0000	2.00000	-37.00000	98.75000	0.0	0.0
0.023936	0.0	0.0	90.000	*						
					4.0000	2.00000	-36.00000	98.75000	0.0	0.0
0.022131	0.0	0.0	90.000	*						
					5.0000	2.00000	-35.00000	98.75000	0.0	0.0
0.020092	0.0	0.0	90.000	*						
					6.0000	2.00000	-34.00000	98.75000	0.0	0.0
0.017794	0.0	0.0	90.000	*						
					7.0000	2.00000	-33.00000	98.75000	0.0	0.0
0.015216	0.0	0.0	90.000	*						
					8.0000	2.00000	-32.00000	98.75000	0.0	0.0
0.012330	0.0	0.0	90.000	*						
					9.0000	2.00000	-31.00000	98.75000	0.0	0.0
0.0091073	0.0	0.0	90.000	*						
					10.000	2.00000	-30.00000	98.75000	0.0	0.0
0.0055174	0.0	0.0	90.000	*						
					11.000	2.00000	-29.00000	98.75000	0.0	0.0
0.0015259	0.0	0.0	90.000	*						
					12.000	2.00000	-28.00000	98.75000	0.0	0.0
-0.0029045	0.0	0.0	90.000	*						
					13.000	2.00000	-27.00000	98.75000	0.0	0.0
-0.0078146	0.0	0.0	90.000	*						
					14.000	2.00000	-26.00000	98.75000	0.0	0.0
-0.013249	0.0	0.0	90.000	*						
					15.000	2.00000	-25.00000	98.75000	0.0	0.0
-0.019255	0.0	0.0	90.000	*						
					16.000	2.00000	-24.00000	98.75000	0.0	0.0
-0.025888	0.0	0.0	90.000	*						
					17.000	2.00000	-23.00000	98.75000	0.0	0.0
-0.033203	0.0	0.0	90.000	*						
					18.000	2.00000	-22.00000	98.75000	0.0	0.0
-0.041265	0.0	0.0	90.000	*						
					19.000	2.00000	-21.00000	98.75000	0.0	0.0
-0.050142	0.0	0.0	90.000	*						
					20.000	2.00000	-20.00000	98.75000	0.0	0.0
-0.059906	0.0	0.0	90.000	*						
					21.000	2.00000	-19.00000	98.75000	0.0	0.0
-0.070639	0.0	0.0	90.000	*						
					22.000	2.00000	-18.00000	98.75000	0.0	0.0
-0.082425	0.0	0.0	90.000	*						
					23.000	2.00000	-17.00000	98.75000	0.0	0.0
-0.095355	0.0	0.0	90.000	*						
					24.000	2.00000	-16.00000	98.75000	0.0	0.0
-0.10952	0.0	0.0	90.000	*						
					25.000	2.00000	-15.00000	98.75000	-0.12621	0.14118
-0.12503	0.14118	0.12621	90.000	*						
					26.000	2.00000	-14.00000	98.75000	-0.31832	0.32402
-0.14196	0.32402	0.31832	90.000	*						



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
-0.16041	0.48533	0.52760	90.000	*	27.000	2.00000	-13.00000	98.75000	-0.52760	0.48533
-0.18046	0.62257	0.75467	90.000	*	28.000	2.00000	-12.00000	98.75000	-0.75467	0.62257
-0.20216	0.75169	0.96645	90.000	*	29.000	2.00000	-11.00000	98.75000	-0.96645	0.75169
-0.22552	0.89303	1.1482	90.000	*	30.000	2.00000	-10.00000	98.75000	-1.1482	0.89303
-0.25050	1.0344	1.3299	90.000	*	31.000	2.00000	-9.00000	98.75000	-1.3299	1.0344
-0.27695	1.1757	1.5116	90.000	*	32.000	2.00000	-8.00000	98.75000	-1.5116	1.1757
-0.30461	1.2907	1.7029	90.000	*	33.000	2.00000	-7.00000	98.75000	-1.7029	1.2907
-0.33308	1.2193	1.9460	90.000	*	34.000	2.00000	-6.00000	98.75000	-1.9460	1.2193
-0.36176	1.0709	2.1861	90.000	*	35.000	2.00000	-5.00000	98.75000	-2.1861	1.0709
-0.38986	0.84746	2.4167	90.000	*	36.000	2.00000	-4.00000	98.75000	-2.4167	0.84746
-0.41640	0.55859	2.6284	90.000	*	37.000	2.00000	-3.00000	98.75000	-2.6284	0.55859
-0.44027	0.22355	2.8093	90.000	*	38.000	2.00000	-2.00000	98.75000	-2.8093	0.22355
-0.46034	0.15041	2.8578	90.000	*	39.000	2.00000	-1.00000	98.75000	-2.8578	0.15041
-0.47555	0.15144	2.8774	90.000	*	40.000	2.00000	0.00000	98.75000	-2.8774	0.15144
-0.48500	0.15248	2.8971	90.000	*	41.000	2.00000	1.00000	98.75000	-2.8971	0.15248
-0.48812	0.15352	2.9168	90.000	*	42.000	2.00000	2.00000	98.75000	-2.9168	0.15352
-0.48465	0.15455	2.9365	90.000	*	43.000	2.00000	3.00000	98.75000	-2.9365	0.15455
-0.47472	0.15559	2.9562	90.000	*	44.000	2.00000	4.00000	98.75000	-2.9562	0.15559
-0.45884	0.15662	2.9759	90.000	*	45.000	2.00000	5.00000	98.75000	-2.9759	0.15662
-0.43788	0.11092	2.9505	90.000	*	46.000	2.00000	6.00000	98.75000	-2.9505	0.11092
-0.41301	-0.16500	2.6735	90.000	*	47.000	2.00000	7.00000	98.75000	-2.6735	-0.16500
-0.38547	-0.42181	2.3650	90.000	*	48.000	2.00000	8.00000	98.75000	-2.3650	-0.42181
-0.35649	-0.63858	2.0486	90.000	*	49.000	2.00000	9.00000	98.75000	-2.0486	-0.63858
-0.32713	-0.80200	1.7421	90.000	*	50.000	2.00000	10.00000	98.75000	-1.7421	-0.80200
-0.29821	-0.90666	1.4568	90.000	*	51.000	2.00000	11.00000	98.75000	-1.4568	-0.90666
-0.27031	-0.95324	1.1981	90.000	*	52.000	2.00000	12.00000	98.75000	-1.1981	-0.95324
-0.24382	-0.94606	0.96705	90.000	*	53.000	2.00000	13.00000	98.75000	-0.96705	-0.94606
-0.21894	-0.89111	0.76253	90.000	*	54.000	2.00000	14.00000	98.75000	-0.76253	-0.89111
-0.19578	-0.79472	0.58213	90.000	*	55.000	2.00000	15.00000	98.75000	-0.58213	-0.79472
-0.17434	-0.66288	0.42305	90.000	*	56.000	2.00000	16.00000	98.75000	-0.42305	-0.66288
-0.15459	-0.50090	0.28255	90.000	*	57.000	2.00000	17.00000	98.75000	-0.28255	-0.50090
-0.13645	-0.31335	0.15809	90.000	*	58.000	2.00000	18.00000	98.75000	-0.15809	-0.31335
-0.11985	-0.10411	0.047442	90.000	*	59.000	2.00000	19.00000	98.75000	-0.047442	-0.10411
-0.10467	0.0	0.0	90.000	*	60.000	2.00000	20.00000	98.75000	0.0	0.0
-0.090819	0.0	0.0	90.000	*	61.000	2.00000	21.00000	98.75000	0.0	0.0
-0.078197	0.0	0.0	90.000	*	62.000	2.00000	22.00000	98.75000	0.0	0.0
-0.066708	0.0	0.0	90.000	*	63.000	2.00000	23.00000	98.75000	0.0	0.0
-0.056258	0.0	0.0	90.000	*	64.000	2.00000	24.00000	98.75000	0.0	0.0
				*	65.000	2.00000	25.00000	98.75000	0.0	0.0



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy	
-0.046763		0.0	0.0	90.000	*	66.000	2.00000	26.00000	98.75000	0.0	0.0
-0.038143		0.0	0.0	90.000	*	67.000	2.00000	27.00000	98.75000	0.0	0.0
-0.030323		0.0	0.0	90.000	*	68.000	2.00000	28.00000	98.75000	0.0	0.0
-0.023236		0.0	0.0	90.000	*	69.000	2.00000	29.00000	98.75000	0.0	0.0
-0.016820		0.0	0.0	90.000	*	70.000	2.00000	30.00000	98.75000	0.0	0.0
-0.011017		0.0	0.0	90.000	*	0.0	-1.00000	-40.00000	99.25000	0.0	0.0
0.026772		0.0	0.0	90.000	*	1.0000	-1.00000	-39.00000	99.25000	0.0	0.0
0.025314		0.0	0.0	90.000	*	2.0000	-1.00000	-38.00000	99.25000	0.0	0.0
0.023645		0.0	0.0	90.000	*	3.0000	-1.00000	-37.00000	99.25000	0.0	0.0
0.021742		0.0	0.0	90.000	*	4.0000	-1.00000	-36.00000	99.25000	0.0	0.0
0.019583		0.0	0.0	90.000	*	5.0000	-1.00000	-35.00000	99.25000	0.0	0.0
0.017143		0.0	0.0	90.000	*	6.0000	-1.00000	-34.00000	99.25000	0.0	0.0
0.014391		0.0	0.0	90.000	*	7.0000	-1.00000	-33.00000	99.25000	0.0	0.0
0.011299		0.0	0.0	90.000	*	8.0000	-1.00000	-32.00000	99.25000	0.0	0.0
0.0078293		0.0	0.0	90.000	*	9.0000	-1.00000	-31.00000	99.25000	0.0	0.0
0.0039454		0.0	0.0	90.000	*	10.000	-1.00000	-30.00000	99.25000	0.0	0.0
-395.45E-6		0.0	0.0	90.000	*	11.000	-1.00000	-29.00000	99.25000	0.0	0.0
-0.0052404		0.0	0.0	90.000	*	12.000	-1.00000	-28.00000	99.25000	0.0	0.0
-0.010642		0.0	0.0	90.000	*	13.000	-1.00000	-27.00000	99.25000	0.0	0.0
-0.016658		0.0	0.0	90.000	*	14.000	-1.00000	-26.00000	99.25000	0.0	0.0
-0.023353		0.0	0.0	90.000	*	15.000	-1.00000	-25.00000	99.25000	0.0	0.0
-0.030801		0.0	0.0	90.000	*	16.000	-1.00000	-24.00000	99.25000	0.0	0.0
-0.039083		0.0	0.0	90.000	*	17.000	-1.00000	-23.00000	99.25000	0.0	0.0
-0.048290		0.0	0.0	90.000	*	18.000	-1.00000	-22.00000	99.25000	0.0	0.0
-0.058525		0.0	0.0	90.000	*	19.000	-1.00000	-21.00000	99.25000	0.0	0.0
-0.069904		0.0	0.0	90.000	*	20.000	-1.00000	-20.00000	99.25000	0.0	0.0
-0.082559		0.0	0.0	90.000	*	21.000	-1.00000	-19.00000	99.25000	0.0	0.0
-0.096639		0.0	0.0	90.000	*	22.000	-1.00000	-18.00000	99.25000	0.0	0.0
-0.11231		0.0	0.0	90.000	*	23.000	-1.00000	-17.00000	99.25000	-0.084275	0.16688
-0.12977	0.16688	0.084275	90.000	*	24.000	-1.00000	-16.00000	99.25000	-0.23432	0.42559	
-0.14923	0.42559	0.23432	90.000	*	25.000	-1.00000	-15.00000	99.25000	-0.40399	0.66831	
-0.17094	0.66831	0.40399	90.000	*	26.000	-1.00000	-14.00000	99.25000	-0.59675	0.89196	
-0.19519	0.89196	0.59675	90.000	*	27.000	-1.00000	-13.00000	99.25000	-0.81669	1.0927	
-0.22228	1.0927	0.81669	90.000	*	28.000	-1.00000	-12.00000	99.25000	-1.0685	1.2661	
-0.25258	1.2661	1.0685	90.000	*	29.000	-1.00000	-11.00000	99.25000	-1.3571	1.4064	
-0.28647	1.4064	1.3571	90.000	*	30.000	-1.00000	-10.00000	99.25000	-1.6878	1.5076	
-0.32434	1.5076	1.6878	90.000	*	31.000	-1.00000	-9.00000	99.25000	-2.0309	1.5796	
-0.36660	1.5796	2.0309	90.000	*	32.000	-1.00000	-8.00000	99.25000	-2.2126	1.7209	
-0.41357	1.7209	2.2126	90.000	*							



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
-0.46539	1.8623	2.3943	90.000	*	33.000	-1.00000	-7.00000	99.25000	-2.3943	1.8623
-0.52192	2.0036	2.5761	90.000	*	34.000	-1.00000	-6.00000	99.25000	-2.5761	2.0036
-0.58245	2.1450	2.7578	90.000	*	35.000	-1.00000	-5.00000	99.25000	-2.7578	2.1450
-0.61935	1.9262	3.2325	90.000	*	36.000	-1.00000	-4.00000	99.25000	-3.2325	1.9262
-0.66003	1.3632	3.7517	90.000	*	37.000	-1.00000	-3.00000	99.25000	-3.7517	1.3632
-0.70249	0.56210	4.2243	90.000	*	38.000	-1.00000	-2.00000	99.25000	-4.2243	0.56210
-0.74879	0.23139	4.3964	90.000	*	39.000	-1.00000	-1.00000	99.25000	-4.3964	0.23139
-0.78460	0.23335	4.4336	90.000	*	40.000	-1.00000	0.00000	99.25000	-4.4336	0.23335
-0.80567	0.23531	4.4708	90.000	*	41.000	-1.00000	1.00000	99.25000	-4.4708	0.23531
-0.81012	0.23726	4.5080	90.000	*	42.000	-1.00000	2.00000	99.25000	-4.5080	0.23726
-0.79695	0.23922	4.5452	90.000	*	43.000	-1.00000	3.00000	99.25000	-4.5452	0.23922
-0.76599	0.24118	4.5823	90.000	*	44.000	-1.00000	4.00000	99.25000	-4.5823	0.24118
-0.71831	0.24313	4.6195	90.000	*	45.000	-1.00000	5.00000	99.25000	-4.6195	0.24313
-0.65687	0.23715	4.6492	90.000	*	46.000	-1.00000	6.00000	99.25000	-4.6492	0.23715
-0.60253	-0.50495	3.8952	90.000	*	47.000	-1.00000	7.00000	99.25000	-3.8952	-0.50495
-0.56691	-1.1233	3.1021	90.000	*	48.000	-1.00000	8.00000	99.25000	-3.1021	-1.1233
-0.53402	-1.5257	2.3868	90.000	*	49.000	-1.00000	9.00000	99.25000	-2.3868	-1.5257
-0.50250	-1.7031	1.7920	90.000	*	50.000	-1.00000	10.00000	99.25000	-1.7920	-1.7031
-0.45208	-1.8036	1.4026	90.000	*	51.000	-1.00000	11.00000	99.25000	-1.4026	-1.8036
-0.40047	-1.8152	1.1078	90.000	*	52.000	-1.00000	12.00000	99.25000	-1.1078	-1.8152
-0.35413	-1.7472	0.87219	90.000	*	53.000	-1.00000	13.00000	99.25000	-0.87219	-1.7472
-0.31268	-1.6196	0.68144	90.000	*	54.000	-1.00000	14.00000	99.25000	-0.68144	-1.6196
-0.27567	-1.4468	0.52490	90.000	*	55.000	-1.00000	15.00000	99.25000	-0.52490	-1.4468
-0.24263	-1.2397	0.39468	90.000	*	56.000	-1.00000	16.00000	99.25000	-0.39468	-1.2397
-0.21314	-1.0058	0.28500	90.000	*	57.000	-1.00000	17.00000	99.25000	-0.28500	-1.0058
-0.18680	-0.75080	0.19153	90.000	*	58.000	-1.00000	18.00000	99.25000	-0.19153	-0.75080
-0.16324	-0.47902	0.11106	90.000	*	59.000	-1.00000	19.00000	99.25000	-0.11106	-0.47902
-0.14216	-0.19364	0.041130	90.000	*	60.000	-1.00000	20.00000	99.25000	-0.041130	-0.19364
-0.12328	0.0	0.0	90.000	*	61.000	-1.00000	21.00000	99.25000	0.0	0.0
-0.10636	0.0	0.0	90.000	*	62.000	-1.00000	22.00000	99.25000	0.0	0.0
-0.091177	0.0	0.0	90.000	*	63.000	-1.00000	23.00000	99.25000	0.0	0.0
-0.077549	0.0	0.0	90.000	*	64.000	-1.00000	24.00000	99.25000	0.0	0.0
-0.065311	0.0	0.0	90.000	*	65.000	-1.00000	25.00000	99.25000	0.0	0.0
-0.054317	0.0	0.0	90.000	*	66.000	-1.00000	26.00000	99.25000	0.0	0.0
-0.044439	0.0	0.0	90.000	*	67.000	-1.00000	27.00000	99.25000	0.0	0.0
-0.035562	0.0	0.0	90.000	*	68.000	-1.00000	28.00000	99.25000	0.0	0.0
-0.027587	0.0	0.0	90.000	*	69.000	-1.00000	29.00000	99.25000	0.0	0.0
-0.020423	0.0	0.0	90.000	*	70.000	-1.00000	30.00000	99.25000	0.0	0.0
	36		Cadent Gas Asset		0.0	0.00000	-40.00000	98.75000	0.0	0.0



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
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Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy	
0.027239		0.0	0.0	90.000	*						
						1.0000	0.00000	-39.00000	98.75000	0.0	0.0
0.025863		0.0	0.0	90.000	*						
						2.0000	0.00000	-38.00000	98.75000	0.0	0.0
0.024286		0.0	0.0	90.000	*						
						3.0000	0.00000	-37.00000	98.75000	0.0	0.0
0.022488		0.0	0.0	90.000	*						
						4.0000	0.00000	-36.00000	98.75000	0.0	0.0
0.020448		0.0	0.0	90.000	*						
						5.0000	0.00000	-35.00000	98.75000	0.0	0.0
0.018142		0.0	0.0	90.000	*						
						6.0000	0.00000	-34.00000	98.75000	0.0	0.0
0.015544		0.0	0.0	90.000	*						
						7.0000	0.00000	-33.00000	98.75000	0.0	0.0
0.012624		0.0	0.0	90.000	*						
						8.0000	0.00000	-32.00000	98.75000	0.0	0.0
0.0093517		0.0	0.0	90.000	*						
						9.0000	0.00000	-31.00000	98.75000	0.0	0.0
0.0056914		0.0	0.0	90.000	*						
						10.000	0.00000	-30.00000	98.75000	0.0	0.0
0.0016048		0.0	0.0	90.000	*						
						11.000	0.00000	-29.00000	98.75000	0.0	0.0
-0.0029507		0.0	0.0	90.000	*						
						12.000	0.00000	-28.00000	98.75000	0.0	0.0
-0.0080221		0.0	0.0	90.000	*						
						13.000	0.00000	-27.00000	98.75000	0.0	0.0
-0.013661		0.0	0.0	90.000	*						
						14.000	0.00000	-26.00000	98.75000	0.0	0.0
-0.019926		0.0	0.0	90.000	*						
						15.000	0.00000	-25.00000	98.75000	0.0	0.0
-0.026881		0.0	0.0	90.000	*						
						16.000	0.00000	-24.00000	98.75000	0.0	0.0
-0.034596		0.0	0.0	90.000	*						
						17.000	0.00000	-23.00000	98.75000	0.0	0.0
-0.043152		0.0	0.0	90.000	*						
						18.000	0.00000	-22.00000	98.75000	0.0	0.0
-0.052636		0.0	0.0	90.000	*						
						19.000	0.00000	-21.00000	98.75000	0.0	0.0
-0.063147		0.0	0.0	90.000	*						
						20.000	0.00000	-20.00000	98.75000	0.0	0.0
-0.074794		0.0	0.0	90.000	*						
						21.000	0.00000	-19.00000	98.75000	0.0	0.0
-0.087702		0.0	0.0	90.000	*						
						22.000	0.00000	-18.00000	98.75000	0.0	0.0
-0.10201		0.0	0.0	90.000	*						
						23.000	0.00000	-17.00000	98.75000	-0.013400	0.022773
-0.11786	0.022773	0.013400	90.000	*							
						24.000	0.00000	-16.00000	98.75000	-0.17085	0.26659
-0.13543	0.26659	0.17085	90.000	*							
						25.000	0.00000	-15.00000	98.75000	-0.34688	0.49371
-0.15491	0.49371	0.34688	90.000	*							
						26.000	0.00000	-14.00000	98.75000	-0.54422	0.70128
-0.17650	0.70128	0.54422	90.000	*							
						27.000	0.00000	-13.00000	98.75000	-0.76582	0.88593
-0.20042	0.88593	0.76582	90.000	*							
						28.000	0.00000	-12.00000	98.75000	-1.0148	1.0438
-0.22691	1.0438	1.0148	90.000	*							
						29.000	0.00000	-11.00000	98.75000	-1.2940	1.1704
-0.25620	1.1704	1.2940	90.000	*							
						30.000	0.00000	-10.00000	98.75000	-1.6057	1.2612
-0.28849	1.2612	1.6057	90.000	*							
						31.000	0.00000	-9.00000	98.75000	-1.7972	1.3978
-0.32397	1.3978	1.7972	90.000	*							
						32.000	0.00000	-8.00000	98.75000	-1.9790	1.5392
-0.36270	1.5392	1.9790	90.000	*							
						33.000	0.00000	-7.00000	98.75000	-2.1607	1.6805
-0.40457	1.6805	2.1607	90.000	*							
						34.000	0.00000	-6.00000	98.75000	-2.3424	1.8219
-0.44921	1.8219	2.3424	90.000	*							
						35.000	0.00000	-5.00000	98.75000	-2.5992	1.7442
-0.49586	1.7442	2.5992	90.000	*							
						36.000	0.00000	-4.00000	98.75000	-2.9127	1.4120
-0.54323	1.4120	2.9127	90.000	*							
						37.000	0.00000	-3.00000	98.75000	-3.2236	0.94784
-0.58952	0.94784	3.2236	90.000	*							
						38.000	0.00000	-2.00000	98.75000	-3.5735	0.38756
-0.62141	0.38756	3.5735	90.000	*							



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
-0.65527	0.19421	3.6901	90.000	*	39.000	0.00000	-1.00000	98.75000	-3.6901	0.19421
-0.68127	0.19617	3.7272	90.000	*	40.000	0.00000	0.00000	98.75000	-3.7272	0.19617
-0.69697	0.19813	3.7644	90.000	*	41.000	0.00000	1.00000	98.75000	-3.7644	0.19813
-0.70101	0.20008	3.8016	90.000	*	42.000	0.00000	2.00000	98.75000	-3.8016	0.20008
-0.69274	0.20204	3.8388	90.000	*	43.000	0.00000	3.00000	98.75000	-3.8388	0.20204
-0.67221	0.20400	3.8760	90.000	*	44.000	0.00000	4.00000	98.75000	-3.8760	0.20400
-0.64040	0.20595	3.9131	90.000	*	45.000	0.00000	5.00000	98.75000	-3.9131	0.20595
-0.59926	0.17557	3.9194	90.000	*	46.000	0.00000	6.00000	98.75000	-3.9194	0.17557
-0.55690	-0.33029	3.3994	90.000	*	47.000	0.00000	7.00000	98.75000	-3.3994	-0.33029
-0.51987	-0.76803	2.8157	90.000	*	48.000	0.00000	8.00000	98.75000	-2.8157	-0.76803
-0.48743	-1.0863	2.2672	90.000	*	49.000	0.00000	9.00000	98.75000	-2.2672	-1.0863
-0.43959	-1.3174	1.8524	90.000	*	50.000	0.00000	10.00000	98.75000	-1.8524	-1.3174
-0.39437	-1.4450	1.4999	90.000	*	51.000	0.00000	11.00000	98.75000	-1.4999	-1.4450
-0.35242	-1.4833	1.2050	90.000	*	52.000	0.00000	12.00000	98.75000	-1.2050	-1.4833
-0.31394	-1.4486	0.95939	90.000	*	53.000	0.00000	13.00000	98.75000	-0.95939	-1.4486
-0.27890	-1.3558	0.75414	90.000	*	54.000	0.00000	14.00000	98.75000	-0.75414	-1.3558
-0.24715	-1.2166	0.58150	90.000	*	55.000	0.00000	15.00000	98.75000	-0.58150	-1.2166
-0.21845	-1.0407	0.43512	90.000	*	56.000	0.00000	16.00000	98.75000	-0.43512	-1.0407
-0.19255	-0.83535	0.30993	90.000	*	57.000	0.00000	17.00000	98.75000	-0.30993	-0.83535
-0.16920	-0.60628	0.20196	90.000	*	58.000	0.00000	18.00000	98.75000	-0.20196	-0.60628
-0.14815	-0.35787	0.10808	90.000	*	59.000	0.00000	19.00000	98.75000	-0.10808	-0.35787
-0.12919	-0.093572	0.025830	90.000	*	60.000	0.00000	20.00000	98.75000	-0.025830	-0.093572
-0.11209	0.0	0.0	90.000	*	61.000	0.00000	21.00000	98.75000	0.0	0.0
-0.096686	0.0	0.0	90.000	*	62.000	0.00000	22.00000	98.75000	0.0	0.0
-0.082798	0.0	0.0	90.000	*	63.000	0.00000	23.00000	98.75000	0.0	0.0
-0.070279	0.0	0.0	90.000	*	64.000	0.00000	24.00000	98.75000	0.0	0.0
-0.058993	0.0	0.0	90.000	*	65.000	0.00000	25.00000	98.75000	0.0	0.0
-0.048819	0.0	0.0	90.000	*	66.000	0.00000	26.00000	98.75000	0.0	0.0
-0.039650	0.0	0.0	90.000	*	67.000	0.00000	27.00000	98.75000	0.0	0.0
-0.031387	0.0	0.0	90.000	*	68.000	0.00000	28.00000	98.75000	0.0	0.0
-0.023945	0.0	0.0	90.000	*	69.000	0.00000	29.00000	98.75000	0.0	0.0
-0.017245	0.0	0.0	90.000	*	70.000	0.00000	30.00000	98.75000	0.0	0.0
0.026341	0.0	0.0	90.000	*	0.0	-2.00000	-40.00000	98.75000	0.0	0.0
0.024804	0.0	0.0	90.000	*	1.0000	-2.00000	-39.00000	98.75000	0.0	0.0
0.023045	0.0	0.0	90.000	*	2.0000	-2.00000	-38.00000	98.75000	0.0	0.0
0.021041	0.0	0.0	90.000	*	3.0000	-2.00000	-37.00000	98.75000	0.0	0.0
0.018768	0.0	0.0	90.000	*	4.0000	-2.00000	-36.00000	98.75000	0.0	0.0
0.016196	0.0	0.0	90.000	*	5.0000	-2.00000	-35.00000	98.75000	0.0	0.0
				*	6.0000	-2.00000	-34.00000	98.75000	0.0	0.0



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy	
0.013296		0.0	0.0	90.000	*	7.0000	-2.00000	-33.00000	98.75000	0.0	0.0
0.010035		0.0	0.0	90.000	*	8.0000	-2.00000	-32.00000	98.75000	0.0	0.0
0.0063731		0.0	0.0	90.000	*	9.0000	-2.00000	-31.00000	98.75000	0.0	0.0
0.0022705		0.0	0.0	90.000	*	10.000	-2.00000	-30.00000	98.75000	0.0	0.0
-0.0023199		0.0	0.0	90.000	*	11.000	-2.00000	-29.00000	98.75000	0.0	0.0
-0.0074495		0.0	0.0	90.000	*	12.000	-2.00000	-28.00000	98.75000	0.0	0.0
-0.013176		0.0	0.0	90.000	*	13.000	-2.00000	-27.00000	98.75000	0.0	0.0
-0.019565		0.0	0.0	90.000	*	14.000	-2.00000	-26.00000	98.75000	0.0	0.0
-0.026688		0.0	0.0	90.000	*	15.000	-2.00000	-25.00000	98.75000	0.0	0.0
-0.034627		0.0	0.0	90.000	*	16.000	-2.00000	-24.00000	98.75000	0.0	0.0
-0.043474		0.0	0.0	90.000	*	17.000	-2.00000	-23.00000	98.75000	0.0	0.0
-0.053334		0.0	0.0	90.000	*	18.000	-2.00000	-22.00000	98.75000	0.0	0.0
-0.064325		0.0	0.0	90.000	*	19.000	-2.00000	-21.00000	98.75000	0.0	0.0
-0.076582		0.0	0.0	90.000	*	20.000	-2.00000	-20.00000	98.75000	0.0	0.0
-0.090260		0.0	0.0	90.000	*	21.000	-2.00000	-19.00000	98.75000	0.0	0.0
-0.10553		0.0	0.0	90.000	*	22.000	-2.00000	-18.00000	98.75000	-0.0063039	0.016200
-0.12261	0.016200	0.0063039	90.000	*	23.000	-2.00000	-17.00000	98.75000	-0.12804	0.30354	
-0.14173	0.30354	0.12804	90.000	*	24.000	-2.00000	-16.00000	98.75000	-0.26630	0.57868	
-0.16315	0.57868	0.26630	90.000	*	25.000	-2.00000	-15.00000	98.75000	-0.42437	0.83907	
-0.18721	0.83907	0.42437	90.000	*	26.000	-2.00000	-14.00000	98.75000	-0.60632	1.0815	
-0.21427	1.0815	0.60632	90.000	*	27.000	-2.00000	-13.00000	98.75000	-0.81725	1.3019	
-0.24477	1.3019	0.81725	90.000	*	28.000	-2.00000	-12.00000	98.75000	-1.0634	1.4951	
-0.27922	1.4951	1.0634	90.000	*	29.000	-2.00000	-11.00000	98.75000	-1.3524	1.6546	
-0.31820	1.6546	1.3524	90.000	*	30.000	-2.00000	-10.00000	98.75000	-1.6928	1.7723	
-0.36238	1.7723	1.6928	90.000	*	31.000	-2.00000	-9.00000	98.75000	-2.0939	1.8386	
-0.41252	1.8386	2.0939	90.000	*	32.000	-2.00000	-8.00000	98.75000	-2.4463	1.9026	
-0.46935	1.9026	2.4463	90.000	*	33.000	-2.00000	-7.00000	98.75000	-2.6280	2.0440	
-0.53357	2.0440	2.6280	90.000	*	34.000	-2.00000	-6.00000	98.75000	-2.8405	2.2093	
-0.59846	2.2093	2.8405	90.000	*	35.000	-2.00000	-5.00000	98.75000	-3.1838	2.4763	
-0.64844	2.4763	3.1838	90.000	*	36.000	-2.00000	-4.00000	98.75000	-3.5396	2.7094	
-0.69070	2.7094	3.5396	90.000	*	37.000	-2.00000	-3.00000	98.75000	-4.1872	1.9830	
-0.71212	1.9830	4.1872	90.000	*	38.000	-2.00000	-2.00000	98.75000	-4.8352	0.83500	
-0.74092	0.83500	4.8352	90.000	*	39.000	-2.00000	-1.00000	98.75000	-5.1028	0.26857	
-0.79975	0.26857	5.1028	90.000	*	40.000	-2.00000	0.00000	98.75000	-5.1400	0.27053	
-0.84711	0.27053	5.1400	90.000	*	41.000	-2.00000	1.00000	98.75000	-5.1772	0.27248	
-0.87301	0.27248	5.1772	90.000	*	42.000	-2.00000	2.00000	98.75000	-5.2144	0.27444	
-0.87525	0.27444	5.2144	90.000	*	43.000	-2.00000	3.00000	98.75000	-5.2515	0.27640	
-0.85259	0.27640	5.2515	90.000	*	44.000	-2.00000	4.00000	98.75000	-5.2887	0.27835	
-0.80396	0.27835	5.2887	90.000	*							



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
-0.72962	0.28031	5.3259	90.000	*	45.000	-2.00000	5.00000	98.75000	-5.3259	0.28031
-0.63375	0.28227	5.3631	90.000	*	46.000	-2.00000	6.00000	98.75000	-5.3631	0.28227
-0.56780	-0.79778	4.2722	90.000	*	47.000	-2.00000	7.00000	98.75000	-4.2722	-0.79778
-0.56517	-1.6669	3.1830	90.000	*	48.000	-2.00000	8.00000	98.75000	-3.1830	-1.6669
-0.57058	-2.1516	2.3166	90.000	*	49.000	-2.00000	9.00000	98.75000	-2.3166	-2.1516
-0.54853	-2.3068	1.6734	90.000	*	50.000	-2.00000	10.00000	98.75000	-1.6734	-2.3068
-0.51584	-2.2339	1.2035	90.000	*	51.000	-2.00000	11.00000	98.75000	-1.2035	-2.2339
-0.45253	-2.1932	0.93267	90.000	*	52.000	-2.00000	12.00000	98.75000	-0.93267	-2.1932
-0.39699	-2.0734	0.72533	90.000	*	53.000	-2.00000	13.00000	98.75000	-0.72533	-2.0734
-0.34824	-1.8981	0.56266	90.000	*	54.000	-2.00000	14.00000	98.75000	-0.56266	-1.8981
-0.30537	-1.6830	0.43221	90.000	*	55.000	-2.00000	15.00000	98.75000	-0.43221	-1.6830
-0.26760	-1.4385	0.32558	90.000	*	56.000	-2.00000	16.00000	98.75000	-0.32558	-1.4385
-0.23424	-1.1719	0.23695	90.000	*	57.000	-2.00000	17.00000	98.75000	-0.23695	-1.1719
-0.20471	-0.88825	0.16222	90.000	*	58.000	-2.00000	18.00000	98.75000	-0.16222	-0.88825
-0.17851	-0.59120	0.098415	90.000	*	59.000	-2.00000	19.00000	98.75000	-0.098415	-0.59120
-0.15522	-0.28345	0.043339	90.000	*	60.000	-2.00000	20.00000	98.75000	-0.043339	-0.28345
-0.13449	0.0	0.0	90.000	*	61.000	-2.00000	21.00000	98.75000	0.0	0.0
-0.11600	0.0	0.0	90.000	*	62.000	-2.00000	22.00000	98.75000	0.0	0.0
-0.099494	0.0	0.0	90.000	*	63.000	-2.00000	23.00000	98.75000	0.0	0.0
-0.084739	0.0	0.0	90.000	*	64.000	-2.00000	24.00000	98.75000	0.0	0.0
-0.071537	0.0	0.0	90.000	*	65.000	-2.00000	25.00000	98.75000	0.0	0.0
-0.059716	0.0	0.0	90.000	*	66.000	-2.00000	26.00000	98.75000	0.0	0.0
-0.049126	0.0	0.0	90.000	*	67.000	-2.00000	27.00000	98.75000	0.0	0.0
-0.039636	0.0	0.0	90.000	*	68.000	-2.00000	28.00000	98.75000	0.0	0.0
-0.031130	0.0	0.0	90.000	*	69.000	-2.00000	29.00000	98.75000	0.0	0.0
-0.023506	0.0	0.0	90.000	*	70.000	-2.00000	30.00000	98.75000	0.0	0.0

* Result includes imported displacement(s).

Displacement Results - Displacement Grids

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
0	Base Model 1	Grid 1		-40.00000	-40.00000	99.75000	0.0	0.0	0.029322	*
				-39.00000	-40.00000	99.75000	0.0	0.0	0.028913	*
				-38.00000	-40.00000	99.75000	0.0	0.0	0.028492	*
				-37.00000	-40.00000	99.75000	0.0	0.0	0.028060	*
				-36.00000	-40.00000	99.75000	0.0	0.0	0.027621	*
				-35.00000	-40.00000	99.75000	0.0	0.0	0.027177	*
				-34.00000	-40.00000	99.75000	0.0	0.0	0.026732	*
				-33.00000	-40.00000	99.75000	0.0	0.0	0.026288	*
				-32.00000	-40.00000	99.75000	0.0	0.0	0.025851	*
				-31.00000	-40.00000	99.75000	0.0	0.0	0.025422	*
				-30.00000	-40.00000	99.75000	0.0	0.0	0.025005	*
				-29.00000	-40.00000	99.75000	0.0	0.0	0.024605	*
				-28.00000	-40.00000	99.75000	0.0	0.0	0.024223	*
				-27.00000	-40.00000	99.75000	0.0	0.0	0.023865	*
				-26.00000	-40.00000	99.75000	0.0	0.0	0.023532	*
				-25.00000	-40.00000	99.75000	0.0	0.0	0.023228	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-24.00000	-40.00000	99.75000	0.0	0.0	0.022955	*
				-23.00000	-40.00000	99.75000	0.0	0.0	0.022717	*
				-22.00000	-40.00000	99.75000	0.0	0.0	0.022514	*
				-21.00000	-40.00000	99.75000	0.0	0.0	0.022350	*
				-20.00000	-40.00000	99.75000	0.0	0.0	0.022226	*
				-19.00000	-40.00000	99.75000	0.0	0.0	0.022142	*
				-18.00000	-40.00000	99.75000	0.0	0.0	0.022101	*
				-17.00000	-40.00000	99.75000	0.0	0.0	0.022101	*
				-16.00000	-40.00000	99.75000	0.0	0.0	0.022144	*
				-15.00000	-40.00000	99.75000	0.0	0.0	0.022228	*
				-14.00000	-40.00000	99.75000	0.0	0.0	0.022354	*
				-13.00000	-40.00000	99.75000	0.0	0.0	0.022519	*
				-12.00000	-40.00000	99.75000	0.0	0.0	0.022723	*
				-11.00000	-40.00000	99.75000	0.0	0.0	0.022963	*
				-10.00000	-40.00000	99.75000	0.0	0.0	0.023238	*
				-9.00000	-40.00000	99.75000	0.0	0.0	0.023544	*
				-8.00000	-40.00000	99.75000	0.0	0.0	0.023880	*
				-7.00000	-40.00000	99.75000	0.0	0.0	0.024242	*
				-6.00000	-40.00000	99.75000	0.0	0.0	0.024627	*
				-5.00000	-40.00000	99.75000	0.0	0.0	0.025031	*
				-4.00000	-40.00000	99.75000	0.0	0.0	0.025451	*
				-3.00000	-40.00000	99.75000	0.0	0.0	0.025885	*
				-2.00000	-40.00000	99.75000	0.0	0.0	0.026327	*
				-1.00000	-40.00000	99.75000	0.0	0.0	0.026776	*
				0.00000	-40.00000	99.75000	0.0	0.0	0.027226	*
				1.00000	-40.00000	99.75000	0.0	0.0	0.027676	*
				2.00000	-40.00000	99.75000	0.0	0.0	0.028121	*
				3.00000	-40.00000	99.75000	0.0	0.0	0.028558	*
				4.00000	-40.00000	99.75000	0.0	0.0	0.028985	*
				5.00000	-40.00000	99.75000	0.0	0.0	0.029399	*
				-40.00000	-39.00000	99.75000	0.0	0.0	0.028352	*
				-39.00000	-39.00000	99.75000	0.0	0.0	0.027866	*
				-38.00000	-39.00000	99.75000	0.0	0.0	0.027365	*
				-37.00000	-39.00000	99.75000	0.0	0.0	0.026852	*
				-36.00000	-39.00000	99.75000	0.0	0.0	0.026332	*
				-35.00000	-39.00000	99.75000	0.0	0.0	0.025807	*
				-34.00000	-39.00000	99.75000	0.0	0.0	0.025281	*
				-33.00000	-39.00000	99.75000	0.0	0.0	0.024758	*
				-32.00000	-39.00000	99.75000	0.0	0.0	0.024242	*
				-31.00000	-39.00000	99.75000	0.0	0.0	0.023737	*
				-30.00000	-39.00000	99.75000	0.0	0.0	0.023246	*
				-29.00000	-39.00000	99.75000	0.0	0.0	0.022775	*
				-28.00000	-39.00000	99.75000	0.0	0.0	0.022327	*
				-27.00000	-39.00000	99.75000	0.0	0.0	0.021905	*
				-26.00000	-39.00000	99.75000	0.0	0.0	0.021514	*
				-25.00000	-39.00000	99.75000	0.0	0.0	0.021157	*
				-24.00000	-39.00000	99.75000	0.0	0.0	0.020837	*
				-23.00000	-39.00000	99.75000	0.0	0.0	0.020556	*
				-22.00000	-39.00000	99.75000	0.0	0.0	0.020319	*
				-21.00000	-39.00000	99.75000	0.0	0.0	0.020126	*
				-20.00000	-39.00000	99.75000	0.0	0.0	0.019979	*
				-19.00000	-39.00000	99.75000	0.0	0.0	0.019881	*
				-18.00000	-39.00000	99.75000	0.0	0.0	0.019832	*
				-17.00000	-39.00000	99.75000	0.0	0.0	0.019832	*
				-16.00000	-39.00000	99.75000	0.0	0.0	0.019881	*
				-15.00000	-39.00000	99.75000	0.0	0.0	0.019980	*
				-14.00000	-39.00000	99.75000	0.0	0.0	0.020126	*
				-13.00000	-39.00000	99.75000	0.0	0.0	0.020320	*
				-12.00000	-39.00000	99.75000	0.0	0.0	0.020559	*
				-11.00000	-39.00000	99.75000	0.0	0.0	0.020840	*
				-10.00000	-39.00000	99.75000	0.0	0.0	0.021162	*
				-9.00000	-39.00000	99.75000	0.0	0.0	0.021521	*
				-8.00000	-39.00000	99.75000	0.0	0.0	0.021915	*
				-7.00000	-39.00000	99.75000	0.0	0.0	0.022339	*
				-6.00000	-39.00000	99.75000	0.0	0.0	0.022791	*
				-5.00000	-39.00000	99.75000	0.0	0.0	0.023265	*
				-4.00000	-39.00000	99.75000	0.0	0.0	0.023760	*
				-3.00000	-39.00000	99.75000	0.0	0.0	0.024269	*
				-2.00000	-39.00000	99.75000	0.0	0.0	0.024790	*
				-1.00000	-39.00000	99.75000	0.0	0.0	0.025318	*
				0.00000	-39.00000	99.75000	0.0	0.0	0.025849	*
				1.00000	-39.00000	99.75000	0.0	0.0	0.026380	*
				2.00000	-39.00000	99.75000	0.0	0.0	0.026906	*
				3.00000	-39.00000	99.75000	0.0	0.0	0.027425	*
				4.00000	-39.00000	99.75000	0.0	0.0	0.027932	*
				5.00000	-39.00000	99.75000	0.0	0.0	0.028424	*
				-40.00000	-38.00000	99.75000	0.0	0.0	0.027235	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-39.00000	-38.00000	99.75000	0.0	0.0	0.026660	*
				-38.00000	-38.00000	99.75000	0.0	0.0	0.026069	*
				-37.00000	-38.00000	99.75000	0.0	0.0	0.025465	*
				-36.00000	-38.00000	99.75000	0.0	0.0	0.024853	*
				-35.00000	-38.00000	99.75000	0.0	0.0	0.024236	*
				-34.00000	-38.00000	99.75000	0.0	0.0	0.023619	*
				-33.00000	-38.00000	99.75000	0.0	0.0	0.023006	*
				-32.00000	-38.00000	99.75000	0.0	0.0	0.022401	*
				-31.00000	-38.00000	99.75000	0.0	0.0	0.021809	*
				-30.00000	-38.00000	99.75000	0.0	0.0	0.021235	*
				-29.00000	-38.00000	99.75000	0.0	0.0	0.020683	*
				-28.00000	-38.00000	99.75000	0.0	0.0	0.020159	*
				-27.00000	-38.00000	99.75000	0.0	0.0	0.019665	*
				-26.00000	-38.00000	99.75000	0.0	0.0	0.019208	*
				-25.00000	-38.00000	99.75000	0.0	0.0	0.018790	*
				-24.00000	-38.00000	99.75000	0.0	0.0	0.018415	*
				-23.00000	-38.00000	99.75000	0.0	0.0	0.018087	*
				-22.00000	-38.00000	99.75000	0.0	0.0	0.017809	*
				-21.00000	-38.00000	99.75000	0.0	0.0	0.017583	*
				-20.00000	-38.00000	99.75000	0.0	0.0	0.017412	*
				-19.00000	-38.00000	99.75000	0.0	0.0	0.017297	*
				-18.00000	-38.00000	99.75000	0.0	0.0	0.017239	*
				-17.00000	-38.00000	99.75000	0.0	0.0	0.017238	*
				-16.00000	-38.00000	99.75000	0.0	0.0	0.017296	*
				-15.00000	-38.00000	99.75000	0.0	0.0	0.017410	*
				-14.00000	-38.00000	99.75000	0.0	0.0	0.017581	*
				-13.00000	-38.00000	99.75000	0.0	0.0	0.017807	*
				-12.00000	-38.00000	99.75000	0.0	0.0	0.018085	*
				-11.00000	-38.00000	99.75000	0.0	0.0	0.018413	*
				-10.00000	-38.00000	99.75000	0.0	0.0	0.018789	*
				-9.00000	-38.00000	99.75000	0.0	0.0	0.019208	*
				-8.00000	-38.00000	99.75000	0.0	0.0	0.019668	*
				-7.00000	-38.00000	99.75000	0.0	0.0	0.020164	*
				-6.00000	-38.00000	99.75000	0.0	0.0	0.020691	*
				-5.00000	-38.00000	99.75000	0.0	0.0	0.021246	*
				-4.00000	-38.00000	99.75000	0.0	0.0	0.021824	*
				-3.00000	-38.00000	99.75000	0.0	0.0	0.022421	*
				-2.00000	-38.00000	99.75000	0.0	0.0	0.023030	*
				-1.00000	-38.00000	99.75000	0.0	0.0	0.023649	*
				0.00000	-38.00000	99.75000	0.0	0.0	0.024272	*
				1.00000	-38.00000	99.75000	0.0	0.0	0.024894	*
				2.00000	-38.00000	99.75000	0.0	0.0	0.025512	*
				3.00000	-38.00000	99.75000	0.0	0.0	0.026122	*
				4.00000	-38.00000	99.75000	0.0	0.0	0.026719	*
				5.00000	-38.00000	99.75000	0.0	0.0	0.027301	*
				-40.00000	-37.00000	99.75000	0.0	0.0	0.025956	*
				-39.00000	-37.00000	99.75000	0.0	0.0	0.025282	*
				-38.00000	-37.00000	99.75000	0.0	0.0	0.024589	*
				-37.00000	-37.00000	99.75000	0.0	0.0	0.023883	*
				-36.00000	-37.00000	99.75000	0.0	0.0	0.023167	*
				-35.00000	-37.00000	99.75000	0.0	0.0	0.022447	*
				-34.00000	-37.00000	99.75000	0.0	0.0	0.021726	*
				-33.00000	-37.00000	99.75000	0.0	0.0	0.021010	*
				-32.00000	-37.00000	99.75000	0.0	0.0	0.020304	*
				-31.00000	-37.00000	99.75000	0.0	0.0	0.019614	*
				-30.00000	-37.00000	99.75000	0.0	0.0	0.018944	*
				-29.00000	-37.00000	99.75000	0.0	0.0	0.018301	*
				-28.00000	-37.00000	99.75000	0.0	0.0	0.017689	*
				-27.00000	-37.00000	99.75000	0.0	0.0	0.017114	*
				-26.00000	-37.00000	99.75000	0.0	0.0	0.016581	*
				-25.00000	-37.00000	99.75000	0.0	0.0	0.016094	*
				-24.00000	-37.00000	99.75000	0.0	0.0	0.015657	*
				-23.00000	-37.00000	99.75000	0.0	0.0	0.015275	*
				-22.00000	-37.00000	99.75000	0.0	0.0	0.014950	*
				-21.00000	-37.00000	99.75000	0.0	0.0	0.014687	*
				-20.00000	-37.00000	99.75000	0.0	0.0	0.014487	*
				-19.00000	-37.00000	99.75000	0.0	0.0	0.014352	*
				-18.00000	-37.00000	99.75000	0.0	0.0	0.014284	*
				-17.00000	-37.00000	99.75000	0.0	0.0	0.014283	*
				-16.00000	-37.00000	99.75000	0.0	0.0	0.014349	*
				-15.00000	-37.00000	99.75000	0.0	0.0	0.014482	*
				-14.00000	-37.00000	99.75000	0.0	0.0	0.014681	*
				-13.00000	-37.00000	99.75000	0.0	0.0	0.014943	*
				-12.00000	-37.00000	99.75000	0.0	0.0	0.015267	*
				-11.00000	-37.00000	99.75000	0.0	0.0	0.015649	*
				-10.00000	-37.00000	99.75000	0.0	0.0	0.016086	*
				-9.00000	-37.00000	99.75000	0.0	0.0	0.016574	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-8.00000	-37.00000	99.75000	0.0	0.0	0.017109	*
				-7.00000	-37.00000	99.75000	0.0	0.0	0.017686	*
				-6.00000	-37.00000	99.75000	0.0	0.0	0.018301	*
				-5.00000	-37.00000	99.75000	0.0	0.0	0.018947	*
				-4.00000	-37.00000	99.75000	0.0	0.0	0.019620	*
				-3.00000	-37.00000	99.75000	0.0	0.0	0.020315	*
				-2.00000	-37.00000	99.75000	0.0	0.0	0.021025	*
				-1.00000	-37.00000	99.75000	0.0	0.0	0.021747	*
				0.00000	-37.00000	99.75000	0.0	0.0	0.022473	*
				1.00000	-37.00000	99.75000	0.0	0.0	0.023200	*
				2.00000	-37.00000	99.75000	0.0	0.0	0.023922	*
				3.00000	-37.00000	99.75000	0.0	0.0	0.024635	*
				4.00000	-37.00000	99.75000	0.0	0.0	0.025334	*
				5.00000	-37.00000	99.75000	0.0	0.0	0.026015	*
				-40.00000	-36.00000	99.75000	0.0	0.0	0.024503	*
				-39.00000	-36.00000	99.75000	0.0	0.0	0.023716	*
				-38.00000	-36.00000	99.75000	0.0	0.0	0.022909	*
				-37.00000	-36.00000	99.75000	0.0	0.0	0.022087	*
				-36.00000	-36.00000	99.75000	0.0	0.0	0.021254	*
				-35.00000	-36.00000	99.75000	0.0	0.0	0.020415	*
				-34.00000	-36.00000	99.75000	0.0	0.0	0.019577	*
				-33.00000	-36.00000	99.75000	0.0	0.0	0.018745	*
				-32.00000	-36.00000	99.75000	0.0	0.0	0.017924	*
				-31.00000	-36.00000	99.75000	0.0	0.0	0.017122	*
				-30.00000	-36.00000	99.75000	0.0	0.0	0.016344	*
				-29.00000	-36.00000	99.75000	0.0	0.0	0.015597	*
				-28.00000	-36.00000	99.75000	0.0	0.0	0.014886	*
				-27.00000	-36.00000	99.75000	0.0	0.0	0.014218	*
				-26.00000	-36.00000	99.75000	0.0	0.0	0.013597	*
				-25.00000	-36.00000	99.75000	0.0	0.0	0.013031	*
				-24.00000	-36.00000	99.75000	0.0	0.0	0.012523	*
				-23.00000	-36.00000	99.75000	0.0	0.0	0.012079	*
				-22.00000	-36.00000	99.75000	0.0	0.0	0.011702	*
				-21.00000	-36.00000	99.75000	0.0	0.0	0.011395	*
				-20.00000	-36.00000	99.75000	0.0	0.0	0.011163	*
				-19.00000	-36.00000	99.75000	0.0	0.0	0.011006	*
				-18.00000	-36.00000	99.75000	0.0	0.0	0.010926	*
				-17.00000	-36.00000	99.75000	0.0	0.0	0.010924	*
				-16.00000	-36.00000	99.75000	0.0	0.0	0.011001	*
				-15.00000	-36.00000	99.75000	0.0	0.0	0.011155	*
				-14.00000	-36.00000	99.75000	0.0	0.0	0.011385	*
				-13.00000	-36.00000	99.75000	0.0	0.0	0.011690	*
				-12.00000	-36.00000	99.75000	0.0	0.0	0.012065	*
				-11.00000	-36.00000	99.75000	0.0	0.0	0.012509	*
				-10.00000	-36.00000	99.75000	0.0	0.0	0.013016	*
				-9.00000	-36.00000	99.75000	0.0	0.0	0.013582	*
				-8.00000	-36.00000	99.75000	0.0	0.0	0.014203	*
				-7.00000	-36.00000	99.75000	0.0	0.0	0.014873	*
				-6.00000	-36.00000	99.75000	0.0	0.0	0.015586	*
				-5.00000	-36.00000	99.75000	0.0	0.0	0.016337	*
				-4.00000	-36.00000	99.75000	0.0	0.0	0.017119	*
				-3.00000	-36.00000	99.75000	0.0	0.0	0.017925	*
				-2.00000	-36.00000	99.75000	0.0	0.0	0.018750	*
				-1.00000	-36.00000	99.75000	0.0	0.0	0.019588	*
				0.00000	-36.00000	99.75000	0.0	0.0	0.020432	*
				1.00000	-36.00000	99.75000	0.0	0.0	0.021277	*
				2.00000	-36.00000	99.75000	0.0	0.0	0.022116	*
				3.00000	-36.00000	99.75000	0.0	0.0	0.022945	*
				4.00000	-36.00000	99.75000	0.0	0.0	0.023759	*
				5.00000	-36.00000	99.75000	0.0	0.0	0.024553	*
				-40.00000	-35.00000	99.75000	0.0	0.0	0.022859	*
				-39.00000	-35.00000	99.75000	0.0	0.0	0.021946	*
				-38.00000	-35.00000	99.75000	0.0	0.0	0.021010	*
				-37.00000	-35.00000	99.75000	0.0	0.0	0.020057	*
				-36.00000	-35.00000	99.75000	0.0	0.0	0.019091	*
				-35.00000	-35.00000	99.75000	0.0	0.0	0.018119	*
				-34.00000	-35.00000	99.75000	0.0	0.0	0.017148	*
				-33.00000	-35.00000	99.75000	0.0	0.0	0.016183	*
				-32.00000	-35.00000	99.75000	0.0	0.0	0.015233	*
				-31.00000	-35.00000	99.75000	0.0	0.0	0.014303	*
				-30.00000	-35.00000	99.75000	0.0	0.0	0.013402	*
				-29.00000	-35.00000	99.75000	0.0	0.0	0.012535	*
				-28.00000	-35.00000	99.75000	0.0	0.0	0.011711	*
				-27.00000	-35.00000	99.75000	0.0	0.0	0.010936	*
				-26.00000	-35.00000	99.75000	0.0	0.0	0.010218	*
				-25.00000	-35.00000	99.75000	0.0	0.0	0.0095607	*
				-24.00000	-35.00000	99.75000	0.0	0.0	0.0089718	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-23.00000	-35.00000	99.75000	0.0	0.0	0.0084562	*
				-22.00000	-35.00000	99.75000	0.0	0.0	0.0080186	*
				-21.00000	-35.00000	99.75000	0.0	0.0	0.0076629	*
				-20.00000	-35.00000	99.75000	0.0	0.0	0.0073926	*
				-19.00000	-35.00000	99.75000	0.0	0.0	0.0072102	*
				-18.00000	-35.00000	99.75000	0.0	0.0	0.0071174	*
				-17.00000	-35.00000	99.75000	0.0	0.0	0.0071151	*
				-16.00000	-35.00000	99.75000	0.0	0.0	0.0072035	*
				-15.00000	-35.00000	99.75000	0.0	0.0	0.0073817	*
				-14.00000	-35.00000	99.75000	0.0	0.0	0.0076482	*
				-13.00000	-35.00000	99.75000	0.0	0.0	0.0080004	*
				-12.00000	-35.00000	99.75000	0.0	0.0	0.0084353	*
				-11.00000	-35.00000	99.75000	0.0	0.0	0.0089488	*
				-10.00000	-35.00000	99.75000	0.0	0.0	0.0095364	*
				-9.00000	-35.00000	99.75000	0.0	0.0	0.010193	*
				-8.00000	-35.00000	99.75000	0.0	0.0	0.010912	*
				-7.00000	-35.00000	99.75000	0.0	0.0	0.011688	*
				-6.00000	-35.00000	99.75000	0.0	0.0	0.012514	*
				-5.00000	-35.00000	99.75000	0.0	0.0	0.013383	*
				-4.00000	-35.00000	99.75000	0.0	0.0	0.014288	*
				-3.00000	-35.00000	99.75000	0.0	0.0	0.015222	*
				-2.00000	-35.00000	99.75000	0.0	0.0	0.016178	*
				-1.00000	-35.00000	99.75000	0.0	0.0	0.017148	*
				0.00000	-35.00000	99.75000	0.0	0.0	0.018125	*
				1.00000	-35.00000	99.75000	0.0	0.0	0.019103	*
				2.00000	-35.00000	99.75000	0.0	0.0	0.020075	*
				3.00000	-35.00000	99.75000	0.0	0.0	0.021036	*
				4.00000	-35.00000	99.75000	0.0	0.0	0.021979	*
				5.00000	-35.00000	99.75000	0.0	0.0	0.022899	*
				-40.00000	-34.00000	99.75000	0.0	0.0	0.021008	*
				-39.00000	-34.00000	99.75000	0.0	0.0	0.019953	*
				-38.00000	-34.00000	99.75000	0.0	0.0	0.018872	*
				-37.00000	-34.00000	99.75000	0.0	0.0	0.017770	*
				-36.00000	-34.00000	99.75000	0.0	0.0	0.016655	*
				-35.00000	-34.00000	99.75000	0.0	0.0	0.015532	*
				-34.00000	-34.00000	99.75000	0.0	0.0	0.014410	*
				-33.00000	-34.00000	99.75000	0.0	0.0	0.013295	*
				-32.00000	-34.00000	99.75000	0.0	0.0	0.012197	*
				-31.00000	-34.00000	99.75000	0.0	0.0	0.011122	*
				-30.00000	-34.00000	99.75000	0.0	0.0	0.010079	*
				-29.00000	-34.00000	99.75000	0.0	0.0	0.0090774	*
				-28.00000	-34.00000	99.75000	0.0	0.0	0.0081243	*
				-27.00000	-34.00000	99.75000	0.0	0.0	0.0072279	*
				-26.00000	-34.00000	99.75000	0.0	0.0	0.0063959	*
				-25.00000	-34.00000	99.75000	0.0	0.0	0.0056356	*
				-24.00000	-34.00000	99.75000	0.0	0.0	0.0049538	*
				-23.00000	-34.00000	99.75000	0.0	0.0	0.0043567	*
				-22.00000	-34.00000	99.75000	0.0	0.0	0.0038498	*
				-21.00000	-34.00000	99.75000	0.0	0.0	0.0034377	*
				-20.00000	-34.00000	99.75000	0.0	0.0	0.0031244	*
				-19.00000	-34.00000	99.75000	0.0	0.0	0.0029127	*
				-18.00000	-34.00000	99.75000	0.0	0.0	0.0028048	*
				-17.00000	-34.00000	99.75000	0.0	0.0	0.0028017	*
				-16.00000	-34.00000	99.75000	0.0	0.0	0.0029036	*
				-15.00000	-34.00000	99.75000	0.0	0.0	0.0031094	*
				-14.00000	-34.00000	99.75000	0.0	0.0	0.0034174	*
				-13.00000	-34.00000	99.75000	0.0	0.0	0.0038247	*
				-12.00000	-34.00000	99.75000	0.0	0.0	0.0043276	*
				-11.00000	-34.00000	99.75000	0.0	0.0	0.0049215	*
				-10.00000	-34.00000	99.75000	0.0	0.0	0.0056009	*
				-9.00000	-34.00000	99.75000	0.0	0.0	0.0063599	*
				-8.00000	-34.00000	99.75000	0.0	0.0	0.0071915	*
				-7.00000	-34.00000	99.75000	0.0	0.0	0.0080886	*
				-6.00000	-34.00000	99.75000	0.0	0.0	0.0090434	*
				-5.00000	-34.00000	99.75000	0.0	0.0	0.010048	*
				-4.00000	-34.00000	99.75000	0.0	0.0	0.011094	*
				-3.00000	-34.00000	99.75000	0.0	0.0	0.012173	*
				-2.00000	-34.00000	99.75000	0.0	0.0	0.013277	*
				-1.00000	-34.00000	99.75000	0.0	0.0	0.014397	*
				0.00000	-34.00000	99.75000	0.0	0.0	0.015525	*
				1.00000	-34.00000	99.75000	0.0	0.0	0.016655	*
				2.00000	-34.00000	99.75000	0.0	0.0	0.017777	*
				3.00000	-34.00000	99.75000	0.0	0.0	0.018886	*
				4.00000	-34.00000	99.75000	0.0	0.0	0.019975	*
				5.00000	-34.00000	99.75000	0.0	0.0	0.021038	*
				-40.00000	-33.00000	99.75000	0.0	0.0	0.018932	*
				-39.00000	-33.00000	99.75000	0.0	0.0	0.017717	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-38.00000	-33.00000	99.75000	0.0	0.0	0.016472	*
				-37.00000	-33.00000	99.75000	0.0	0.0	0.015203	*
				-36.00000	-33.00000	99.75000	0.0	0.0	0.013918	*
				-35.00000	-33.00000	99.75000	0.0	0.0	0.012625	*
				-34.00000	-33.00000	99.75000	0.0	0.0	0.011331	*
				-33.00000	-33.00000	99.75000	0.0	0.0	0.010046	*
				-32.00000	-33.00000	99.75000	0.0	0.0	0.0087791	*
				-31.00000	-33.00000	99.75000	0.0	0.0	0.0075391	*
				-30.00000	-33.00000	99.75000	0.0	0.0	0.0063361	*
				-29.00000	-33.00000	99.75000	0.0	0.0	0.0051794	*
				-28.00000	-33.00000	99.75000	0.0	0.0	0.0040786	*
				-27.00000	-33.00000	99.75000	0.0	0.0	0.0030431	*
				-26.00000	-33.00000	99.75000	0.0	0.0	0.0020818	*
				-25.00000	-33.00000	99.75000	0.0	0.0	0.0012030	*
				-24.00000	-33.00000	99.75000	0.0	0.0	414.83E-6	*
				-23.00000	-33.00000	99.75000	0.0	0.0	-275.66E-6	*
				-22.00000	-33.00000	99.75000	0.0	0.0	-862.06E-6	*
				-21.00000	-33.00000	99.75000	0.0	0.0	-0.0013389	*
				-20.00000	-33.00000	99.75000	0.0	0.0	-0.0017016	*
				-19.00000	-33.00000	99.75000	0.0	0.0	-0.0019468	*
				-18.00000	-33.00000	99.75000	0.0	0.0	-0.0020720	*
				-17.00000	-33.00000	99.75000	0.0	0.0	-0.0020760	*
				-16.00000	-33.00000	99.75000	0.0	0.0	-0.0019587	*
				-15.00000	-33.00000	99.75000	0.0	0.0	-0.0017212	*
				-14.00000	-33.00000	99.75000	0.0	0.0	-0.0013655	*
				-13.00000	-33.00000	99.75000	0.0	0.0	-895.08E-6	*
				-12.00000	-33.00000	99.75000	0.0	0.0	-314.19E-6	*
				-11.00000	-33.00000	99.75000	0.0	0.0	371.78E-6	*
				-10.00000	-33.00000	99.75000	0.0	0.0	0.0011566	*
				-9.00000	-33.00000	99.75000	0.0	0.0	0.0020330	*
				-8.00000	-33.00000	99.75000	0.0	0.0	0.0029933	*
				-7.00000	-33.00000	99.75000	0.0	0.0	0.0040290	*
				-6.00000	-33.00000	99.75000	0.0	0.0	0.0051310	*
				-5.00000	-33.00000	99.75000	0.0	0.0	0.0062901	*
				-4.00000	-33.00000	99.75000	0.0	0.0	0.0074966	*
				-3.00000	-33.00000	99.75000	0.0	0.0	0.0087409	*
				-2.00000	-33.00000	99.75000	0.0	0.0	0.010013	*
				-1.00000	-33.00000	99.75000	0.0	0.0	0.011304	*
				0.00000	-33.00000	99.75000	0.0	0.0	0.012604	*
				1.00000	-33.00000	99.75000	0.0	0.0	0.013905	*
				2.00000	-33.00000	99.75000	0.0	0.0	0.015197	*
				3.00000	-33.00000	99.75000	0.0	0.0	0.016474	*
				4.00000	-33.00000	99.75000	0.0	0.0	0.017727	*
				5.00000	-33.00000	99.75000	0.0	0.0	0.018950	*
				-40.00000	-32.00000	99.75000	0.0	0.0	0.016612	*
				-39.00000	-32.00000	99.75000	0.0	0.0	0.015218	*
				-38.00000	-32.00000	99.75000	0.0	0.0	0.013788	*
				-37.00000	-32.00000	99.75000	0.0	0.0	0.012330	*
				-36.00000	-32.00000	99.75000	0.0	0.0	0.010853	*
				-35.00000	-32.00000	99.75000	0.0	0.0	0.0093660	*
				-34.00000	-32.00000	99.75000	0.0	0.0	0.0078778	*
				-33.00000	-32.00000	99.75000	0.0	0.0	0.0063990	*
				-32.00000	-32.00000	99.75000	0.0	0.0	0.0049400	*
				-31.00000	-32.00000	99.75000	0.0	0.0	0.0035117	*
				-30.00000	-32.00000	99.75000	0.0	0.0	0.0021253	*
				-29.00000	-32.00000	99.75000	0.0	0.0	791.75E-6	*
				-28.00000	-32.00000	99.75000	0.0	0.0	-477.79E-6	*
				-27.00000	-32.00000	99.75000	0.0	0.0	-0.0016725	*
				-26.00000	-32.00000	99.75000	0.0	0.0	-0.0027821	*
				-25.00000	-32.00000	99.75000	0.0	0.0	-0.0037966	*
				-24.00000	-32.00000	99.75000	0.0	0.0	-0.0047069	*
				-23.00000	-32.00000	99.75000	0.0	0.0	-0.0055046	*
				-22.00000	-32.00000	99.75000	0.0	0.0	-0.0061822	*
				-21.00000	-32.00000	99.75000	0.0	0.0	-0.0067334	*
				-20.00000	-32.00000	99.75000	0.0	0.0	-0.0071528	*
				-19.00000	-32.00000	99.75000	0.0	0.0	-0.0074365	*
				-18.00000	-32.00000	99.75000	0.0	0.0	-0.0075816	*
				-17.00000	-32.00000	99.75000	0.0	0.0	-0.0075867	*
				-16.00000	-32.00000	99.75000	0.0	0.0	-0.0074517	*
				-15.00000	-32.00000	99.75000	0.0	0.0	-0.0071777	*
				-14.00000	-32.00000	99.75000	0.0	0.0	-0.0067673	*
				-13.00000	-32.00000	99.75000	0.0	0.0	-0.0062244	*
				-12.00000	-32.00000	99.75000	0.0	0.0	-0.0055539	*
				-11.00000	-32.00000	99.75000	0.0	0.0	-0.0047622	*
				-10.00000	-32.00000	99.75000	0.0	0.0	-0.0038566	*
				-9.00000	-32.00000	99.75000	0.0	0.0	-0.0028453	*
				-8.00000	-32.00000	99.75000	0.0	0.0	-0.0017375	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-7.00000	-32.00000	99.75000	0.0	0.0	-543.19E-6	*
				-6.00000	-32.00000	99.75000	0.0	0.0	727.32E-6	*
				-5.00000	-32.00000	99.75000	0.0	0.0	0.0020631	*
				-4.00000	-32.00000	99.75000	0.0	0.0	0.0034530	*
				-3.00000	-32.00000	99.75000	0.0	0.0	0.0048858	*
				-2.00000	-32.00000	99.75000	0.0	0.0	0.0063502	*
				-1.00000	-32.00000	99.75000	0.0	0.0	0.0078354	*
				0.00000	-32.00000	99.75000	0.0	0.0	0.0093304	*
				1.00000	-32.00000	99.75000	0.0	0.0	0.010825	*
				2.00000	-32.00000	99.75000	0.0	0.0	0.012310	*
				3.00000	-32.00000	99.75000	0.0	0.0	0.013776	*
				4.00000	-32.00000	99.75000	0.0	0.0	0.015214	*
				5.00000	-32.00000	99.75000	0.0	0.0	0.016618	*
				-40.00000	-31.00000	99.75000	0.0	0.0	0.014029	*
				-39.00000	-31.00000	99.75000	0.0	0.0	0.012431	*
				-38.00000	-31.00000	99.75000	0.0	0.0	0.010793	*
				-37.00000	-31.00000	99.75000	0.0	0.0	0.0091218	*
				-36.00000	-31.00000	99.75000	0.0	0.0	0.0074276	*
				-35.00000	-31.00000	99.75000	0.0	0.0	0.0057205	*
				-34.00000	-31.00000	99.75000	0.0	0.0	0.0040114	*
				-33.00000	-31.00000	99.75000	0.0	0.0	0.0023119	*
				-32.00000	-31.00000	99.75000	0.0	0.0	634.21E-6	*
				-31.00000	-31.00000	99.75000	0.0	0.0	-0.0010091	*
				-30.00000	-31.00000	99.75000	0.0	0.0	-0.0026051	*
				-29.00000	-31.00000	99.75000	0.0	0.0	-0.0041409	*
				-28.00000	-31.00000	99.75000	0.0	0.0	-0.0056037	*
				-27.00000	-31.00000	99.75000	0.0	0.0	-0.0069810	*
				-26.00000	-31.00000	99.75000	0.0	0.0	-0.0082606	*
				-25.00000	-31.00000	99.75000	0.0	0.0	-0.0094310	*
				-24.00000	-31.00000	99.75000	0.0	0.0	-0.010481	*
				-23.00000	-31.00000	99.75000	0.0	0.0	-0.011402	*
				-22.00000	-31.00000	99.75000	0.0	0.0	-0.012185	*
				-21.00000	-31.00000	99.75000	0.0	0.0	-0.012821	*
				-20.00000	-31.00000	99.75000	0.0	0.0	-0.013306	*
				-19.00000	-31.00000	99.75000	0.0	0.0	-0.013634	*
				-18.00000	-31.00000	99.75000	0.0	0.0	-0.013802	*
				-17.00000	-31.00000	99.75000	0.0	0.0	-0.013808	*
				-16.00000	-31.00000	99.75000	0.0	0.0	-0.013653	*
				-15.00000	-31.00000	99.75000	0.0	0.0	-0.013337	*
				-14.00000	-31.00000	99.75000	0.0	0.0	-0.012864	*
				-13.00000	-31.00000	99.75000	0.0	0.0	-0.012237	*
				-12.00000	-31.00000	99.75000	0.0	0.0	-0.011464	*
				-11.00000	-31.00000	99.75000	0.0	0.0	-0.010551	*
				-10.00000	-31.00000	99.75000	0.0	0.0	-0.0095063	*
				-9.00000	-31.00000	99.75000	0.0	0.0	-0.0083402	*
				-8.00000	-31.00000	99.75000	0.0	0.0	-0.0070632	*
				-7.00000	-31.00000	99.75000	0.0	0.0	-0.0056869	*
				-6.00000	-31.00000	99.75000	0.0	0.0	-0.0042233	*
				-5.00000	-31.00000	99.75000	0.0	0.0	-0.0026853	*
				-4.00000	-31.00000	99.75000	0.0	0.0	-0.0010857	*
				-3.00000	-31.00000	99.75000	0.0	0.0	562.29E-6	*
				-2.00000	-31.00000	99.75000	0.0	0.0	0.0022458	*
				-1.00000	-31.00000	99.75000	0.0	0.0	0.0039520	*
				0.00000	-31.00000	99.75000	0.0	0.0	0.0056685	*
				1.00000	-31.00000	99.75000	0.0	0.0	0.0073836	*
				2.00000	-31.00000	99.75000	0.0	0.0	0.0090862	*
				3.00000	-31.00000	99.75000	0.0	0.0	0.010766	*
				4.00000	-31.00000	99.75000	0.0	0.0	0.012413	*
				5.00000	-31.00000	99.75000	0.0	0.0	0.014020	*
				-40.00000	-30.00000	99.75000	0.0	0.0	0.011158	*
				-39.00000	-30.00000	99.75000	0.0	0.0	0.0093329	*
				-38.00000	-30.00000	99.75000	0.0	0.0	0.0074592	*
				-37.00000	-30.00000	99.75000	0.0	0.0	0.0055469	*
				-36.00000	-30.00000	99.75000	0.0	0.0	0.0036065	*
				-35.00000	-30.00000	99.75000	0.0	0.0	0.0016498	*
				-34.00000	-30.00000	99.75000	0.0	0.0	-310.72E-6	*
				-33.00000	-30.00000	99.75000	0.0	0.0	-0.0022616	*
				-32.00000	-30.00000	99.75000	0.0	0.0	-0.0041888	*
				-31.00000	-30.00000	99.75000	0.0	0.0	-0.0060778	*
				-30.00000	-30.00000	99.75000	0.0	0.0	-0.0079136	*
				-29.00000	-30.00000	99.75000	0.0	0.0	-0.0096812	*
				-28.00000	-30.00000	99.75000	0.0	0.0	-0.011366	*
				-27.00000	-30.00000	99.75000	0.0	0.0	-0.012952	*
				-26.00000	-30.00000	99.75000	0.0	0.0	-0.014427	*
				-25.00000	-30.00000	99.75000	0.0	0.0	-0.015777	*
				-24.00000	-30.00000	99.75000	0.0	0.0	-0.016989	*
				-23.00000	-30.00000	99.75000	0.0	0.0	-0.018051	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-22.00000	-30.00000	99.75000	0.0	0.0	-0.018954	*
				-21.00000	-30.00000	99.75000	0.0	0.0	-0.019689	*
				-20.00000	-30.00000	99.75000	0.0	0.0	-0.020249	*
				-19.00000	-30.00000	99.75000	0.0	0.0	-0.020628	*
				-18.00000	-30.00000	99.75000	0.0	0.0	-0.020823	*
				-17.00000	-30.00000	99.75000	0.0	0.0	-0.020830	*
				-16.00000	-30.00000	99.75000	0.0	0.0	-0.020651	*
				-15.00000	-30.00000	99.75000	0.0	0.0	-0.020287	*
				-14.00000	-30.00000	99.75000	0.0	0.0	-0.019741	*
				-13.00000	-30.00000	99.75000	0.0	0.0	-0.019019	*
				-12.00000	-30.00000	99.75000	0.0	0.0	-0.018127	*
				-11.00000	-30.00000	99.75000	0.0	0.0	-0.017074	*
				-10.00000	-30.00000	99.75000	0.0	0.0	-0.015870	*
				-9.00000	-30.00000	99.75000	0.0	0.0	-0.014525	*
				-8.00000	-30.00000	99.75000	0.0	0.0	-0.013054	*
				-7.00000	-30.00000	99.75000	0.0	0.0	-0.011469	*
				-6.00000	-30.00000	99.75000	0.0	0.0	-0.0097836	*
				-5.00000	-30.00000	99.75000	0.0	0.0	-0.0080137	*
				-4.00000	-30.00000	99.75000	0.0	0.0	-0.0061742	*
				-3.00000	-30.00000	99.75000	0.0	0.0	-0.0042800	*
				-2.00000	-30.00000	99.75000	0.0	0.0	-0.0023465	*
				-1.00000	-30.00000	99.75000	0.0	0.0	-388.39E-6	*
				0.00000	-30.00000	99.75000	0.0	0.0	0.0015801	*
				1.00000	-30.00000	99.75000	0.0	0.0	0.0035454	*
				2.00000	-30.00000	99.75000	0.0	0.0	0.0054948	*
				3.00000	-30.00000	99.75000	0.0	0.0	0.0074165	*
				4.00000	-30.00000	99.75000	0.0	0.0	0.0092997	*
				5.00000	-30.00000	99.75000	0.0	0.0	0.011135	*
				-40.00000	-29.00000	99.75000	0.0	0.0	0.0079782	*
				-39.00000	-29.00000	99.75000	0.0	0.0	0.0058958	*
				-38.00000	-29.00000	99.75000	0.0	0.0	0.0037565	*
				-37.00000	-29.00000	99.75000	0.0	0.0	0.0015710	*
				-36.00000	-29.00000	99.75000	0.0	0.0	-648.54E-6	*
				-35.00000	-29.00000	99.75000	0.0	0.0	-0.0028889	*
				-34.00000	-29.00000	99.75000	0.0	0.0	-0.0051357	*
				-33.00000	-29.00000	99.75000	0.0	0.0	-0.0073733	*
				-32.00000	-29.00000	99.75000	0.0	0.0	-0.0095857	*
				-31.00000	-29.00000	99.75000	0.0	0.0	-0.011756	*
				-30.00000	-29.00000	99.75000	0.0	0.0	-0.013866	*
				-29.00000	-29.00000	99.75000	0.0	0.0	-0.015900	*
				-28.00000	-29.00000	99.75000	0.0	0.0	-0.017839	*
				-27.00000	-29.00000	99.75000	0.0	0.0	-0.019666	*
				-26.00000	-29.00000	99.75000	0.0	0.0	-0.021366	*
				-25.00000	-29.00000	99.75000	0.0	0.0	-0.022922	*
				-24.00000	-29.00000	99.75000	0.0	0.0	-0.024319	*
				-23.00000	-29.00000	99.75000	0.0	0.0	-0.025545	*
				-22.00000	-29.00000	99.75000	0.0	0.0	-0.026587	*
				-21.00000	-29.00000	99.75000	0.0	0.0	-0.027436	*
				-20.00000	-29.00000	99.75000	0.0	0.0	-0.028082	*
				-19.00000	-29.00000	99.75000	0.0	0.0	-0.028520	*
				-18.00000	-29.00000	99.75000	0.0	0.0	-0.028745	*
				-17.00000	-29.00000	99.75000	0.0	0.0	-0.028755	*
				-16.00000	-29.00000	99.75000	0.0	0.0	-0.028549	*
				-15.00000	-29.00000	99.75000	0.0	0.0	-0.028129	*
				-14.00000	-29.00000	99.75000	0.0	0.0	-0.027499	*
				-13.00000	-29.00000	99.75000	0.0	0.0	-0.026666	*
				-12.00000	-29.00000	99.75000	0.0	0.0	-0.025637	*
				-11.00000	-29.00000	99.75000	0.0	0.0	-0.024423	*
				-10.00000	-29.00000	99.75000	0.0	0.0	-0.023034	*
				-9.00000	-29.00000	99.75000	0.0	0.0	-0.021485	*
				-8.00000	-29.00000	99.75000	0.0	0.0	-0.019790	*
				-7.00000	-29.00000	99.75000	0.0	0.0	-0.017964	*
				-6.00000	-29.00000	99.75000	0.0	0.0	-0.016024	*
				-5.00000	-29.00000	99.75000	0.0	0.0	-0.013988	*
				-4.00000	-29.00000	99.75000	0.0	0.0	-0.011874	*
				-3.00000	-29.00000	99.75000	0.0	0.0	-0.0096977	*
				-2.00000	-29.00000	99.75000	0.0	0.0	-0.0074784	*
				-1.00000	-29.00000	99.75000	0.0	0.0	-0.0052327	*
				0.00000	-29.00000	99.75000	0.0	0.0	-0.0029773	*
				1.00000	-29.00000	99.75000	0.0	0.0	-727.61E-6	*
				2.00000	-29.00000	99.75000	0.0	0.0	0.0015016	*
				3.00000	-29.00000	99.75000	0.0	0.0	0.0036970	*
				4.00000	-29.00000	99.75000	0.0	0.0	0.0058463	*
				5.00000	-29.00000	99.75000	0.0	0.0	0.0079387	*
				-40.00000	-28.00000	99.75000	0.0	0.0	0.0044627	*
				-39.00000	-28.00000	99.75000	0.0	0.0	0.0020909	*
				-38.00000	-28.00000	99.75000	0.0	0.0	-348.50E-6	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-37.00000	-28.00000	99.75000	0.0	0.0	-0.0028433	*
				-36.00000	-28.00000	99.75000	0.0	0.0	-0.0053799	*
				-35.00000	-28.00000	99.75000	0.0	0.0	-0.0079430	*
				-34.00000	-28.00000	99.75000	0.0	0.0	-0.010516	*
				-33.00000	-28.00000	99.75000	0.0	0.0	-0.013081	*
				-32.00000	-28.00000	99.75000	0.0	0.0	-0.015620	*
				-31.00000	-28.00000	99.75000	0.0	0.0	-0.018112	*
				-30.00000	-28.00000	99.75000	0.0	0.0	-0.020538	*
				-29.00000	-28.00000	99.75000	0.0	0.0	-0.022877	*
				-28.00000	-28.00000	99.75000	0.0	0.0	-0.025109	*
				-27.00000	-28.00000	99.75000	0.0	0.0	-0.027214	*
				-26.00000	-28.00000	99.75000	0.0	0.0	-0.029172	*
				-25.00000	-28.00000	99.75000	0.0	0.0	-0.030966	*
				-24.00000	-28.00000	99.75000	0.0	0.0	-0.032578	*
				-23.00000	-28.00000	99.75000	0.0	0.0	-0.033992	*
				-22.00000	-28.00000	99.75000	0.0	0.0	-0.035195	*
				-21.00000	-28.00000	99.75000	0.0	0.0	-0.036175	*
				-20.00000	-28.00000	99.75000	0.0	0.0	-0.036921	*
				-19.00000	-28.00000	99.75000	0.0	0.0	-0.037427	*
				-18.00000	-28.00000	99.75000	0.0	0.0	-0.037687	*
				-17.00000	-28.00000	99.75000	0.0	0.0	-0.037699	*
				-16.00000	-28.00000	99.75000	0.0	0.0	-0.037461	*
				-15.00000	-28.00000	99.75000	0.0	0.0	-0.036977	*
				-14.00000	-28.00000	99.75000	0.0	0.0	-0.036251	*
				-13.00000	-28.00000	99.75000	0.0	0.0	-0.035290	*
				-12.00000	-28.00000	99.75000	0.0	0.0	-0.034103	*
				-11.00000	-28.00000	99.75000	0.0	0.0	-0.032702	*
				-10.00000	-28.00000	99.75000	0.0	0.0	-0.031101	*
				-9.00000	-28.00000	99.75000	0.0	0.0	-0.029315	*
				-8.00000	-28.00000	99.75000	0.0	0.0	-0.027362	*
				-7.00000	-28.00000	99.75000	0.0	0.0	-0.025259	*
				-6.00000	-28.00000	99.75000	0.0	0.0	-0.023026	*
				-5.00000	-28.00000	99.75000	0.0	0.0	-0.020684	*
				-4.00000	-28.00000	99.75000	0.0	0.0	-0.018253	*
				-3.00000	-28.00000	99.75000	0.0	0.0	-0.015754	*
				-2.00000	-28.00000	99.75000	0.0	0.0	-0.013208	*
				-1.00000	-28.00000	99.75000	0.0	0.0	-0.010633	*
				0.00000	-28.00000	99.75000	0.0	0.0	-0.0080507	*
				1.00000	-28.00000	99.75000	0.0	0.0	-0.0054775	*
				2.00000	-28.00000	99.75000	0.0	0.0	-0.0029306	*
				3.00000	-28.00000	99.75000	0.0	0.0	-425.31E-6	*
				4.00000	-28.00000	99.75000	0.0	0.0	0.0020245	*
				5.00000	-28.00000	99.75000	0.0	0.0	0.0044068	*
				-40.00000	-27.00000	99.75000	0.0	0.0	584.65E-6	*
				-39.00000	-27.00000	99.75000	0.0	0.0	-0.0021134	*
				-38.00000	-27.00000	99.75000	0.0	0.0	-0.0048920	*
				-37.00000	-27.00000	99.75000	0.0	0.0	-0.0077374	*
				-36.00000	-27.00000	99.75000	0.0	0.0	-0.010634	*
				-35.00000	-27.00000	99.75000	0.0	0.0	-0.013565	*
				-34.00000	-27.00000	99.75000	0.0	0.0	-0.016511	*
				-33.00000	-27.00000	99.75000	0.0	0.0	-0.019451	*
				-32.00000	-27.00000	99.75000	0.0	0.0	-0.022363	*
				-31.00000	-27.00000	99.75000	0.0	0.0	-0.025226	*
				-30.00000	-27.00000	99.75000	0.0	0.0	-0.028014	*
				-29.00000	-27.00000	99.75000	0.0	0.0	-0.030705	*
				-28.00000	-27.00000	99.75000	0.0	0.0	-0.033275	*
				-27.00000	-27.00000	99.75000	0.0	0.0	-0.035699	*
				-26.00000	-27.00000	99.75000	0.0	0.0	-0.037957	*
				-25.00000	-27.00000	99.75000	0.0	0.0	-0.040025	*
				-24.00000	-27.00000	99.75000	0.0	0.0	-0.041884	*
				-23.00000	-27.00000	99.75000	0.0	0.0	-0.043517	*
				-22.00000	-27.00000	99.75000	0.0	0.0	-0.044905	*
				-21.00000	-27.00000	99.75000	0.0	0.0	-0.046037	*
				-20.00000	-27.00000	99.75000	0.0	0.0	-0.046899	*
				-19.00000	-27.00000	99.75000	0.0	0.0	-0.047484	*
				-18.00000	-27.00000	99.75000	0.0	0.0	-0.047785	*
				-17.00000	-27.00000	99.75000	0.0	0.0	-0.047798	*
				-16.00000	-27.00000	99.75000	0.0	0.0	-0.047525	*
				-15.00000	-27.00000	99.75000	0.0	0.0	-0.046966	*
				-14.00000	-27.00000	99.75000	0.0	0.0	-0.046128	*
				-13.00000	-27.00000	99.75000	0.0	0.0	-0.045018	*
				-12.00000	-27.00000	99.75000	0.0	0.0	-0.043649	*
				-11.00000	-27.00000	99.75000	0.0	0.0	-0.042032	*
				-10.00000	-27.00000	99.75000	0.0	0.0	-0.040185	*
				-9.00000	-27.00000	99.75000	0.0	0.0	-0.038126	*
				-8.00000	-27.00000	99.75000	0.0	0.0	-0.035874	*
				-7.00000	-27.00000	99.75000	0.0	0.0	-0.033451	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-6.00000	-27.00000	99.75000	0.0	0.0	-0.030880	*
				-5.00000	-27.00000	99.75000	0.0	0.0	-0.028185	*
				-4.00000	-27.00000	99.75000	0.0	0.0	-0.025391	*
				-3.00000	-27.00000	99.75000	0.0	0.0	-0.022521	*
				-2.00000	-27.00000	99.75000	0.0	0.0	-0.019599	*
				-1.00000	-27.00000	99.75000	0.0	0.0	-0.016649	*
				0.00000	-27.00000	99.75000	0.0	0.0	-0.013692	*
				1.00000	-27.00000	99.75000	0.0	0.0	-0.010751	*
				2.00000	-27.00000	99.75000	0.0	0.0	-0.0078426	*
				3.00000	-27.00000	99.75000	0.0	0.0	-0.0049861	*
				4.00000	-27.00000	99.75000	0.0	0.0	-0.0021966	*
				5.00000	-27.00000	99.75000	0.0	0.0	512.16E-6	*
				-40.00000	-26.00000	99.75000	0.0	0.0	-0.0036848	*
				-39.00000	-26.00000	99.75000	0.0	0.0	-0.0067508	*
				-38.00000	-26.00000	99.75000	0.0	0.0	-0.0099132	*
				-37.00000	-26.00000	99.75000	0.0	0.0	-0.013157	*
				-36.00000	-26.00000	99.75000	0.0	0.0	-0.016463	*
				-35.00000	-26.00000	99.75000	0.0	0.0	-0.019813	*
				-34.00000	-26.00000	99.75000	0.0	0.0	-0.023185	*
				-33.00000	-26.00000	99.75000	0.0	0.0	-0.026555	*
				-32.00000	-26.00000	99.75000	0.0	0.0	-0.029897	*
				-31.00000	-26.00000	99.75000	0.0	0.0	-0.033185	*
				-30.00000	-26.00000	99.75000	0.0	0.0	-0.036391	*
				-29.00000	-26.00000	99.75000	0.0	0.0	-0.039488	*
				-28.00000	-26.00000	99.75000	0.0	0.0	-0.042448	*
				-27.00000	-26.00000	99.75000	0.0	0.0	-0.045242	*
				-26.00000	-26.00000	99.75000	0.0	0.0	-0.047845	*
				-25.00000	-26.00000	99.75000	0.0	0.0	-0.050232	*
				-24.00000	-26.00000	99.75000	0.0	0.0	-0.052378	*
				-23.00000	-26.00000	99.75000	0.0	0.0	-0.054262	*
				-22.00000	-26.00000	99.75000	0.0	0.0	-0.055866	*
				-21.00000	-26.00000	99.75000	0.0	0.0	-0.057173	*
				-20.00000	-26.00000	99.75000	0.0	0.0	-0.058170	*
				-19.00000	-26.00000	99.75000	0.0	0.0	-0.058846	*
				-18.00000	-26.00000	99.75000	0.0	0.0	-0.059194	*
				-17.00000	-26.00000	99.75000	0.0	0.0	-0.059211	*
				-16.00000	-26.00000	99.75000	0.0	0.0	-0.058895	*
				-15.00000	-26.00000	99.75000	0.0	0.0	-0.058250	*
				-14.00000	-26.00000	99.75000	0.0	0.0	-0.057282	*
				-13.00000	-26.00000	99.75000	0.0	0.0	-0.056001	*
				-12.00000	-26.00000	99.75000	0.0	0.0	-0.054419	*
				-11.00000	-26.00000	99.75000	0.0	0.0	-0.052553	*
				-10.00000	-26.00000	99.75000	0.0	0.0	-0.050420	*
				-9.00000	-26.00000	99.75000	0.0	0.0	-0.048044	*
				-8.00000	-26.00000	99.75000	0.0	0.0	-0.045446	*
				-7.00000	-26.00000	99.75000	0.0	0.0	-0.042653	*
				-6.00000	-26.00000	99.75000	0.0	0.0	-0.039691	*
				-5.00000	-26.00000	99.75000	0.0	0.0	-0.036589	*
				-4.00000	-26.00000	99.75000	0.0	0.0	-0.033375	*
				-3.00000	-26.00000	99.75000	0.0	0.0	-0.030078	*
				-2.00000	-26.00000	99.75000	0.0	0.0	-0.026725	*
				-1.00000	-26.00000	99.75000	0.0	0.0	-0.023344	*
				0.00000	-26.00000	99.75000	0.0	0.0	-0.019960	*
				1.00000	-26.00000	99.75000	0.0	0.0	-0.016597	*
				2.00000	-26.00000	99.75000	0.0	0.0	-0.013279	*
				3.00000	-26.00000	99.75000	0.0	0.0	-0.010024	*
				4.00000	-26.00000	99.75000	0.0	0.0	-0.0068504	*
				5.00000	-26.00000	99.75000	0.0	0.0	-0.0037736	*
				-40.00000	-25.00000	99.75000	0.0	0.0	-0.0083764	*
				-39.00000	-25.00000	99.75000	0.0	0.0	-0.011858	*
				-38.00000	-25.00000	99.75000	0.0	0.0	-0.015455	*
				-37.00000	-25.00000	99.75000	0.0	0.0	-0.019150	*
				-36.00000	-25.00000	99.75000	0.0	0.0	-0.022924	*
				-35.00000	-25.00000	99.75000	0.0	0.0	-0.026754	*
				-34.00000	-25.00000	99.75000	0.0	0.0	-0.030614	*
				-33.00000	-25.00000	99.75000	0.0	0.0	-0.034477	*
				-32.00000	-25.00000	99.75000	0.0	0.0	-0.038313	*
				-31.00000	-25.00000	99.75000	0.0	0.0	-0.042092	*
				-30.00000	-25.00000	99.75000	0.0	0.0	-0.045781	*
				-29.00000	-25.00000	99.75000	0.0	0.0	-0.049347	*
				-28.00000	-25.00000	99.75000	0.0	0.0	-0.052758	*
				-27.00000	-25.00000	99.75000	0.0	0.0	-0.055981	*
				-26.00000	-25.00000	99.75000	0.0	0.0	-0.058985	*
				-25.00000	-25.00000	99.75000	0.0	0.0	-0.061740	*
				-24.00000	-25.00000	99.75000	0.0	0.0	-0.064219	*
				-23.00000	-25.00000	99.75000	0.0	0.0	-0.066397	*
				-22.00000	-25.00000	99.75000	0.0	0.0	-0.068251	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-21.00000	-25.00000	99.75000	0.0	0.0	-0.069762	*
				-20.00000	-25.00000	99.75000	0.0	0.0	-0.070914	*
				-19.00000	-25.00000	99.75000	0.0	0.0	-0.071696	*
				-18.00000	-25.00000	99.75000	0.0	0.0	-0.072099	*
				-17.00000	-25.00000	99.75000	0.0	0.0	-0.072119	*
				-16.00000	-25.00000	99.75000	0.0	0.0	-0.071754	*
				-15.00000	-25.00000	99.75000	0.0	0.0	-0.071009	*
				-14.00000	-25.00000	99.75000	0.0	0.0	-0.069890	*
				-13.00000	-25.00000	99.75000	0.0	0.0	-0.068409	*
				-12.00000	-25.00000	99.75000	0.0	0.0	-0.066581	*
				-11.00000	-25.00000	99.75000	0.0	0.0	-0.064424	*
				-10.00000	-25.00000	99.75000	0.0	0.0	-0.061961	*
				-9.00000	-25.00000	99.75000	0.0	0.0	-0.059216	*
				-8.00000	-25.00000	99.75000	0.0	0.0	-0.056217	*
				-7.00000	-25.00000	99.75000	0.0	0.0	-0.052994	*
				-6.00000	-25.00000	99.75000	0.0	0.0	-0.049580	*
				-5.00000	-25.00000	99.75000	0.0	0.0	-0.046006	*
				-4.00000	-25.00000	99.75000	0.0	0.0	-0.042307	*
				-3.00000	-25.00000	99.75000	0.0	0.0	-0.038517	*
				-2.00000	-25.00000	99.75000	0.0	0.0	-0.034667	*
				-1.00000	-25.00000	99.75000	0.0	0.0	-0.030791	*
				0.00000	-25.00000	99.75000	0.0	0.0	-0.026917	*
				1.00000	-25.00000	99.75000	0.0	0.0	-0.023074	*
				2.00000	-25.00000	99.75000	0.0	0.0	-0.019288	*
				3.00000	-25.00000	99.75000	0.0	0.0	-0.015581	*
				4.00000	-25.00000	99.75000	0.0	0.0	-0.011972	*
				5.00000	-25.00000	99.75000	0.0	0.0	-0.0084804	*
				-40.00000	-24.00000	99.75000	0.0	0.0	-0.013523	*
				-39.00000	-24.00000	99.75000	0.0	0.0	-0.017474	*
				-38.00000	-24.00000	99.75000	0.0	0.0	-0.021563	*
				-37.00000	-24.00000	99.75000	0.0	0.0	-0.025773	*
				-36.00000	-24.00000	99.75000	0.0	0.0	-0.030080	*
				-35.00000	-24.00000	99.75000	0.0	0.0	-0.034458	*
				-34.00000	-24.00000	99.75000	0.0	0.0	-0.038879	*
				-33.00000	-24.00000	99.75000	0.0	0.0	-0.043309	*
				-32.00000	-24.00000	99.75000	0.0	0.0	-0.047716	*
				-31.00000	-24.00000	99.75000	0.0	0.0	-0.052062	*
				-30.00000	-24.00000	99.75000	0.0	0.0	-0.056309	*
				-29.00000	-24.00000	99.75000	0.0	0.0	-0.060420	*
				-28.00000	-24.00000	99.75000	0.0	0.0	-0.064354	*
				-27.00000	-24.00000	99.75000	0.0	0.0	-0.068075	*
				-26.00000	-24.00000	99.75000	0.0	0.0	-0.071545	*
				-25.00000	-24.00000	99.75000	0.0	0.0	-0.074729	*
				-24.00000	-24.00000	99.75000	0.0	0.0	-0.077596	*
				-23.00000	-24.00000	99.75000	0.0	0.0	-0.080114	*
				-22.00000	-24.00000	99.75000	0.0	0.0	-0.082259	*
				-21.00000	-24.00000	99.75000	0.0	0.0	-0.084007	*
				-20.00000	-24.00000	99.75000	0.0	0.0	-0.085341	*
				-19.00000	-24.00000	99.75000	0.0	0.0	-0.086246	*
				-18.00000	-24.00000	99.75000	0.0	0.0	-0.086713	*
				-17.00000	-24.00000	99.75000	0.0	0.0	-0.086736	*
				-16.00000	-24.00000	99.75000	0.0	0.0	-0.086315	*
				-15.00000	-24.00000	99.75000	0.0	0.0	-0.085453	*
				-14.00000	-24.00000	99.75000	0.0	0.0	-0.084158	*
				-13.00000	-24.00000	99.75000	0.0	0.0	-0.082445	*
				-12.00000	-24.00000	99.75000	0.0	0.0	-0.080330	*
				-11.00000	-24.00000	99.75000	0.0	0.0	-0.077835	*
				-10.00000	-24.00000	99.75000	0.0	0.0	-0.074986	*
				-9.00000	-24.00000	99.75000	0.0	0.0	-0.071812	*
				-8.00000	-24.00000	99.75000	0.0	0.0	-0.068346	*
				-7.00000	-24.00000	99.75000	0.0	0.0	-0.064624	*
				-6.00000	-24.00000	99.75000	0.0	0.0	-0.060683	*
				-5.00000	-24.00000	99.75000	0.0	0.0	-0.056562	*
				-4.00000	-24.00000	99.75000	0.0	0.0	-0.052302	*
				-3.00000	-24.00000	99.75000	0.0	0.0	-0.047941	*
				-2.00000	-24.00000	99.75000	0.0	0.0	-0.043518	*
				-1.00000	-24.00000	99.75000	0.0	0.0	-0.039071	*
				0.00000	-24.00000	99.75000	0.0	0.0	-0.034636	*
				1.00000	-24.00000	99.75000	0.0	0.0	-0.030243	*
				2.00000	-24.00000	99.75000	0.0	0.0	-0.025923	*
				3.00000	-24.00000	99.75000	0.0	0.0	-0.021701	*
				4.00000	-24.00000	99.75000	0.0	0.0	-0.017601	*
				5.00000	-24.00000	99.75000	0.0	0.0	-0.013640	*
				-40.00000	-23.00000	99.75000	0.0	0.0	-0.019159	*
				-39.00000	-23.00000	99.75000	0.0	0.0	-0.023640	*
				-38.00000	-23.00000	99.75000	0.0	0.0	-0.028289	*
				-37.00000	-23.00000	99.75000	0.0	0.0	-0.033085	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-36.00000	-23.00000	99.75000	0.0	0.0	-0.038001	*
				-35.00000	-23.00000	99.75000	0.0	0.0	-0.043009	*
				-34.00000	-23.00000	99.75000	0.0	0.0	-0.048074	*
				-33.00000	-23.00000	99.75000	0.0	0.0	-0.053160	*
				-32.00000	-23.00000	99.75000	0.0	0.0	-0.058226	*
				-31.00000	-23.00000	99.75000	0.0	0.0	-0.063229	*
				-30.00000	-23.00000	99.75000	0.0	0.0	-0.068125	*
				-29.00000	-23.00000	99.75000	0.0	0.0	-0.072868	*
				-28.00000	-23.00000	99.75000	0.0	0.0	-0.077413	*
				-27.00000	-23.00000	99.75000	0.0	0.0	-0.081713	*
				-26.00000	-23.00000	99.75000	0.0	0.0	-0.085726	*
				-25.00000	-23.00000	99.75000	0.0	0.0	-0.089410	*
				-24.00000	-23.00000	99.75000	0.0	0.0	-0.092728	*
				-23.00000	-23.00000	99.75000	0.0	0.0	-0.095644	*
				-22.00000	-23.00000	99.75000	0.0	0.0	-0.098127	*
				-21.00000	-23.00000	99.75000	0.0	0.0	-0.10015	*
				-20.00000	-23.00000	99.75000	0.0	0.0	-0.10170	*
				-19.00000	-23.00000	99.75000	0.0	0.0	-0.10275	*
				-18.00000	-23.00000	99.75000	0.0	0.0	-0.10329	*
				-17.00000	-23.00000	99.75000	0.0	0.0	-0.10331	*
				-16.00000	-23.00000	99.75000	0.0	0.0	-0.10283	*
				-15.00000	-23.00000	99.75000	0.0	0.0	-0.10183	*
				-14.00000	-23.00000	99.75000	0.0	0.0	-0.10033	*
				-13.00000	-23.00000	99.75000	0.0	0.0	-0.098346	*
				-12.00000	-23.00000	99.75000	0.0	0.0	-0.095896	*
				-11.00000	-23.00000	99.75000	0.0	0.0	-0.093006	*
				-10.00000	-23.00000	99.75000	0.0	0.0	-0.089707	*
				-9.00000	-23.00000	99.75000	0.0	0.0	-0.086032	*
				-8.00000	-23.00000	99.75000	0.0	0.0	-0.082022	*
				-7.00000	-23.00000	99.75000	0.0	0.0	-0.077717	*
				-6.00000	-23.00000	99.75000	0.0	0.0	-0.073162	*
				-5.00000	-23.00000	99.75000	0.0	0.0	-0.068404	*
				-4.00000	-23.00000	99.75000	0.0	0.0	-0.063490	*
				-3.00000	-23.00000	99.75000	0.0	0.0	-0.058468	*
				-2.00000	-23.00000	99.75000	0.0	0.0	-0.053382	*
				-1.00000	-23.00000	99.75000	0.0	0.0	-0.048277	*
				0.00000	-23.00000	99.75000	0.0	0.0	-0.043195	*
				1.00000	-23.00000	99.75000	0.0	0.0	-0.038171	*
				2.00000	-23.00000	99.75000	0.0	0.0	-0.033241	*
				3.00000	-23.00000	99.75000	0.0	0.0	-0.028434	*
				4.00000	-23.00000	99.75000	0.0	0.0	-0.023776	*
				5.00000	-23.00000	99.75000	0.0	0.0	-0.019286	*
				-40.00000	-22.00000	99.75000	0.0	0.0	-0.025320	*
				-39.00000	-22.00000	99.75000	0.0	0.0	-0.030402	*
				-38.00000	-22.00000	99.75000	0.0	0.0	-0.035687	*
				-37.00000	-22.00000	99.75000	0.0	0.0	-0.041151	*
				-36.00000	-22.00000	99.75000	0.0	0.0	-0.046766	*
				-35.00000	-22.00000	99.75000	0.0	0.0	-0.052497	*
				-34.00000	-22.00000	99.75000	0.0	0.0	-0.058307	*
				-33.00000	-22.00000	99.75000	0.0	0.0	-0.064150	*
				-32.00000	-22.00000	99.75000	0.0	0.0	-0.069981	*
				-31.00000	-22.00000	99.75000	0.0	0.0	-0.075749	*
				-30.00000	-22.00000	99.75000	0.0	0.0	-0.081400	*
				-29.00000	-22.00000	99.75000	0.0	0.0	-0.086881	*
				-28.00000	-22.00000	99.75000	0.0	0.0	-0.092136	*
				-27.00000	-22.00000	99.75000	0.0	0.0	-0.097114	*
				-26.00000	-22.00000	99.75000	0.0	0.0	-0.10176	*
				-25.00000	-22.00000	99.75000	0.0	0.0	-0.10603	*
				-24.00000	-22.00000	99.75000	0.0	0.0	-0.10987	*
				-23.00000	-22.00000	99.75000	0.0	0.0	-0.11325	*
				-22.00000	-22.00000	99.75000	0.0	0.0	-0.11613	*
				-21.00000	-22.00000	99.75000	0.0	0.0	-0.11848	*
				-20.00000	-22.00000	99.75000	0.0	0.0	-0.12027	*
				-19.00000	-22.00000	99.75000	0.0	0.0	-0.12149	*
				-18.00000	-22.00000	99.75000	0.0	0.0	-0.12212	*
				-17.00000	-22.00000	99.75000	0.0	0.0	-0.12215	*
				-16.00000	-22.00000	99.75000	0.0	0.0	-0.12159	*
				-15.00000	-22.00000	99.75000	0.0	0.0	-0.12043	*
				-14.00000	-22.00000	99.75000	0.0	0.0	-0.11869	*
				-13.00000	-22.00000	99.75000	0.0	0.0	-0.11639	*
				-12.00000	-22.00000	99.75000	0.0	0.0	-0.11355	*
				-11.00000	-22.00000	99.75000	0.0	0.0	-0.11020	*
				-10.00000	-22.00000	99.75000	0.0	0.0	-0.10637	*
				-9.00000	-22.00000	99.75000	0.0	0.0	-0.10211	*
				-8.00000	-22.00000	99.75000	0.0	0.0	-0.097462	*
				-7.00000	-22.00000	99.75000	0.0	0.0	-0.092475	*
				-6.00000	-22.00000	99.75000	0.0	0.0	-0.087203	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-5.00000	-22.00000	99.75000	0.0	0.0	-0.081701	*
				-4.00000	-22.00000	99.75000	0.0	0.0	-0.076026	*
				-3.00000	-22.00000	99.75000	0.0	0.0	-0.070233	*
				-2.00000	-22.00000	99.75000	0.0	0.0	-0.064378	*
				-1.00000	-22.00000	99.75000	0.0	0.0	-0.058511	*
				0.00000	-22.00000	99.75000	0.0	0.0	-0.052682	*
				1.00000	-22.00000	99.75000	0.0	0.0	-0.046934	*
				2.00000	-22.00000	99.75000	0.0	0.0	-0.041306	*
				3.00000	-22.00000	99.75000	0.0	0.0	-0.035832	*
				4.00000	-22.00000	99.75000	0.0	0.0	-0.030540	*
				5.00000	-22.00000	99.75000	0.0	0.0	-0.025452	*
				-40.00000	-21.00000	99.75000	0.0	0.0	-0.032046	*
				-39.00000	-21.00000	99.75000	0.0	0.0	-0.037807	*
				-38.00000	-21.00000	99.75000	0.0	0.0	-0.043815	*
				-37.00000	-21.00000	99.75000	0.0	0.0	-0.050044	*
				-36.00000	-21.00000	99.75000	0.0	0.0	-0.056460	*
				-35.00000	-21.00000	99.75000	0.0	0.0	-0.063026	*
				-34.00000	-21.00000	99.75000	0.0	0.0	-0.069696	*
				-33.00000	-21.00000	99.75000	0.0	0.0	-0.076420	*
				-32.00000	-21.00000	99.75000	0.0	0.0	-0.083141	*
				-31.00000	-21.00000	99.75000	0.0	0.0	-0.089800	*
				-30.00000	-21.00000	99.75000	0.0	0.0	-0.096334	*
				-29.00000	-21.00000	99.75000	0.0	0.0	-0.10268	*
				-28.00000	-21.00000	99.75000	0.0	0.0	-0.10877	*
				-27.00000	-21.00000	99.75000	0.0	0.0	-0.11454	*
				-26.00000	-21.00000	99.75000	0.0	0.0	-0.11993	*
				-25.00000	-21.00000	99.75000	0.0	0.0	-0.12488	*
				-24.00000	-21.00000	99.75000	0.0	0.0	-0.12934	*
				-23.00000	-21.00000	99.75000	0.0	0.0	-0.13327	*
				-22.00000	-21.00000	99.75000	0.0	0.0	-0.13661	*
				-21.00000	-21.00000	99.75000	0.0	0.0	-0.13934	*
				-20.00000	-21.00000	99.75000	0.0	0.0	-0.14142	*
				-19.00000	-21.00000	99.75000	0.0	0.0	-0.14283	*
				-18.00000	-21.00000	99.75000	0.0	0.0	-0.14356	*
				-17.00000	-21.00000	99.75000	0.0	0.0	-0.14360	*
				-16.00000	-21.00000	99.75000	0.0	0.0	-0.14294	*
				-15.00000	-21.00000	99.75000	0.0	0.0	-0.14160	*
				-14.00000	-21.00000	99.75000	0.0	0.0	-0.13958	*
				-13.00000	-21.00000	99.75000	0.0	0.0	-0.13691	*
				-12.00000	-21.00000	99.75000	0.0	0.0	-0.13361	*
				-11.00000	-21.00000	99.75000	0.0	0.0	-0.12972	*
				-10.00000	-21.00000	99.75000	0.0	0.0	-0.12527	*
				-9.00000	-21.00000	99.75000	0.0	0.0	-0.12032	*
				-8.00000	-21.00000	99.75000	0.0	0.0	-0.11493	*
				-7.00000	-21.00000	99.75000	0.0	0.0	-0.10914	*
				-6.00000	-21.00000	99.75000	0.0	0.0	-0.10302	*
				-5.00000	-21.00000	99.75000	0.0	0.0	-0.096650	*
				-4.00000	-21.00000	99.75000	0.0	0.0	-0.090084	*
				-3.00000	-21.00000	99.75000	0.0	0.0	-0.083392	*
				-2.00000	-21.00000	99.75000	0.0	0.0	-0.076640	*
				-1.00000	-21.00000	99.75000	0.0	0.0	-0.069890	*
				0.00000	-21.00000	99.75000	0.0	0.0	-0.063197	*
				1.00000	-21.00000	99.75000	0.0	0.0	-0.056615	*
				2.00000	-21.00000	99.75000	0.0	0.0	-0.050186	*
				3.00000	-21.00000	99.75000	0.0	0.0	-0.043950	*
				4.00000	-21.00000	99.75000	0.0	0.0	-0.037938	*
				5.00000	-21.00000	99.75000	0.0	0.0	-0.032175	*
				-40.00000	-20.00000	99.75000	0.0	0.0	-0.039373	*
				-39.00000	-20.00000	99.75000	0.0	0.0	-0.045906	*
				-38.00000	-20.00000	99.75000	0.0	0.0	-0.052738	*
				-37.00000	-20.00000	99.75000	0.0	0.0	-0.059843	*
				-36.00000	-20.00000	99.75000	0.0	0.0	-0.067182	*
				-35.00000	-20.00000	99.75000	0.0	0.0	-0.074713	*
				-34.00000	-20.00000	99.75000	0.0	0.0	-0.082382	*
				-33.00000	-20.00000	99.75000	0.0	0.0	-0.090130	*
				-32.00000	-20.00000	99.75000	0.0	0.0	-0.097891	*
				-31.00000	-20.00000	99.75000	0.0	0.0	-0.10559	*
				-30.00000	-20.00000	99.75000	0.0	0.0	-0.11316	*
				-29.00000	-20.00000	99.75000	0.0	0.0	-0.12052	*
				-28.00000	-20.00000	99.75000	0.0	0.0	-0.12759	*
				-27.00000	-20.00000	99.75000	0.0	0.0	-0.13429	*
				-26.00000	-20.00000	99.75000	0.0	0.0	-0.14056	*
				-25.00000	-20.00000	99.75000	0.0	0.0	-0.14632	*
				-24.00000	-20.00000	99.75000	0.0	0.0	-0.15151	*
				-23.00000	-20.00000	99.75000	0.0	0.0	-0.15607	*
				-22.00000	-20.00000	99.75000	0.0	0.0	-0.15995	*
				-21.00000	-20.00000	99.75000	0.0	0.0	-0.16312	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-20.00000	-20.00000	99.75000	0.0	0.0	-0.16554	*
				-19.00000	-20.00000	99.75000	0.0	0.0	-0.16718	*
				-18.00000	-20.00000	99.75000	0.0	0.0	-0.16803	*
				-17.00000	-20.00000	99.75000	0.0	0.0	-0.16807	*
				-16.00000	-20.00000	99.75000	0.0	0.0	-0.16731	*
				-15.00000	-20.00000	99.75000	0.0	0.0	-0.16575	*
				-14.00000	-20.00000	99.75000	0.0	0.0	-0.16341	*
				-13.00000	-20.00000	99.75000	0.0	0.0	-0.16030	*
				-12.00000	-20.00000	99.75000	0.0	0.0	-0.15646	*
				-11.00000	-20.00000	99.75000	0.0	0.0	-0.15193	*
				-10.00000	-20.00000	99.75000	0.0	0.0	-0.14676	*
				-9.00000	-20.00000	99.75000	0.0	0.0	-0.14100	*
				-8.00000	-20.00000	99.75000	0.0	0.0	-0.13472	*
				-7.00000	-20.00000	99.75000	0.0	0.0	-0.12799	*
				-6.00000	-20.00000	99.75000	0.0	0.0	-0.12088	*
				-5.00000	-20.00000	99.75000	0.0	0.0	-0.11348	*
				-4.00000	-20.00000	99.75000	0.0	0.0	-0.10587	*
				-3.00000	-20.00000	99.75000	0.0	0.0	-0.098123	*
				-2.00000	-20.00000	99.75000	0.0	0.0	-0.090323	*
				-1.00000	-20.00000	99.75000	0.0	0.0	-0.082543	*
				0.00000	-20.00000	99.75000	0.0	0.0	-0.074850	*
				1.00000	-20.00000	99.75000	0.0	0.0	-0.067303	*
				2.00000	-20.00000	99.75000	0.0	0.0	-0.059955	*
				3.00000	-20.00000	99.75000	0.0	0.0	-0.052848	*
				4.00000	-20.00000	99.75000	0.0	0.0	-0.046017	*
				5.00000	-20.00000	99.75000	0.0	0.0	-0.039490	*
				-40.00000	-19.00000	99.75000	0.0	0.0	-0.047343	*
				-39.00000	-19.00000	99.75000	0.0	0.0	-0.054750	*
				-38.00000	-19.00000	99.75000	0.0	0.0	-0.062524	*
				-37.00000	-19.00000	99.75000	0.0	0.0	-0.070634	*
				-36.00000	-19.00000	99.75000	0.0	0.0	-0.079039	*
				-35.00000	-19.00000	99.75000	0.0	0.0	-0.087688	*
				-34.00000	-19.00000	99.75000	0.0	0.0	-0.096521	*
				-33.00000	-19.00000	99.75000	0.0	0.0	-0.10547	*
				-32.00000	-19.00000	99.75000	0.0	0.0	-0.11445	*
				-31.00000	-19.00000	99.75000	0.0	0.0	-0.12338	*
				-30.00000	-19.00000	99.75000	0.0	0.0	-0.13217	*
				-29.00000	-19.00000	99.75000	0.0	0.0	-0.14072	*
				-28.00000	-19.00000	99.75000	0.0	0.0	-0.14894	*
				-27.00000	-19.00000	99.75000	0.0	0.0	-0.15675	*
				-26.00000	-19.00000	99.75000	0.0	0.0	-0.16405	*
				-25.00000	-19.00000	99.75000	0.0	0.0	-0.17076	*
				-24.00000	-19.00000	99.75000	0.0	0.0	-0.17680	*
				-23.00000	-19.00000	99.75000	0.0	0.0	-0.18211	*
				-22.00000	-19.00000	99.75000	0.0	0.0	-0.18664	*
				-21.00000	-19.00000	99.75000	0.0	0.0	-0.19032	*
				-20.00000	-19.00000	99.75000	0.0	0.0	-0.19314	*
				-19.00000	-19.00000	99.75000	0.0	0.0	-0.19505	*
				-18.00000	-19.00000	99.75000	0.0	0.0	-0.19603	*
				-17.00000	-19.00000	99.75000	0.0	0.0	-0.19609	*
				-16.00000	-19.00000	99.75000	0.0	0.0	-0.19520	*
				-15.00000	-19.00000	99.75000	0.0	0.0	-0.19339	*
				-14.00000	-19.00000	99.75000	0.0	0.0	-0.19066	*
				-13.00000	-19.00000	99.75000	0.0	0.0	-0.18704	*
				-12.00000	-19.00000	99.75000	0.0	0.0	-0.18257	*
				-11.00000	-19.00000	99.75000	0.0	0.0	-0.17729	*
				-10.00000	-19.00000	99.75000	0.0	0.0	-0.17126	*
				-9.00000	-19.00000	99.75000	0.0	0.023867	-0.16454	*
				-8.00000	-19.00000	99.75000	0.0	0.037500	-0.15722	*
				-7.00000	-19.00000	99.75000	-999.90E-6	0.033866	-0.14937	*
				-6.00000	-19.00000	99.75000	-805.92E-6	0.0088635	-0.14109	*
				-5.00000	-19.00000	99.75000	0.0	0.0	-0.13247	*
				-4.00000	-19.00000	99.75000	0.0	0.0	-0.12362	*
				-3.00000	-19.00000	99.75000	0.0	0.0	-0.11463	*
				-2.00000	-19.00000	99.75000	0.0	0.0	-0.10560	*
				-1.00000	-19.00000	99.75000	0.0	0.0	-0.096621	*
				0.00000	-19.00000	99.75000	0.0	0.0	-0.087762	*
				1.00000	-19.00000	99.75000	0.0	0.0	-0.079099	*
				2.00000	-19.00000	99.75000	0.0	0.0	-0.070691	*
				3.00000	-19.00000	99.75000	0.0	0.0	-0.062587	*
				4.00000	-19.00000	99.75000	0.0	0.0	-0.054825	*
				5.00000	-19.00000	99.75000	0.0	0.0	-0.047433	*
				-40.00000	-18.00000	99.75000	0.0	0.0	-0.055994	*
				-39.00000	-18.00000	99.75000	0.0	0.0	-0.064396	*
				-38.00000	-18.00000	99.75000	0.0	0.0	-0.073246	*
				-37.00000	-18.00000	99.75000	0.0	0.0	-0.082513	*
				-36.00000	-18.00000	99.75000	0.0	0.0	-0.092151	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-35.00000	-18.00000	99.75000	0.0	0.0	-0.10210	*
				-34.00000	-18.00000	99.75000	0.0	0.0	-0.11230	*
				-33.00000	-18.00000	99.75000	0.0	0.0	-0.12265	*
				-32.00000	-18.00000	99.75000	0.0	0.0	-0.13307	*
				-31.00000	-18.00000	99.75000	0.0	0.0	-0.14345	*
				-30.00000	-18.00000	99.75000	0.0	0.0	-0.15368	*
				-29.00000	-18.00000	99.75000	0.0	0.0	-0.16365	*
				-28.00000	-18.00000	99.75000	0.0	0.0	-0.17325	*
				-27.00000	-18.00000	99.75000	0.0	0.0	-0.18236	*
				-26.00000	-18.00000	99.75000	0.0	0.0	-0.19088	*
				-25.00000	-18.00000	99.75000	0.0	0.0	-0.19871	*
				-24.00000	-18.00000	99.75000	0.0	0.0	-0.20576	*
				-23.00000	-18.00000	99.75000	0.0	0.0	-0.21196	*
				-22.00000	-18.00000	99.75000	0.0	0.0	-0.21724	*
				-21.00000	-18.00000	99.75000	0.0	0.0	-0.22153	*
				-20.00000	-18.00000	99.75000	0.0	0.0	-0.22481	*
				-19.00000	-18.00000	99.75000	0.0	0.0	-0.22704	*
				-18.00000	-18.00000	99.75000	0.0	0.0	-0.22819	*
				-17.00000	-18.00000	99.75000	0.0	0.0	-0.22825	*
				-16.00000	-18.00000	99.75000	0.0	0.0	-0.22722	*
				-15.00000	-18.00000	99.75000	0.0	0.0	-0.22510	*
				-14.00000	-18.00000	99.75000	0.0	0.0	-0.22192	*
				-13.00000	-18.00000	99.75000	0.0	0.066725	-0.21770	*
				-12.00000	-18.00000	99.75000	0.0	0.16512	-0.21249	*
				-11.00000	-18.00000	99.75000	0.0	0.25290	-0.20632	*
				-10.00000	-18.00000	99.75000	0.0	0.32618	-0.19927	*
				-9.00000	-18.00000	99.75000	0.0	0.38078	-0.19142	*
				-8.00000	-18.00000	99.75000	0.0	0.41250	-0.18286	*
				-7.00000	-18.00000	99.75000	-0.012764	0.40289	-0.17368	*
				-6.00000	-18.00000	99.75000	-0.035652	0.36480	-0.16400	*
				-5.00000	-18.00000	99.75000	-0.050777	0.30403	-0.15394	*
				-4.00000	-18.00000	99.75000	-0.053463	0.22365	-0.14363	*
				-3.00000	-18.00000	99.75000	-0.039702	0.12673	-0.13317	*
				-2.00000	-18.00000	99.75000	-0.0063039	0.016200	-0.12269	*
				-1.00000	-18.00000	99.75000	0.0	0.0	-0.11229	*
				0.00000	-18.00000	99.75000	0.0	0.0	-0.10207	*
				1.00000	-18.00000	99.75000	0.0	0.0	-0.092113	*
				2.00000	-18.00000	99.75000	0.0	0.0	-0.082482	*
				3.00000	-18.00000	99.75000	0.0	0.0	-0.073234	*
				4.00000	-18.00000	99.75000	0.0	0.0	-0.064411	*
				5.00000	-18.00000	99.75000	0.0	0.0	-0.056040	*
				-40.00000	-17.00000	99.75000	0.0	0.0	-0.065366	*
				-39.00000	-17.00000	99.75000	0.0	0.0	-0.074898	*
				-38.00000	-17.00000	99.75000	0.0	0.0	-0.084981	*
				-37.00000	-17.00000	99.75000	0.0	0.0	-0.095582	*
				-36.00000	-17.00000	99.75000	0.0	0.0	-0.10665	*
				-35.00000	-17.00000	99.75000	0.0	0.0	-0.11813	*
				-34.00000	-17.00000	99.75000	0.0	0.0	-0.12992	*
				-33.00000	-17.00000	99.75000	0.0	0.0	-0.14193	*
				-32.00000	-17.00000	99.75000	0.0	0.0	-0.15405	*
				-31.00000	-17.00000	99.75000	0.0	0.0	-0.16616	*
				-30.00000	-17.00000	99.75000	0.0	0.0	-0.17811	*
				-29.00000	-17.00000	99.75000	0.0	0.0	-0.18977	*
				-28.00000	-17.00000	99.75000	0.0	0.0	-0.20100	*
				-27.00000	-17.00000	99.75000	0.0	0.0	-0.21167	*
				-26.00000	-17.00000	99.75000	0.0	0.0	-0.22164	*
				-25.00000	-17.00000	99.75000	0.0	0.0	-0.23081	*
				-24.00000	-17.00000	99.75000	0.0	0.0	-0.23906	*
				-23.00000	-17.00000	99.75000	0.0	0.0	-0.24630	*
				-22.00000	-17.00000	99.75000	0.0	0.0	-0.25246	*
				-21.00000	-17.00000	99.75000	0.0	0.0	-0.25748	*
				-20.00000	-17.00000	99.75000	0.0	0.0	-0.26130	*
				-19.00000	-17.00000	99.75000	0.0	0.0	-0.26389	*
				-18.00000	-17.00000	99.75000	0.0	0.0	-0.26523	*
				-17.00000	-17.00000	99.75000	0.0	0.0	-0.26530	*
				-16.00000	-17.00000	99.75000	0.0	0.0	-0.26410	*
				-15.00000	-17.00000	99.75000	0.0	0.082826	-0.26163	*
				-14.00000	-17.00000	99.75000	0.0	0.20951	-0.25793	*
				-13.00000	-17.00000	99.75000	0.0	0.33401	-0.25300	*
				-12.00000	-17.00000	99.75000	0.0	0.45303	-0.24690	*
				-11.00000	-17.00000	99.75000	0.0	0.56263	-0.23969	*
				-10.00000	-17.00000	99.75000	0.0	0.65825	-0.23144	*
				-9.00000	-17.00000	99.75000	0.0	0.73492	-0.22223	*
				-8.00000	-17.00000	99.75000	0.0	0.78750	-0.21218	*
				-7.00000	-17.00000	99.75000	-0.026348	0.77098	-0.20142	*
				-6.00000	-17.00000	99.75000	-0.075822	0.71782	-0.19007	*
				-5.00000	-17.00000	99.75000	-0.11585	0.64084	-0.17828	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-4.00000	-17.00000	99.75000	-0.14082	0.54373	-0.16622	*
				-3.00000	-17.00000	99.75000	-0.14608	0.43017	-0.15401	*
				-2.00000	-17.00000	99.75000	-0.12804	0.30354	-0.14181	*
				-1.00000	-17.00000	99.75000	-0.084275	0.16688	-0.12975	*
				0.00000	-17.00000	99.75000	-0.013400	0.022773	-0.11793	*
				1.00000	-17.00000	99.75000	0.0	0.0	-0.10646	*
				2.00000	-17.00000	99.75000	0.0	0.0	-0.095417	*
				3.00000	-17.00000	99.75000	0.0	0.0	-0.084855	*
				4.00000	-17.00000	99.75000	0.0	0.0	-0.074821	*
				5.00000	-17.00000	99.75000	0.0	0.0	-0.065342	*
				-40.00000	-16.00000	99.75000	0.0	0.0	-0.075493	*
				-39.00000	-16.00000	99.75000	0.0	0.0	-0.086311	*
				-38.00000	-16.00000	99.75000	0.0	0.0	-0.097809	*
				-37.00000	-16.00000	99.75000	0.0	0.0	-0.10995	*
				-36.00000	-16.00000	99.75000	0.0	0.0	-0.12269	*
				-35.00000	-16.00000	99.75000	0.0	0.0	-0.13595	*
				-34.00000	-16.00000	99.75000	0.0	0.0	-0.14964	*
				-33.00000	-16.00000	99.75000	0.0	0.0	-0.16362	*
				-32.00000	-16.00000	99.75000	0.0	0.0	-0.17777	*
				-31.00000	-16.00000	99.75000	0.0	0.0	-0.19194	*
				-30.00000	-16.00000	99.75000	0.0	0.0	-0.20595	*
				-29.00000	-16.00000	99.75000	0.0	0.0	-0.21963	*
				-28.00000	-16.00000	99.75000	0.0	0.0	-0.23282	*
				-27.00000	-16.00000	99.75000	0.0	0.0	-0.24535	*
				-26.00000	-16.00000	99.75000	0.0	0.0	-0.25707	*
				-25.00000	-16.00000	99.75000	0.0	0.0	-0.26782	*
				-24.00000	-16.00000	99.75000	0.0	0.0	-0.27749	*
				-23.00000	-16.00000	99.75000	0.0	0.0	-0.28597	*
				-22.00000	-16.00000	99.75000	0.0	0.0	-0.29318	*
				-21.00000	-16.00000	99.75000	0.0	0.0	-0.29904	*
				-20.00000	-16.00000	99.75000	0.0	0.0	-0.30350	*
				-19.00000	-16.00000	99.75000	0.0	0.0	-0.30652	*
				-18.00000	-16.00000	99.75000	0.0	0.0	-0.30808	*
				-17.00000	-16.00000	99.75000	0.0	0.017607	-0.30816	*
				-16.00000	-16.00000	99.75000	0.0	0.15445	-0.30676	*
				-15.00000	-16.00000	99.75000	0.0	0.29614	-0.30389	*
				-14.00000	-16.00000	99.75000	0.0	0.44084	-0.29956	*
				-13.00000	-16.00000	99.75000	0.0	0.58591	-0.29380	*
				-12.00000	-16.00000	99.75000	0.0	0.72781	-0.28666	*
				-11.00000	-16.00000	99.75000	0.0	0.86206	-0.27821	*
				-10.00000	-16.00000	99.75000	0.0	0.98332	-0.26852	*
				-9.00000	-16.00000	99.75000	0.0	1.0856	-0.25770	*
				-8.00000	-16.00000	99.75000	0.0	1.1625	-0.24587	*
				-7.00000	-16.00000	99.75000	-0.042212	1.1379	-0.23320	*
				-6.00000	-16.00000	99.75000	-0.12263	1.0672	-0.21983	*
				-5.00000	-16.00000	99.75000	-0.19136	0.97149	-0.20597	*
				-4.00000	-16.00000	99.75000	-0.24161	0.85532	-0.19180	*
				-3.00000	-16.00000	99.75000	-0.26791	0.72306	-0.17750	*
				-2.00000	-16.00000	99.75000	-0.26630	0.57868	-0.16325	*
				-1.00000	-16.00000	99.75000	-0.23432	0.42559	-0.14921	*
				0.00000	-16.00000	99.75000	-0.17085	0.26659	-0.13551	*
				1.00000	-16.00000	99.75000	-0.075890	0.10390	-0.12228	*
				2.00000	-16.00000	99.75000	0.0	0.0	-0.10959	*
				3.00000	-16.00000	99.75000	0.0	0.0	-0.097517	*
				4.00000	-16.00000	99.75000	0.0	0.0	-0.086102	*
				5.00000	-16.00000	99.75000	0.0	0.0	-0.075369	*
				-40.00000	-15.00000	99.75000	0.0	0.0	-0.086406	*
				-39.00000	-15.00000	99.75000	0.0	0.0	-0.098689	*
				-38.00000	-15.00000	99.75000	0.0	0.0	-0.11181	*
				-37.00000	-15.00000	99.75000	0.0	0.0	-0.12575	*
				-36.00000	-15.00000	99.75000	0.0	0.0	-0.14044	*
				-35.00000	-15.00000	99.75000	0.0	0.0	-0.15581	*
				-34.00000	-15.00000	99.75000	0.0	0.0	-0.17174	*
				-33.00000	-15.00000	99.75000	0.0	0.0	-0.18808	*
				-32.00000	-15.00000	99.75000	0.0	0.0	-0.20467	*
				-31.00000	-15.00000	99.75000	0.0	0.0	-0.22132	*
				-30.00000	-15.00000	99.75000	0.0	0.0	-0.23781	*
				-29.00000	-15.00000	99.75000	0.0	0.0	-0.25394	*
				-28.00000	-15.00000	99.75000	0.0	0.0	-0.26950	*
				-27.00000	-15.00000	99.75000	0.0	0.0	-0.28427	*
				-26.00000	-15.00000	99.75000	0.0	0.0	-0.29807	*
				-25.00000	-15.00000	99.75000	0.0	0.0	-0.31073	*
				-24.00000	-15.00000	99.75000	0.0	0.0	-0.32209	*
				-23.00000	-15.00000	99.75000	0.0	0.0	-0.33204	*
				-22.00000	-15.00000	99.75000	0.0	0.0	-0.34048	*
				-21.00000	-15.00000	99.75000	0.0	0.0	-0.34733	*
				-20.00000	-15.00000	99.75000	0.0	0.0	-0.35253	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp: Grid: Ref.	Disp: Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-19.00000	-15.00000	99.75000	0.0	0.0	-0.35606	*
				-18.00000	-15.00000	99.75000	0.0	0.041092	-0.35787	*
				-17.00000	-15.00000	99.75000	0.0	0.18176	-0.35796	*
				-16.00000	-15.00000	99.75000	0.0	0.33113	-0.35633	*
				-15.00000	-15.00000	99.75000	0.0	0.48837	-0.35297	*
				-14.00000	-15.00000	99.75000	0.0	0.65189	-0.34792	*
				-13.00000	-15.00000	99.75000	0.0	0.81914	-0.34119	*
				-12.00000	-15.00000	99.75000	0.0	0.98638	-0.33283	*
				-11.00000	-15.00000	99.75000	0.0	1.1486	-0.32290	*
				-10.00000	-15.00000	99.75000	0.0	1.2995	-0.31149	*
				-9.00000	-15.00000	99.75000	0.0	1.4318	-0.29873	*
				-8.00000	-15.00000	99.75000	0.0	1.5375	-0.28476	*
				-7.00000	-15.00000	99.75000	-0.060980	1.5034	-0.26977	*
				-6.00000	-15.00000	99.75000	-0.17786	1.4120	-0.25397	*
				-5.00000	-15.00000	99.75000	-0.28000	1.2944	-0.23758	*
				-4.00000	-15.00000	99.75000	-0.35907	1.1563	-0.22086	*
				-3.00000	-15.00000	99.75000	-0.40863	1.0030	-0.20403	*
				-2.00000	-15.00000	99.75000	-0.42437	0.83907	-0.18731	*
				-1.00000	-15.00000	99.75000	-0.40399	0.66831	-0.17092	*
				0.00000	-15.00000	99.75000	-0.34688	0.49371	-0.15500	*
				1.00000	-15.00000	99.75000	-0.25376	0.31747	-0.13969	*
				2.00000	-15.00000	99.75000	-0.12621	0.14118	-0.12510	*
				3.00000	-15.00000	99.75000	0.0	0.0	-0.11129	*
				4.00000	-15.00000	99.75000	0.0	0.0	-0.098294	*
				5.00000	-15.00000	99.75000	0.0	0.0	-0.086144	*
				-40.00000	-14.00000	99.75000	0.0	0.0	-0.098126	*
				-39.00000	-14.00000	99.75000	0.0	0.0	-0.11208	*
				-38.00000	-14.00000	99.75000	0.0	0.0	-0.12707	*
				-37.00000	-14.00000	99.75000	0.0	0.0	-0.14309	*
				-36.00000	-14.00000	99.75000	0.0	0.0	-0.16008	*
				-35.00000	-14.00000	99.75000	0.0	0.0	-0.17795	*
				-34.00000	-14.00000	99.75000	0.0	0.0	-0.19656	*
				-33.00000	-14.00000	99.75000	0.0	0.0	-0.21575	*
				-32.00000	-14.00000	99.75000	0.0	0.0	-0.23529	*
				-31.00000	-14.00000	99.75000	0.0	0.0	-0.25496	*
				-30.00000	-14.00000	99.75000	0.0	0.0	-0.27448	*
				-29.00000	-14.00000	99.75000	0.0	0.0	-0.29358	*
				-28.00000	-14.00000	99.75000	0.0	0.0	-0.31201	*
				-27.00000	-14.00000	99.75000	0.0	0.0	-0.32950	*
				-26.00000	-14.00000	99.75000	0.0	0.0	-0.34582	*
				-25.00000	-14.00000	99.75000	0.0	0.0	-0.36076	*
				-24.00000	-14.00000	99.75000	0.0	0.0	-0.37415	*
				-23.00000	-14.00000	99.75000	0.0	0.0	-0.38585	*
				-22.00000	-14.00000	99.75000	0.0	0.0	-0.39574	*
				-21.00000	-14.00000	99.75000	0.0	0.0	-0.40375	*
				-20.00000	-14.00000	99.75000	0.0	0.0	-0.40982	*
				-19.00000	-14.00000	99.75000	0.0	0.035167	-0.41391	*
				-18.00000	-14.00000	99.75000	0.0	0.17296	-0.41602	*
				-17.00000	-14.00000	99.75000	0.0	0.32226	-0.41612	*
				-16.00000	-14.00000	99.75000	0.0	0.48329	-0.41422	*
				-15.00000	-14.00000	99.75000	0.0	0.65576	-0.41030	*
				-14.00000	-14.00000	99.75000	0.0	0.83855	-0.40440	*
				-13.00000	-14.00000	99.75000	0.0	1.0294	-0.39653	*
				-12.00000	-14.00000	99.75000	0.0	1.2247	-0.38672	*
				-11.00000	-14.00000	99.75000	0.0	1.4188	-0.37505	*
				-10.00000	-14.00000	99.75000	0.0	1.6043	-0.36160	*
				-9.00000	-14.00000	99.75000	0.0	1.7723	-0.34650	*
				-8.00000	-14.00000	99.75000	0.0	1.9125	-0.32993	*
				-7.00000	-14.00000	99.75000	-0.083529	1.8669	-0.31211	*
				-6.00000	-14.00000	99.75000	-0.24400	1.7508	-0.29332	*
				-5.00000	-14.00000	99.75000	-0.38544	1.6074	-0.27384	*
				-4.00000	-14.00000	99.75000	-0.49750	1.4440	-0.25399	*
				-3.00000	-14.00000	99.75000	-0.57264	1.2669	-0.23408	*
				-2.00000	-14.00000	99.75000	-0.60632	1.0815	-0.21439	*
				-1.00000	-14.00000	99.75000	-0.59675	0.89196	-0.19516	*
				0.00000	-14.00000	99.75000	-0.54422	0.70128	-0.17660	*
				1.00000	-14.00000	99.75000	-0.45051	0.51152	-0.15885	*
				2.00000	-14.00000	99.75000	-0.31832	0.32402	-0.14204	*
				3.00000	-14.00000	99.75000	-0.15079	0.13954	-0.12622	*
				4.00000	-14.00000	99.75000	0.0	0.0	-0.11143	*
				5.00000	-14.00000	99.75000	0.0	0.0	-0.097678	*
				-40.00000	-13.00000	99.75000	0.0	0.0	-0.11066	*
				-39.00000	-13.00000	99.75000	0.0	0.0	-0.12651	*
				-38.00000	-13.00000	99.75000	0.0	0.0	-0.14366	*
				-37.00000	-13.00000	99.75000	0.0	0.0	-0.16211	*
				-36.00000	-13.00000	99.75000	0.0	0.0	-0.18181	*
				-35.00000	-13.00000	99.75000	0.0	0.0	-0.20267	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-34.00000	-13.00000	99.75000	0.0	0.0	-0.22452	*
				-33.00000	-13.00000	99.75000	0.0	0.0	-0.24717	*
				-32.00000	-13.00000	99.75000	0.0	0.0	-0.27033	*
				-31.00000	-13.00000	99.75000	0.0	0.0	-0.29369	*
				-30.00000	-13.00000	99.75000	0.0	0.0	-0.31693	*
				-29.00000	-13.00000	99.75000	0.0	0.0	-0.33969	*
				-28.00000	-13.00000	99.75000	0.0	0.0	-0.36163	*
				-27.00000	-13.00000	99.75000	0.0	0.0	-0.38244	*
				-26.00000	-13.00000	99.75000	0.0	0.0	-0.40182	*
				-25.00000	-13.00000	99.75000	0.0	0.0	-0.41953	*
				-24.00000	-13.00000	99.75000	0.0	0.0	-0.43535	*
				-23.00000	-13.00000	99.75000	0.0	0.0	-0.44912	*
				-22.00000	-13.00000	99.75000	0.0	0.0	-0.46072	*
				-21.00000	-13.00000	99.75000	0.0	0.0	-0.47007	*
				-20.00000	-13.00000	99.75000	0.0	0.0091081	-0.47714	*
				-19.00000	-13.00000	99.75000	0.0	0.13811	-0.48189	*
				-18.00000	-13.00000	99.75000	0.0	0.28006	-0.48433	*
				-17.00000	-13.00000	99.75000	0.0	0.43611	-0.48443	*
				-16.00000	-13.00000	99.75000	0.0	0.60720	-0.48221	*
				-15.00000	-13.00000	99.75000	0.0	0.79384	-0.47765	*
				-14.00000	-13.00000	99.75000	0.0	0.99574	-0.47077	*
				-13.00000	-13.00000	99.75000	0.0	1.2114	-0.46156	*
				-12.00000	-13.00000	99.75000	0.0	1.4373	-0.45007	*
				-11.00000	-13.00000	99.75000	0.0	1.6677	-0.43633	*
				-10.00000	-13.00000	99.75000	0.0	1.8941	-0.42043	*
				-9.00000	-13.00000	99.75000	0.0	2.1051	-0.40250	*
				-8.00000	-13.00000	99.75000	0.0	2.2875	-0.38275	*
				-7.00000	-13.00000	99.75000	-0.11113	2.2279	-0.36146	*
				-6.00000	-13.00000	99.75000	-0.32458	2.0817	-0.33896	*
				-5.00000	-13.00000	99.75000	-0.51282	1.9075	-0.31565	*
				-4.00000	-13.00000	99.75000	-0.66277	1.7145	-0.29194	*
				-3.00000	-13.00000	99.75000	-0.76570	1.5106	-0.26823	*
				-2.00000	-13.00000	99.75000	-0.81725	1.3019	-0.24490	*
				-1.00000	-13.00000	99.75000	-0.81669	1.0927	-0.22225	*
				0.00000	-13.00000	99.75000	-0.76582	0.88593	-0.20053	*
				1.00000	-13.00000	99.75000	-0.66807	0.68317	-0.17991	*
				2.00000	-13.00000	99.75000	-0.52760	0.48533	-0.16050	*
				3.00000	-13.00000	99.75000	-0.34882	0.29273	-0.14237	*
				4.00000	-13.00000	99.75000	-0.13568	0.10553	-0.12553	*
				5.00000	-13.00000	99.75000	0.0	0.0	-0.10997	*
				-40.00000	-12.00000	99.75000	0.0	0.0	-0.12401	*
				-39.00000	-12.00000	99.75000	0.0	0.0	-0.14201	*
				-38.00000	-12.00000	99.75000	0.0	0.0	-0.16165	*
				-37.00000	-12.00000	99.75000	0.0	0.0	-0.18294	*
				-36.00000	-12.00000	99.75000	0.0	0.0	-0.20586	*
				-35.00000	-12.00000	99.75000	0.0	0.0	-0.23031	*
				-34.00000	-12.00000	99.75000	0.0	0.0	-0.25611	*
				-33.00000	-12.00000	99.75000	0.0	0.0	-0.28301	*
				-32.00000	-12.00000	99.75000	0.0	0.0	-0.31064	*
				-31.00000	-12.00000	99.75000	0.0	0.0	-0.33861	*
				-30.00000	-12.00000	99.75000	0.0	0.0	-0.36647	*
				-29.00000	-12.00000	99.75000	0.0	0.0	-0.39376	*
				-28.00000	-12.00000	99.75000	0.0	0.0	-0.42005	*
				-27.00000	-12.00000	99.75000	0.0	0.0	-0.44495	*
				-26.00000	-12.00000	99.75000	0.0	0.0	-0.46808	*
				-25.00000	-12.00000	99.75000	0.0	0.0	-0.48915	*
				-24.00000	-12.00000	99.75000	0.0	0.0	-0.50788	*
				-23.00000	-12.00000	99.75000	0.0	0.0	-0.52411	*
				-22.00000	-12.00000	99.75000	0.0	0.0	-0.53770	*
				-21.00000	-12.00000	99.75000	0.0	0.0	-0.54861	*
				-20.00000	-12.00000	99.75000	0.0	0.087986	-0.55680	*
				-19.00000	-12.00000	99.75000	0.0	0.21665	-0.56230	*
				-18.00000	-12.00000	99.75000	0.0	0.36010	-0.56509	*
				-17.00000	-12.00000	99.75000	0.0	0.52018	-0.56520	*
				-16.00000	-12.00000	99.75000	0.0	0.69876	-0.56260	*
				-15.00000	-12.00000	99.75000	0.0	0.89744	-0.55730	*
				-14.00000	-12.00000	99.75000	0.0	1.1172	-0.54929	*
				-13.00000	-12.00000	99.75000	0.0	1.3578	-0.53855	*
				-12.00000	-12.00000	99.75000	0.0	1.6168	-0.52509	*
				-11.00000	-12.00000	99.75000	0.0	1.8886	-0.50892	*
				-10.00000	-12.00000	99.75000	0.0	2.1635	-0.49009	*
				-9.00000	-12.00000	99.75000	0.0	2.4273	-0.46874	*
				-8.00000	-12.00000	99.75000	0.0	2.6625	-0.44508	*
				-7.00000	-12.00000	99.75000	-0.14569	2.5853	-0.41946	*
				-6.00000	-12.00000	99.75000	-0.42486	2.4018	-0.39231	*
				-5.00000	-12.00000	99.75000	-0.66951	2.1903	-0.36417	*
				-4.00000	-12.00000	99.75000	-0.86294	1.9627	-0.33561	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-3.00000	-12.00000	99.75000	-0.99537	1.7288	-0.30718	*
				-2.00000	-12.00000	99.75000	-1.0634	1.4951	-0.27936	*
				-1.00000	-12.00000	99.75000	-1.0685	1.2661	-0.25255	*
				0.00000	-12.00000	99.75000	-1.0148	1.0438	-0.22703	*
				1.00000	-12.00000	99.75000	-0.90816	0.82922	-0.20299	*
				2.00000	-12.00000	99.75000	-0.75467	0.62257	-0.18056	*
				3.00000	-12.00000	99.75000	-0.55107	0.42861	-0.15976	*
				4.00000	-12.00000	99.75000	-0.31741	0.24688	-0.14059	*
				5.00000	-12.00000	99.75000	-0.083760	0.065147	-0.12301	*
				-40.00000	-11.00000	99.75000	0.0	0.0	-0.13812	*
				-39.00000	-11.00000	99.75000	0.0	0.0	-0.15857	*
				-38.00000	-11.00000	99.75000	0.0	0.0	-0.18106	*
				-37.00000	-11.00000	99.75000	0.0	0.0	-0.20569	*
				-36.00000	-11.00000	99.75000	0.0	0.0	-0.23244	*
				-35.00000	-11.00000	99.75000	0.0	0.0	-0.26126	*
				-34.00000	-11.00000	99.75000	0.0	0.0	-0.29193	*
				-33.00000	-11.00000	99.75000	0.0	0.0	-0.32413	*
				-32.00000	-11.00000	99.75000	0.0	0.0	-0.35739	*
				-31.00000	-11.00000	99.75000	0.0	0.0	-0.39117	*
				-30.00000	-11.00000	99.75000	0.0	0.0	-0.42485	*
				-29.00000	-11.00000	99.75000	0.0	0.0	-0.45783	*
				-28.00000	-11.00000	99.75000	0.0	0.0	-0.48957	*
				-27.00000	-11.00000	99.75000	0.0	0.0	-0.51954	*
				-26.00000	-11.00000	99.75000	0.0	0.0	-0.54730	*
				-25.00000	-11.00000	99.75000	0.0	0.0	-0.57246	*
				-24.00000	-11.00000	99.75000	0.0	0.0	-0.59470	*
				-23.00000	-11.00000	99.75000	0.0	0.0	-0.61383	*
				-22.00000	-11.00000	99.75000	0.0	0.0	-0.62973	*
				-21.00000	-11.00000	99.75000	0.0	0.032888	-0.64239	*
				-20.00000	-11.00000	99.75000	0.0	0.14422	-0.65184	*
				-19.00000	-11.00000	99.75000	0.0	0.26950	-0.65813	*
				-18.00000	-11.00000	99.75000	0.0	0.41102	-0.66131	*
				-17.00000	-11.00000	99.75000	0.0	0.57141	-0.66139	*
				-16.00000	-11.00000	99.75000	0.0	0.75361	-0.65837	*
				-15.00000	-11.00000	99.75000	0.0	0.96067	-0.65223	*
				-14.00000	-11.00000	99.75000	0.0	1.1954	-0.64294	*
				-13.00000	-11.00000	99.75000	0.0	1.4597	-0.63045	*
				-12.00000	-11.00000	99.75000	0.0	1.7531	-0.61473	*
				-11.00000	-11.00000	99.75000	0.0	2.0715	-0.59573	*
				-10.00000	-11.00000	99.75000	0.0	2.4046	-0.57344	*
				-9.00000	-11.00000	99.75000	0.0	2.7346	-0.54793	*
				-8.00000	-11.00000	99.75000	0.0	3.0375	-0.51942	*
				-7.00000	-11.00000	99.75000	-0.19022	2.9377	-0.48833	*
				-6.00000	-11.00000	99.75000	-0.55293	2.7066	-0.45524	*
				-5.00000	-11.00000	99.75000	-0.86647	2.4491	-0.42093	*
				-4.00000	-11.00000	99.75000	-1.1093	2.1811	-0.38618	*
				-3.00000	-11.00000	99.75000	-1.2715	1.9140	-0.35178	*
				-2.00000	-11.00000	99.75000	-1.3524	1.6546	-0.31836	*
				-1.00000	-11.00000	99.75000	-1.3571	1.4064	-0.28643	*
				0.00000	-11.00000	99.75000	-1.2940	1.1704	-0.25632	*
				1.00000	-11.00000	99.75000	-1.1719	0.94630	-0.22824	*
				2.00000	-11.00000	99.75000	-0.96645	0.75169	-0.20226	*
				3.00000	-11.00000	99.75000	-0.73280	0.56995	-0.17840	*
				4.00000	-11.00000	99.75000	-0.49914	0.38822	-0.15659	*
				5.00000	-11.00000	99.75000	-0.26549	0.20649	-0.13674	*
				-40.00000	-10.00000	99.75000	0.0	0.0	-0.15293	*
				-39.00000	-10.00000	99.75000	0.0	0.0	-0.17613	*
				-38.00000	-10.00000	99.75000	0.0	0.0	-0.20191	*
				-37.00000	-10.00000	99.75000	0.0	0.0	-0.23043	*
				-36.00000	-10.00000	99.75000	0.0	0.0	-0.26179	*
				-35.00000	-10.00000	99.75000	0.0	0.0	-0.29595	*
				-34.00000	-10.00000	99.75000	0.0	0.0	-0.33270	*
				-33.00000	-10.00000	99.75000	0.0016946	0.014160	-0.37164	*
				-32.00000	-10.00000	99.75000	0.0	0.10000	-0.41213	*
				-31.00000	-10.00000	99.75000	0.0	0.10000	-0.45337	*
				-30.00000	-10.00000	99.75000	0.0	0.10000	-0.49452	*
				-29.00000	-10.00000	99.75000	0.0	0.10000	-0.53476	*
				-28.00000	-10.00000	99.75000	0.0	0.10000	-0.57336	*
				-27.00000	-10.00000	99.75000	0.0	0.10000	-0.60971	*
				-26.00000	-10.00000	99.75000	0.0	0.10000	-0.64322	*
				-25.00000	-10.00000	99.75000	0.0	0.10000	-0.67342	*
				-24.00000	-10.00000	99.75000	0.0	0.10000	-0.69990	*
				-23.00000	-10.00000	99.75000	0.0	0.10000	-0.72243	*
				-22.00000	-10.00000	99.75000	-0.0010698	0.098083	-0.74094	*
				-21.00000	-10.00000	99.75000	0.0	0.073618	-0.75550	*
				-20.00000	-10.00000	99.75000	0.0	0.17760	-0.76626	*
				-19.00000	-10.00000	99.75000	0.0	0.29590	-0.77338	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-18.00000	-10.00000	99.75000	0.0	0.43129	-0.77693	*
				-17.00000	-10.00000	99.75000	0.0	0.58716	-0.77696	*
				-16.00000	-10.00000	99.75000	0.0	0.76757	-0.77345	*
				-15.00000	-10.00000	99.75000	0.0	0.97727	-0.76637	*
				-14.00000	-10.00000	99.75000	0.0	1.2215	-0.75566	*
				-13.00000	-10.00000	99.75000	0.0	1.5053	-0.74124	*
				-12.00000	-10.00000	99.75000	0.0030598	1.8431	-0.72299	*
				-11.00000	-10.00000	99.75000	0.0	2.2392	-0.70077	*
				-10.00000	-10.00000	99.75000	0.0	2.6420	-0.67442	*
				-9.00000	-10.00000	99.75000	0.0	3.0571	-0.64389	*
				-8.00000	-10.00000	99.75000	0.0	3.4493	-0.60933	*
				-7.00000	-10.00000	99.75000	-0.24974	3.2824	-0.57121	*
				-6.00000	-10.00000	99.75000	-0.72194	2.9890	-0.53038	*
				-5.00000	-10.00000	99.75000	-1.1205	2.6741	-0.48795	*
				-4.00000	-10.00000	99.75000	-1.4181	2.3589	-0.44514	*
				-3.00000	-10.00000	99.75000	-1.6070	2.0565	-0.40305	*
				-2.00000	-10.00000	99.75000	-1.6928	1.7723	-0.36257	*
				-1.00000	-10.00000	99.75000	-1.6878	1.5076	-0.32430	*
				0.00000	-10.00000	99.75000	-1.6057	1.2612	-0.28863	*
				1.00000	-10.00000	99.75000	-1.3818	1.0748	-0.25573	*
				2.00000	-10.00000	99.75000	-1.1482	0.89303	-0.22563	*
				3.00000	-10.00000	99.75000	-0.91453	0.71130	-0.19826	*
				4.00000	-10.00000	99.75000	-0.68088	0.52957	-0.17347	*
				5.00000	-10.00000	99.75000	-0.44722	0.34784	-0.15110	*
				-40.00000	-9.00000	99.75000	0.0	0.0	-0.16832	*
				-39.00000	-9.00000	99.75000	0.0	0.0	-0.19459	*
				-38.00000	-9.00000	99.75000	0.0	0.0	-0.22412	*
				-37.00000	-9.00000	99.75000	0.0	0.0	-0.25721	*
				-36.00000	-9.00000	99.75000	0.0	0.0	-0.29408	*
				-35.00000	-9.00000	99.75000	0.089033	0.16553	-0.33484	*
				-34.00000	-9.00000	99.75000	0.17456	0.53300	-0.37933	*
				-33.00000	-9.00000	99.75000	0.12803	0.87097	-0.42703	*
				-32.00000	-9.00000	99.75000	0.0	1.1000	-0.47704	*
				-31.00000	-9.00000	99.75000	0.0	1.1000	-0.52815	*
				-30.00000	-9.00000	99.75000	0.0	1.1000	-0.57908	*
				-29.00000	-9.00000	99.75000	0.0	1.1000	-0.62869	*
				-28.00000	-9.00000	99.75000	0.0	1.1000	-0.67609	*
				-27.00000	-9.00000	99.75000	0.0	1.1000	-0.72051	*
				-26.00000	-9.00000	99.75000	0.0	1.1000	-0.76127	*
				-25.00000	-9.00000	99.75000	0.0	1.1000	-0.79772	*
				-24.00000	-9.00000	99.75000	0.0	1.1000	-0.82931	*
				-23.00000	-9.00000	99.75000	0.0	1.1000	-0.85576	*
				-22.00000	-9.00000	99.75000	-0.014276	1.0981	-0.87707	*
				-21.00000	-9.00000	99.75000	-0.13750	0.93583	-0.89354	*
				-20.00000	-9.00000	99.75000	-0.17243	0.68515	-0.90555	*
				-19.00000	-9.00000	99.75000	-0.072441	0.42522	-0.91342	*
				-18.00000	-9.00000	99.75000	0.0	0.42029	-0.91730	*
				-17.00000	-9.00000	99.75000	0.0	0.56567	-0.91723	*
				-16.00000	-9.00000	99.75000	0.0	0.73715	-0.91317	*
				-15.00000	-9.00000	99.75000	0.0	0.94120	-0.90505	*
				-14.00000	-9.00000	99.75000	0.10415	1.2616	-0.89280	*
				-13.00000	-9.00000	99.75000	0.17533	1.6940	-0.87631	*
				-12.00000	-9.00000	99.75000	0.11773	2.1728	-0.85537	*
				-11.00000	-9.00000	99.75000	0.0	2.6692	-0.82965	*
				-10.00000	-9.00000	99.75000	0.0	3.2382	-0.78533	*
				-9.00000	-9.00000	99.75000	0.0	3.8629	-0.73496	*
				-8.00000	-9.00000	99.75000	0.0	4.4359	-0.68378	*
				-7.00000	-9.00000	99.75000	-0.35391	4.1533	-0.63773	*
				-6.00000	-9.00000	99.75000	-0.99754	3.5685	-0.59593	*
				-5.00000	-9.00000	99.75000	-1.4751	2.9306	-0.56057	*
				-4.00000	-9.00000	99.75000	-1.8119	2.4807	-0.51443	*
				-3.00000	-9.00000	99.75000	-2.0176	2.1434	-0.46226	*
				-2.00000	-9.00000	99.75000	-2.0939	1.8386	-0.41272	*
				-1.00000	-9.00000	99.75000	-2.0309	1.5796	-0.36655	*
				0.00000	-9.00000	99.75000	-1.7972	1.3978	-0.32412	*
				1.00000	-9.00000	99.75000	-1.5636	1.2161	-0.28551	*
				2.00000	-9.00000	99.75000	-1.3299	1.0344	-0.25061	*
				3.00000	-9.00000	99.75000	-1.0963	0.85265	-0.21924	*
				4.00000	-9.00000	99.75000	-0.86261	0.67092	-0.19112	*
				5.00000	-9.00000	99.75000	-0.63543	0.46589	-0.16598	*
				-40.00000	-8.00000	99.75000	0.0	0.0	-0.18410	*
				-39.00000	-8.00000	99.75000	0.0	0.0	-0.21376	*
				-38.00000	-8.00000	99.75000	0.0	0.0	-0.24752	*
				-37.00000	-8.00000	99.75000	0.0	0.0	-0.28591	*
				-36.00000	-8.00000	99.75000	0.21004	0.20337	-0.32941	*
				-35.00000	-8.00000	99.75000	0.45067	0.62896	-0.37840	*
				-34.00000	-8.00000	99.75000	0.48781	1.1293	-0.43290	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.**LJ20089**

Drg. Ref.

Made by
ATDate
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-33.00000	-8.00000	99.75000	0.31541	1.6584	-0.49236	*
				-32.00000	-8.00000	99.75000	0.0	2.1000	-0.55542	*
				-31.00000	-8.00000	99.75000	0.0	2.1000	-0.62005	*
				-30.00000	-8.00000	99.75000	0.0	2.1000	-0.68414	*
				-29.00000	-8.00000	99.75000	0.0	2.1000	-0.74608	*
				-28.00000	-8.00000	99.75000	0.0	2.1000	-0.80483	*
				-27.00000	-8.00000	99.75000	0.0	2.1000	-0.85959	*
				-26.00000	-8.00000	99.75000	0.0	2.1000	-0.90959	*
				-25.00000	-8.00000	99.75000	0.0	2.1000	-0.95391	*
				-24.00000	-8.00000	99.75000	0.0	2.1000	-0.99169	*
				-23.00000	-8.00000	99.75000	0.0	2.1000	-1.0225	*
				-22.00000	-8.00000	99.75000	-0.034251	3.0948	-1.0464	*
				-21.00000	-8.00000	99.75000	-0.34090	2.7063	-1.0644	*
				-20.00000	-8.00000	99.75000	-0.49386	2.2554	-1.0773	*
				-19.00000	-8.00000	99.75000	-0.43527	1.8536	-1.0857	*
				-18.00000	-8.00000	99.75000	-0.17612	1.5440	-1.0898	*
				-17.00000	-8.00000	99.75000	0.0	1.5068	-1.0896	*
				-16.00000	-8.00000	99.75000	0.0	1.6606	-1.0849	*
				-15.00000	-8.00000	99.75000	0.24228	1.9387	-1.0757	*
				-14.00000	-8.00000	99.75000	0.46402	2.3328	-1.0618	*
				-13.00000	-8.00000	99.75000	0.47960	2.8127	-1.0432	*
				-12.00000	-8.00000	99.75000	0.28841	3.3838	-1.0184	*
				-11.00000	-8.00000	99.75000	0.0	3.1264	-0.97008	*
				-10.00000	-8.00000	99.75000	0.0	3.8570	-0.90579	*
				-9.00000	-8.00000	99.75000	0.0	4.6929	-0.82097	*
				-8.00000	-8.00000	99.75000	0.0	5.5117	-0.73504	*
				-7.00000	-8.00000	99.75000	-0.52163	5.0624	-0.67967	*
				-6.00000	-8.00000	99.75000	-1.4464	4.2366	-0.64390	*
				-5.00000	-8.00000	99.75000	-2.0865	3.4167	-0.61348	*
				-4.00000	-8.00000	99.75000	-2.4040	2.6744	-0.57635	*
				-3.00000	-8.00000	99.75000	-2.5213	2.1588	-0.53085	*
				-2.00000	-8.00000	99.75000	-2.4463	1.9026	-0.46958	*
				-1.00000	-8.00000	99.75000	-2.2126	1.7209	-0.41351	*
				0.00000	-8.00000	99.75000	-1.9790	1.5392	-0.36286	*
				1.00000	-8.00000	99.75000	-1.7453	1.3575	-0.31749	*
				2.00000	-8.00000	99.75000	-1.5116	1.1757	-0.27707	*
				3.00000	-8.00000	99.75000	-1.2780	0.99399	-0.24118	*
				4.00000	-8.00000	99.75000	-1.0624	0.74966	-0.20938	*
				5.00000	-8.00000	99.75000	-0.82711	0.52890	-0.18122	*
				-40.00000	-7.00000	99.75000	0.0	0.0	-0.20002	*
				-39.00000	-7.00000	99.75000	0.0	0.0	-0.23335	*
				-38.00000	-7.00000	99.75000	0.0	0.0	-0.27180	*
				-37.00000	-7.00000	99.75000	0.14630	0.073565	-0.31625	*
				-36.00000	-7.00000	99.75000	0.63629	0.42306	-0.36765	*
				-35.00000	-7.00000	99.75000	0.93345	0.89402	-0.42692	*
				-34.00000	-7.00000	99.75000	0.95214	1.5251	-0.49467	*
				-33.00000	-7.00000	99.75000	0.61990	2.3125	-0.57061	*
				-32.00000	-7.00000	99.75000	0.0	3.1000	-0.65265	*
				-31.00000	-7.00000	99.75000	0.0	3.1000	-0.73688	*
				-30.00000	-7.00000	99.75000	0.0	3.1000	-0.81935	*
				-29.00000	-7.00000	99.75000	0.0	3.1000	-0.89774	*
				-28.00000	-7.00000	99.75000	0.0	3.1000	-0.97119	*
				-27.00000	-7.00000	99.75000	0.0	3.1000	-1.0393	*
				-26.00000	-7.00000	99.75000	0.0	3.1000	-1.1013	*
				-25.00000	-7.00000	99.75000	0.0	3.1000	-1.1558	*
				-24.00000	-7.00000	99.75000	0.0	3.1000	-1.2010	*
				-23.00000	-7.00000	99.75000	0.0	3.1000	-1.2362	*
				-22.00000	-7.00000	99.75000	-0.067988	5.0646	-1.2616	*
				-21.00000	-7.00000	99.75000	-0.66896	4.3175	-1.2796	*
				-20.00000	-7.00000	99.75000	-0.96537	3.6044	-1.2923	*
				-19.00000	-7.00000	99.75000	-0.91473	3.0633	-1.3008	*
				-18.00000	-7.00000	99.75000	-0.59474	2.6925	-1.3049	*
				-17.00000	-7.00000	99.75000	-0.089319	2.4564	-1.3045	*
				-16.00000	-7.00000	99.75000	0.20199	2.5779	-1.2992	*
				-15.00000	-7.00000	99.75000	0.67594	2.8700	-1.2888	*
				-14.00000	-7.00000	99.75000	0.94939	3.2520	-1.2733	*
				-13.00000	-7.00000	99.75000	0.93529	3.7560	-1.2528	*
				-12.00000	-7.00000	99.75000	0.56773	4.4960	-1.2138	*
				-11.00000	-7.00000	99.75000	0.0	3.3857	-1.1517	*
				-10.00000	-7.00000	99.75000	0.0	4.2436	-1.0405	*
				-9.00000	-7.00000	99.75000	0.0	5.3635	-0.87284	*
				-8.00000	-7.00000	99.75000	0.0	6.5822	-0.69799	*
				-7.00000	-7.00000	99.75000	-0.80225	5.8592	-0.63318	*
				-6.00000	-7.00000	99.75000	-2.1484	4.6818	-0.63157	*
				-5.00000	-7.00000	99.75000	-2.9556	3.6575	-0.64954	*
				-4.00000	-7.00000	99.75000	-3.2641	2.8277	-0.63711	*
				-3.00000	-7.00000	99.75000	-2.9386	2.3020	-0.59455	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	*
				-2.00000	-7.00000	99.75000	-2.6280	2.0440	-0.53383	*
				-1.00000	-7.00000	99.75000	-2.3943	1.8623	-0.46534	*
				0.00000	-7.00000	99.75000	-2.1607	1.6805	-0.40475	*
				1.00000	-7.00000	99.75000	-1.9270	1.4988	-0.35146	*
				2.00000	-7.00000	99.75000	-1.7029	1.2907	-0.30475	*
				3.00000	-7.00000	99.75000	-1.4980	1.0052	-0.26383	*
				4.00000	-7.00000	99.75000	-1.2661	0.76057	-0.22801	*
				5.00000	-7.00000	99.75000	-1.0124	0.54968	-0.19661	*
				-40.00000	-6.00000	99.75000	0.0	0.0	-0.21575	*
				-39.00000	-6.00000	99.75000	0.0	0.0	-0.25294	*
				-38.00000	-6.00000	99.75000	0.0	0.0	-0.29647	*
				-37.00000	-6.00000	99.75000	0.50063	0.15054	-0.34769	*
				-36.00000	-6.00000	99.75000	1.1280	0.44370	-0.40827	*
				-35.00000	-6.00000	99.75000	1.5688	0.88019	-0.48024	*
				-34.00000	-6.00000	99.75000	1.6736	1.5678	-0.56576	*
				-33.00000	-6.00000	99.75000	1.1989	2.6883	-0.66044	*
				-32.00000	-6.00000	99.75000	0.0	4.2167	-0.76097	*
				-31.00000	-6.00000	99.75000	0.0	4.2167	-0.87657	*
				-30.00000	-6.00000	99.75000	0.0	4.2167	-0.98596	*
				-29.00000	-6.00000	99.75000	0.0	4.2167	-1.0864	*
				-28.00000	-6.00000	99.75000	0.0	4.2167	-1.1788	*
				-27.00000	-6.00000	99.75000	0.0	4.2167	-1.2641	*
				-26.00000	-6.00000	99.75000	0.0	4.2167	-1.3419	*
				-25.00000	-6.00000	99.75000	0.0	4.2167	-1.4099	*
				-24.00000	-6.00000	99.75000	0.0	4.2167	-1.4645	*
				-23.00000	-6.00000	99.75000	0.0	4.2167	-1.5027	*
				-22.00000	-6.00000	99.75000	-0.14104	7.1002	-1.5254	*
				-21.00000	-6.00000	99.75000	-1.2772	5.6101	-1.5531	*
				-20.00000	-6.00000	99.75000	-1.6848	4.5901	-1.5664	*
				-19.00000	-6.00000	99.75000	-1.5365	3.9842	-1.5741	*
				-18.00000	-6.00000	99.75000	-1.0720	3.6253	-1.5783	*
				-17.00000	-6.00000	99.75000	-0.43099	3.4148	-1.5778	*
				-16.00000	-6.00000	99.75000	0.56920	3.4430	-1.5718	*
				-15.00000	-6.00000	99.75000	1.1822	3.6700	-1.5601	*
				-14.00000	-6.00000	99.75000	1.5977	3.9882	-1.5429	*
				-13.00000	-6.00000	99.75000	1.6565	4.4792	-1.5176	*
				-12.00000	-6.00000	99.75000	1.1115	5.3171	-1.4694	*
				-11.00000	-6.00000	99.75000	0.0	3.4457	-1.3832	*
				-10.00000	-6.00000	99.75000	0.0	4.3366	-1.2221	*
				-9.00000	-6.00000	99.75000	0.0	5.7892	-0.92391	*
				-8.00000	-6.00000	99.75000	0.0	7.7512	-0.54118	*
				-7.00000	-6.00000	99.75000	-1.3638	6.4035	-0.48135	*
				-6.00000	-6.00000	99.75000	-3.3546	4.7009	-0.55380	*
				-5.00000	-6.00000	99.75000	-4.1646	3.5494	-0.65841	*
				-4.00000	-6.00000	99.75000	-3.7232	3.0493	-0.69212	*
				-3.00000	-6.00000	99.75000	-3.2819	2.6000	-0.65636	*
				-2.00000	-6.00000	99.75000	-2.8405	2.2093	-0.59874	*
				-1.00000	-6.00000	99.75000	-2.5761	2.0036	-0.52186	*
				0.00000	-6.00000	99.75000	-2.3424	1.8219	-0.44941	*
				1.00000	-6.00000	99.75000	-2.1418	1.5456	-0.38700	*
				2.00000	-6.00000	99.75000	-1.9460	1.2193	-0.33323	*
				3.00000	-6.00000	99.75000	-1.7172	0.94825	-0.28682	*
				4.00000	-6.00000	99.75000	-1.4628	0.72092	-0.24669	*
				5.00000	-6.00000	99.75000	-1.1884	0.52825	-0.21189	*
				-40.00000	-5.00000	99.75000	0.0	0.0	-0.23087	*
				-39.00000	-5.00000	99.75000	0.0	0.0	-0.27200	*
				-38.00000	-5.00000	99.75000	0.0	0.0	-0.32082	*
				-37.00000	-5.00000	99.75000	0.81538	0.10427	-0.37929	*
				-36.00000	-5.00000	99.75000	1.6323	0.26770	-0.45012	*
				-35.00000	-5.00000	99.75000	2.3358	0.53213	-0.53715	*
				-34.00000	-5.00000	99.75000	2.7959	1.0299	-0.64262	*
				-33.00000	-5.00000	99.75000	2.6440	2.3122	-0.69562	*
				-32.00000	-5.00000	99.75000	0.0	5.5500	-0.72487	*
				-31.00000	-5.00000	99.75000	0.0	5.5500	-0.90154	*
				-30.00000	-5.00000	99.75000	0.0	5.5500	-1.0523	*
				-29.00000	-5.00000	99.75000	0.0	5.5500	-1.1815	*
				-28.00000	-5.00000	99.75000	0.0	5.5500	-1.2973	*
				-27.00000	-5.00000	99.75000	0.0	5.5500	-1.4045	*
				-26.00000	-5.00000	99.75000	0.0	5.5500	-1.5039	*
				-25.00000	-5.00000	99.75000	0.0	5.5500	-1.5916	*
				-24.00000	-5.00000	99.75000	0.0	5.5500	-1.6586	*
				-23.00000	-5.00000	99.75000	0.0	5.5500	-1.6956	*
				-22.00000	-5.00000	99.75000	-0.39046	9.2504	-1.6869	*
				-21.00000	-5.00000	99.75000	-2.7355	6.2353	-1.8361	*
				-20.00000	-5.00000	99.75000	-2.7576	5.0940	-1.9119	*
				-19.00000	-5.00000	99.75000	-2.2734	4.6592	-1.9183	*
				-18.00000	-5.00000	99.75000	-1.5544	4.4376	-1.9229	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-17.00000	-5.00000	99.75000	-0.70119	4.3175	-1.9227	*
				-16.00000	-5.00000	99.75000	0.90031	4.3133	-1.9162	*
				-15.00000	-5.00000	99.75000	1.7091	4.4339	-1.9031	*
				-14.00000	-5.00000	99.75000	2.3958	4.6138	-1.8837	*
				-13.00000	-5.00000	99.75000	2.8353	4.9511	-1.8499	*
				-12.00000	-5.00000	99.75000	2.5265	5.7801	-1.7208	*
				-11.00000	-5.00000	99.75000	0.0	3.3425	-1.5598	*
				-10.00000	-5.00000	99.75000	0.0	3.9633	-1.4277	*
				-9.00000	-5.00000	99.75000	0.0	5.4169	-1.0626	*
				-8.00000	-5.00000	99.75000	0.0	9.0549	-0.18818	*
				-7.00000	-5.00000	99.75000	-2.9790	6.1839	-0.29015	*
				-6.00000	-5.00000	99.75000	-4.9492	4.2085	-0.50630	*
				-5.00000	-5.00000	99.75000	-4.5078	3.6931	-0.65623	*
				-4.00000	-5.00000	99.75000	-4.0665	3.2558	-0.72134	*
				-3.00000	-5.00000	99.75000	-3.6251	2.8538	-0.70991	*
				-2.00000	-5.00000	99.75000	-3.1838	2.4763	-0.64875	*
				-1.00000	-5.00000	99.75000	-2.7578	2.1450	-0.58238	*
				0.00000	-5.00000	99.75000	-2.5992	1.7442	-0.49607	*
				1.00000	-5.00000	99.75000	-2.4133	1.3690	-0.42339	*
				2.00000	-5.00000	99.75000	-2.1861	1.0709	-0.36192	*
				3.00000	-5.00000	99.75000	-1.9285	0.82995	-0.30966	*
				4.00000	-5.00000	99.75000	-1.6485	0.63187	-0.26503	*
				5.00000	-5.00000	99.75000	-1.3513	0.46662	-0.22675	*
				-40.00000	-4.00000	99.75000	0.0	0.0	-0.24492	*
				-39.00000	-4.00000	99.75000	0.0	0.0	-0.28988	*
				-38.00000	-4.00000	99.75000	0.0	0.0	-0.34393	*
				-37.00000	-4.00000	99.75000	1.0000	0.0	-0.40973	*
				-36.00000	-4.00000	99.75000	2.0000	0.0	-0.49123	*
				-35.00000	-4.00000	99.75000	3.0000	0.0	-0.59465	*
				-34.00000	-4.00000	99.75000	4.0833	0.0	-0.71853	*
				-33.00000	-4.00000	99.75000	5.4167	0.0	-0.73279	*
				-32.00000	-4.00000	99.75000	6.7500	0.0	-0.59116	*
				-31.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-4.00000	99.75000	-6.6167	5.4167	-1.7055	*
				-21.00000	-4.00000	99.75000	-5.2833	5.4167	-2.1310	*
				-20.00000	-4.00000	99.75000	-3.9500	5.4167	-2.2729	*
				-19.00000	-4.00000	99.75000	-2.9000	5.4167	-2.2874	*
				-18.00000	-4.00000	99.75000	-1.9000	5.4167	-2.2934	*
				-17.00000	-4.00000	99.75000	-0.80000	5.4167	-2.2940	*
				-16.00000	-4.00000	99.75000	1.1000	5.4167	-2.2871	*
				-15.00000	-4.00000	99.75000	2.1000	5.4167	-2.2718	*
				-14.00000	-4.00000	99.75000	3.1000	5.4167	-2.2488	*
				-13.00000	-4.00000	99.75000	4.2167	5.4167	-2.2046	*
				-12.00000	-4.00000	99.75000	5.5500	5.4167	-1.9785	*
				-11.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-4.00000	99.75000	0.0	0.0	-2.7009	*
				-7.00000	-4.00000	99.75000	-5.7338	4.4596	-0.52298	*
				-6.00000	-4.00000	99.75000	-5.2924	4.1163	-0.54497	*
				-5.00000	-4.00000	99.75000	-4.8511	3.7731	-0.64184	*
				-4.00000	-4.00000	99.75000	-4.4098	3.4298	-0.71472	*
				-3.00000	-4.00000	99.75000	-3.9684	3.0865	-0.73158	*
				-2.00000	-4.00000	99.75000	-3.5396	2.7094	-0.69103	*
				-1.00000	-4.00000	99.75000	-3.2325	1.9262	-0.61927	*
				0.00000	-4.00000	99.75000	-2.9127	1.4120	-0.54346	*
				1.00000	-4.00000	99.75000	-2.6825	1.0926	-0.45963	*
				2.00000	-4.00000	99.75000	-2.4167	0.84746	-0.39002	*
				3.00000	-4.00000	99.75000	-2.1261	0.65402	-0.33173	*
				4.00000	-4.00000	99.75000	-1.8179	0.49784	-0.28256	*
				5.00000	-4.00000	99.75000	-1.4966	0.36925	-0.24080	*
				-40.00000	-3.00000	99.75000	0.0	0.0	-0.25739	*
				-39.00000	-3.00000	99.75000	0.0	0.0	-0.30589	*
				-38.00000	-3.00000	99.75000	0.0	0.0	-0.36480	*
				-37.00000	-3.00000	99.75000	1.0000	0.0	-0.43748	*
				-36.00000	-3.00000	99.75000	2.0000	0.0	-0.52909	*
				-35.00000	-3.00000	99.75000	3.0000	0.0	-0.64816	*
				-34.00000	-3.00000	99.75000	4.0833	0.0	-0.79842	*
				-33.00000	-3.00000	99.75000	5.4167	0.0	-0.86478	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-32.00000	-3.00000	99.75000	6.7500	0.0	-0.86425	*
				-31.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-3.00000	99.75000	-6.6167	6.7500	-3.0797	*
				-21.00000	-3.00000	99.75000	-5.2833	6.7500	-3.5305	*
				-20.00000	-3.00000	99.75000	-3.9500	6.7500	-3.6809	*
				-19.00000	-3.00000	99.75000	-2.9000	6.7500	-3.7010	*
				-18.00000	-3.00000	99.75000	-1.9000	6.7500	-3.7108	*
				-17.00000	-3.00000	99.75000	-0.80000	6.7500	-3.7135	*
				-16.00000	-3.00000	99.75000	1.1000	6.7500	-3.7067	*
				-15.00000	-3.00000	99.75000	2.1000	6.7500	-3.6890	*
				-14.00000	-3.00000	99.75000	3.1000	6.7500	-3.6602	*
				-13.00000	-3.00000	99.75000	4.2167	6.7500	-3.6059	*
				-12.00000	-3.00000	99.75000	5.5500	6.7500	-3.3593	*
				-11.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-3.00000	99.75000	0.0	0.0	-3.5042	*
				-7.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	-3.00000	99.75000	-5.6357	4.3833	-0.73051	*
				-5.00000	-3.00000	99.75000	-5.1944	4.0401	-0.63408	*
				-4.00000	-3.00000	99.75000	-4.7530	3.6968	-0.66650	*
				-3.00000	-3.00000	99.75000	-4.4445	2.9825	-0.70510	*
				-2.00000	-3.00000	99.75000	-4.1872	1.9830	-0.71248	*
				-1.00000	-3.00000	99.75000	-3.7517	1.3632	-0.65996	*
				0.00000	-3.00000	99.75000	-3.2236	0.94784	-0.58975	*
				1.00000	-3.00000	99.75000	-2.9383	0.72498	-0.49437	*
				2.00000	-3.00000	99.75000	-2.6284	0.55859	-0.41657	*
				3.00000	-3.00000	99.75000	-2.3022	0.42975	-0.35232	*
				4.00000	-3.00000	99.75000	-1.9647	0.32706	-0.29873	*
				5.00000	-3.00000	99.75000	-1.6190	0.24327	-0.25365	*
				-40.00000	-2.00000	99.75000	0.0	0.0	-0.26782	*
				-39.00000	-2.00000	99.75000	0.0	0.0	-0.31933	*
				-38.00000	-2.00000	99.75000	0.0	0.0	-0.38241	*
				-37.00000	-2.00000	99.75000	1.0000	0.0	-0.46100	*
				-36.00000	-2.00000	99.75000	2.0000	0.0	-0.56121	*
				-35.00000	-2.00000	99.75000	3.0000	0.0	-0.69325	*
				-34.00000	-2.00000	99.75000	4.0833	0.0	-0.86388	*
				-33.00000	-2.00000	99.75000	5.4167	0.0	-0.96322	*
				-32.00000	-2.00000	99.75000	6.7500	0.0	-1.0119	*
				-31.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-2.00000	99.75000	0.0	0.0	-3.9941	*
				-7.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	-2.00000	99.75000	-5.5376	4.3071	-0.66110	*
				-4.00000	-2.00000	99.75000	-5.6342	2.4247	-0.59698	*
				-3.00000	-2.00000	99.75000	-5.3594	1.3224	-0.69251	*
				-2.00000	-2.00000	99.75000	-4.8352	0.83500	-0.74129	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-1.00000	-2.00000	99.75000	-4.2243	0.56210	-0.70242	*
				0.00000	-2.00000	99.75000	-3.5735	0.38756	-0.62166	*
				1.00000	-2.00000	99.75000	-3.1648	0.29023	-0.52605	*
				2.00000	-2.00000	99.75000	-2.8093	0.22355	-0.44045	*
				3.00000	-2.00000	99.75000	-2.4477	0.17228	-0.37063	*
				4.00000	-2.00000	99.75000	-2.0819	0.13155	-0.31298	*
				5.00000	-2.00000	99.75000	-1.7132	0.098323	-0.26488	*
				-40.00000	-1.00000	99.75000	0.0	0.0	-0.27578	*
				-39.00000	-1.00000	99.75000	0.0	0.0	-0.32961	*
				-38.00000	-1.00000	99.75000	0.0	0.0	-0.39590	*
				-37.00000	-1.00000	99.75000	1.0000	0.0	-0.47901	*
				-36.00000	-1.00000	99.75000	2.0000	0.0	-0.58568	*
				-35.00000	-1.00000	99.75000	3.0000	0.0	-0.72710	*
				-34.00000	-1.00000	99.75000	4.0833	0.0	-0.91135	*
				-33.00000	-1.00000	99.75000	5.4167	0.0	-1.0298	*
				-32.00000	-1.00000	99.75000	6.7500	0.0	-1.1026	*
				-31.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-1.00000	99.75000	0.0	0.0	-4.3296	*
				-7.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	-1.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	-1.00000	99.75000	-7.2220	0.38010	-0.90681	*
				-4.00000	-1.00000	99.75000	-6.5156	0.34293	-0.71337	*
				-3.00000	-1.00000	99.75000	-5.8092	0.30575	-0.77050	*
				-2.00000	-1.00000	99.75000	-5.1028	0.26857	-0.80015	*
				-1.00000	-1.00000	99.75000	-4.3964	0.23139	-0.74871	*
				0.00000	-1.00000	99.75000	-3.6901	0.19421	-0.65553	*
				1.00000	-1.00000	99.75000	-3.2317	0.17009	-0.55298	*
				2.00000	-1.00000	99.75000	-2.8578	0.15041	-0.46052	*
				3.00000	-1.00000	99.75000	-2.4838	0.13073	-0.38587	*
				4.00000	-1.00000	99.75000	-2.1098	0.11104	-0.32474	*
				5.00000	-1.00000	99.75000	-1.7359	0.091362	-0.27408	*
				-40.00000	0.00000	99.75000	0.0	0.0	-0.28093	*
				-39.00000	0.00000	99.75000	0.0	0.0	-0.33627	*
				-38.00000	0.00000	99.75000	0.0	0.0	-0.40463	*
				-37.00000	0.00000	99.75000	1.0000	0.0	-0.49062	*
				-36.00000	0.00000	99.75000	2.0000	0.0	-0.60134	*
				-35.00000	0.00000	99.75000	3.0000	0.0	-0.74844	*
				-34.00000	0.00000	99.75000	4.0833	0.0	-0.94051	*
				-33.00000	0.00000	99.75000	5.4167	0.0	-1.0692	*
				-32.00000	0.00000	99.75000	6.7500	0.0	-1.1541	*
				-31.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	0.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	0.00000	99.75000	Point lies	within an	excavation.	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Mat by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-16.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-8.00000	0.00000	99.75000	0.0	0.0	-4.5595	*
				-7.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-6.00000	0.00000	99.75000	Point lies	within	an excavation.	*
				-5.00000	0.00000	99.75000	-7.2591	0.38206	-1.1169	*
				-4.00000	0.00000	99.75000	-6.5528	0.34488	-0.82771	*
				-3.00000	0.00000	99.75000	-5.8464	0.30770	-0.83933	*
				-2.00000	0.00000	99.75000	-5.1400	0.27053	-0.84751	*
				-1.00000	0.00000	99.75000	-4.4336	0.23335	-0.78452	*
				0.00000	0.00000	99.75000	-3.7272	0.19617	-0.68153	*
				1.00000	0.00000	99.75000	-3.2514	0.17113	-0.57357	*
				2.00000	0.00000	99.75000	-2.8774	0.15144	-0.47572	*
				3.00000	0.00000	99.75000	-2.5035	0.13176	-0.39732	*
				4.00000	0.00000	99.75000	-2.1295	0.11208	-0.33350	*
				5.00000	0.00000	99.75000	-1.7556	0.092398	-0.28089	*
				-40.00000	1.00000	99.75000	0.0	0.0	-0.28307	*
				-39.00000	1.00000	99.75000	0.0	0.0	-0.33901	*
				-38.00000	1.00000	99.75000	0.0	0.0	-0.40818	*
				-37.00000	1.00000	99.75000	1.0000	0.0	-0.49530	*
				-36.00000	1.00000	99.75000	2.0000	0.0	-0.60758	*
				-35.00000	1.00000	99.75000	3.0000	0.0	-0.75681	*
				-34.00000	1.00000	99.75000	4.0833	0.0	-0.95174	*
				-33.00000	1.00000	99.75000	5.4167	0.0	-1.0841	*
				-32.00000	1.00000	99.75000	6.7500	0.0	-1.1733	*
				-31.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-30.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-29.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-28.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-27.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-26.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-25.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-24.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-23.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-22.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-21.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-20.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-19.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-18.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-17.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-16.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-8.00000	1.00000	99.75000	0.0	0.0	-4.7155	*
				-7.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-6.00000	1.00000	99.75000	Point lies	within	an excavation.	*
				-5.00000	1.00000	99.75000	-7.2963	0.38402	-1.2017	*
				-4.00000	1.00000	99.75000	-6.5899	0.34684	-0.88297	*
				-3.00000	1.00000	99.75000	-5.8836	0.30966	-0.87488	*
				-2.00000	1.00000	99.75000	-5.1772	0.27248	-0.87342	*
				-1.00000	1.00000	99.75000	-4.4708	0.23531	-0.80559	*
				0.00000	1.00000	99.75000	-3.7644	0.19813	-0.69723	*
				1.00000	1.00000	99.75000	-3.2711	0.17216	-0.58653	*
				2.00000	1.00000	99.75000	-2.8971	0.15248	-0.48518	*
				3.00000	1.00000	99.75000	-2.5232	0.13280	-0.40437	*
				4.00000	1.00000	99.75000	-2.1492	0.11312	-0.33886	*
				5.00000	1.00000	99.75000	-1.7752	0.093433	-0.28502	*
				-40.00000	2.00000	99.75000	0.0	0.0	-0.28211	*
				-39.00000	2.00000	99.75000	0.0	0.0	-0.33772	*
				-38.00000	2.00000	99.75000	0.0	0.0	-0.40642	*
				-37.00000	2.00000	99.75000	1.0000	0.0	-0.49286	*
				-36.00000	2.00000	99.75000	2.0000	0.0	-0.60419	*
				-35.00000	2.00000	99.75000	3.0000	0.0	-0.75208	*
				-34.00000	2.00000	99.75000	4.0833	0.0	-0.94521	*
				-33.00000	2.00000	99.75000	5.4167	0.0	-1.0753	*
				-32.00000	2.00000	99.75000	6.7500	0.0	-1.1619	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Mat by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-31.00000	2.00000	99.75000	Point lies within an excavation.			*
				-30.00000	2.00000	99.75000	Point lies within an excavation.			*
				-29.00000	2.00000	99.75000	Point lies within an excavation.			*
				-28.00000	2.00000	99.75000	Point lies within an excavation.			*
				-27.00000	2.00000	99.75000	Point lies within an excavation.			*
				-26.00000	2.00000	99.75000	Point lies within an excavation.			*
				-25.00000	2.00000	99.75000	Point lies within an excavation.			*
				-24.00000	2.00000	99.75000	Point lies within an excavation.			*
				-23.00000	2.00000	99.75000	Point lies within an excavation.			*
				-22.00000	2.00000	99.75000	Point lies within an excavation.			*
				-21.00000	2.00000	99.75000	Point lies within an excavation.			*
				-20.00000	2.00000	99.75000	Point lies within an excavation.			*
				-19.00000	2.00000	99.75000	Point lies within an excavation.			*
				-18.00000	2.00000	99.75000	Point lies within an excavation.			*
				-17.00000	2.00000	99.75000	Point lies within an excavation.			*
				-16.00000	2.00000	99.75000	Point lies within an excavation.			*
				-15.00000	2.00000	99.75000	Point lies within an excavation.			*
				-14.00000	2.00000	99.75000	Point lies within an excavation.			*
				-13.00000	2.00000	99.75000	Point lies within an excavation.			*
				-12.00000	2.00000	99.75000	Point lies within an excavation.			*
				-11.00000	2.00000	99.75000	Point lies within an excavation.			*
				-10.00000	2.00000	99.75000	Point lies within an excavation.			*
				-9.00000	2.00000	99.75000	Point lies within an excavation.			*
				-8.00000	2.00000	99.75000	0.0	0.0	-4.8256	*
				-7.00000	2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	2.00000	99.75000	-7.3335	0.38597	-1.2198	*
				-4.00000	2.00000	99.75000	-6.6271	0.34880	-0.88969	*
				-3.00000	2.00000	99.75000	-5.9207	0.31162	-0.87653	*
				-2.00000	2.00000	99.75000	-5.2144	0.27444	-0.87566	*
				-1.00000	2.00000	99.75000	-4.5080	0.23726	-0.81004	*
				0.00000	2.00000	99.75000	-3.8016	0.20008	-0.70127	*
				1.00000	2.00000	99.75000	-3.2908	0.17320	-0.59095	*
				2.00000	2.00000	99.75000	-2.9168	0.15352	-0.48830	*
				3.00000	2.00000	99.75000	-2.5428	0.13383	-0.40663	*
				4.00000	2.00000	99.75000	-2.1689	0.11415	-0.34053	*
				5.00000	2.00000	99.75000	-1.7949	0.094469	-0.28629	*
				-40.00000	3.00000	99.75000	0.0	0.0	-0.27810	*
				-39.00000	3.00000	99.75000	0.0	0.0	-0.33246	*
				-38.00000	3.00000	99.75000	0.0	0.0	-0.39943	*
				-37.00000	3.00000	99.75000	1.0000	0.0	-0.48343	*
				-36.00000	3.00000	99.75000	2.0000	0.0	-0.59129	*
				-35.00000	3.00000	99.75000	3.0000	0.0	-0.73429	*
				-34.00000	3.00000	99.75000	4.0833	0.0	-0.92067	*
				-33.00000	3.00000	99.75000	5.4167	0.0	-1.0420	*
				-32.00000	3.00000	99.75000	6.7500	0.0	-1.1183	*
				-31.00000	3.00000	99.75000	Point lies within an excavation.			*
				-30.00000	3.00000	99.75000	Point lies within an excavation.			*
				-29.00000	3.00000	99.75000	Point lies within an excavation.			*
				-28.00000	3.00000	99.75000	Point lies within an excavation.			*
				-27.00000	3.00000	99.75000	Point lies within an excavation.			*
				-26.00000	3.00000	99.75000	Point lies within an excavation.			*
				-25.00000	3.00000	99.75000	Point lies within an excavation.			*
				-24.00000	3.00000	99.75000	Point lies within an excavation.			*
				-23.00000	3.00000	99.75000	Point lies within an excavation.			*
				-22.00000	3.00000	99.75000	Point lies within an excavation.			*
				-21.00000	3.00000	99.75000	Point lies within an excavation.			*
				-20.00000	3.00000	99.75000	Point lies within an excavation.			*
				-19.00000	3.00000	99.75000	Point lies within an excavation.			*
				-18.00000	3.00000	99.75000	Point lies within an excavation.			*
				-17.00000	3.00000	99.75000	Point lies within an excavation.			*
				-16.00000	3.00000	99.75000	Point lies within an excavation.			*
				-15.00000	3.00000	99.75000	Point lies within an excavation.			*
				-14.00000	3.00000	99.75000	Point lies within an excavation.			*
				-13.00000	3.00000	99.75000	Point lies within an excavation.			*
				-12.00000	3.00000	99.75000	Point lies within an excavation.			*
				-11.00000	3.00000	99.75000	Point lies within an excavation.			*
				-10.00000	3.00000	99.75000	Point lies within an excavation.			*
				-9.00000	3.00000	99.75000	Point lies within an excavation.			*
				-8.00000	3.00000	99.75000	0.0	0.0	-4.9407	*
				-7.00000	3.00000	99.75000	Point lies within an excavation.			*
				-6.00000	3.00000	99.75000	Point lies within an excavation.			*
				-5.00000	3.00000	99.75000	-7.3707	0.38793	-1.2019	*
				-4.00000	3.00000	99.75000	-6.6643	0.35075	-0.85489	*
				-3.00000	3.00000	99.75000	-5.9579	0.31357	-0.84401	*
				-2.00000	3.00000	99.75000	-5.2515	0.27640	-0.85299	*
				-1.00000	3.00000	99.75000	-4.5452	0.23922	-0.79687	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
ATDate
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				0.00000	3.00000	99.75000	-3.8388	0.20204	-0.69299	*
				1.00000	3.00000	99.75000	-3.3105	0.17423	-0.58644	*
				2.00000	3.00000	99.75000	-2.9365	0.15455	-0.48483	*
				3.00000	3.00000	99.75000	-2.5625	0.13487	-0.40393	*
				4.00000	3.00000	99.75000	-2.1886	0.11519	-0.33842	*
				5.00000	3.00000	99.75000	-1.8146	0.095505	-0.28462	*
				-40.00000	4.00000	99.75000	0.0	0.0	-0.27122	*
				-39.00000	4.00000	99.75000	0.0	0.0	-0.32349	*
				-38.00000	4.00000	99.75000	0.0	0.0	-0.38756	*
				-37.00000	4.00000	99.75000	1.0000	0.0	-0.46744	*
				-36.00000	4.00000	99.75000	2.0000	0.0	-0.56937	*
				-35.00000	4.00000	99.75000	3.0000	0.0	-0.70376	*
				-34.00000	4.00000	99.75000	4.0833	0.0	-0.87765	*
				-33.00000	4.00000	99.75000	5.4167	0.0	-0.98154	*
				-32.00000	4.00000	99.75000	6.7500	0.0	-1.0363	*
				-31.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-7.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	4.00000	99.75000	-7.4078	0.38989	-1.2330	*
				-4.00000	4.00000	99.75000	-6.7015	0.35271	-0.77031	*
				-3.00000	4.00000	99.75000	-5.9951	0.31553	-0.77364	*
				-2.00000	4.00000	99.75000	-5.2887	0.27835	-0.80434	*
				-1.00000	4.00000	99.75000	-4.5823	0.24118	-0.76591	*
				0.00000	4.00000	99.75000	-3.8760	0.20400	-0.67246	*
				1.00000	4.00000	99.75000	-3.3301	0.17527	-0.57313	*
				2.00000	4.00000	99.75000	-2.9562	0.15559	-0.47489	*
				3.00000	4.00000	99.75000	-2.5822	0.13591	-0.39639	*
				4.00000	4.00000	99.75000	-2.2082	0.11622	-0.33260	*
				5.00000	4.00000	99.75000	-1.8343	0.096541	-0.28007	*
				-40.00000	5.00000	99.75000	0.0	0.0	-0.26178	*
				-39.00000	5.00000	99.75000	0.0	0.0	-0.31124	*
				-38.00000	5.00000	99.75000	0.0	0.0	-0.37140	*
				-37.00000	5.00000	99.75000	1.0000	0.0	-0.44571	*
				-36.00000	5.00000	99.75000	2.0000	0.0	-0.53950	*
				-35.00000	5.00000	99.75000	3.0000	0.0	-0.66159	*
				-34.00000	5.00000	99.75000	4.0833	0.0	-0.81623	*
				-33.00000	5.00000	99.75000	5.4167	0.0	-0.88937	*
				-32.00000	5.00000	99.75000	6.7500	0.0	-0.89933	*
				-31.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	5.00000	99.75000	Point lies	within an	excavation.	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-15.00000	5.00000	99.75000	Point lies within an excavation.			*
				-14.00000	5.00000	99.75000	Point lies within an excavation.			*
				-13.00000	5.00000	99.75000	Point lies within an excavation.			*
				-12.00000	5.00000	99.75000	Point lies within an excavation.			*
				-11.00000	5.00000	99.75000	Point lies within an excavation.			*
				-10.00000	5.00000	99.75000	Point lies within an excavation.			*
				-9.00000	5.00000	99.75000	Point lies within an excavation.			*
				-8.00000	5.00000	99.75000	Point lies within an excavation.			*
				-7.00000	5.00000	99.75000	Point lies within an excavation.			*
				-6.00000	5.00000	99.75000	Point lies within an excavation.			*
				-5.00000	5.00000	99.75000	-7.4450	0.39184	-1.0010	*
				-4.00000	5.00000	99.75000	-6.7386	0.35467	-0.60383	*
				-3.00000	5.00000	99.75000	-6.0323	0.31749	-0.66048	*
				-2.00000	5.00000	99.75000	-5.3259	0.28031	-0.72999	*
				-1.00000	5.00000	99.75000	-4.6195	0.24313	-0.71824	*
				0.00000	5.00000	99.75000	-3.9131	0.20595	-0.64064	*
				1.00000	5.00000	99.75000	-3.3498	0.17631	-0.55176	*
				2.00000	5.00000	99.75000	-2.9759	0.15662	-0.45900	*
				3.00000	5.00000	99.75000	-2.6019	0.13694	-0.38435	*
				4.00000	5.00000	99.75000	-2.2279	0.11726	-0.32333	*
				5.00000	5.00000	99.75000	-1.8540	0.097577	-0.27282	*
				-40.00000	6.00000	99.75000	0.0	0.0	-0.25018	*
				-39.00000	6.00000	99.75000	0.0	0.0	-0.29628	*
				-38.00000	6.00000	99.75000	0.0	0.0	-0.35178	*
				-37.00000	6.00000	99.75000	1.0000	0.0	-0.41947	*
				-36.00000	6.00000	99.75000	2.0000	0.0	-0.50348	*
				-35.00000	6.00000	99.75000	3.0000	0.0	-0.61037	*
				-34.00000	6.00000	99.75000	4.0833	0.0	-0.73942	*
				-33.00000	6.00000	99.75000	5.4167	0.0	-0.76263	*
				-32.00000	6.00000	99.75000	6.7500	0.0	-0.65051	*
				-31.00000	6.00000	99.75000	Point lies within an excavation.			*
				-30.00000	6.00000	99.75000	Point lies within an excavation.			*
				-29.00000	6.00000	99.75000	Point lies within an excavation.			*
				-28.00000	6.00000	99.75000	Point lies within an excavation.			*
				-27.00000	6.00000	99.75000	Point lies within an excavation.			*
				-26.00000	6.00000	99.75000	Point lies within an excavation.			*
				-25.00000	6.00000	99.75000	Point lies within an excavation.			*
				-24.00000	6.00000	99.75000	Point lies within an excavation.			*
				-23.00000	6.00000	99.75000	Point lies within an excavation.			*
				-22.00000	6.00000	99.75000	Point lies within an excavation.			*
				-21.00000	6.00000	99.75000	Point lies within an excavation.			*
				-20.00000	6.00000	99.75000	Point lies within an excavation.			*
				-19.00000	6.00000	99.75000	Point lies within an excavation.			*
				-18.00000	6.00000	99.75000	Point lies within an excavation.			*
				-17.00000	6.00000	99.75000	Point lies within an excavation.			*
				-16.00000	6.00000	99.75000	Point lies within an excavation.			*
				-15.00000	6.00000	99.75000	Point lies within an excavation.			*
				-14.00000	6.00000	99.75000	Point lies within an excavation.			*
				-13.00000	6.00000	99.75000	Point lies within an excavation.			*
				-12.00000	6.00000	99.75000	Point lies within an excavation.			*
				-11.00000	6.00000	99.75000	Point lies within an excavation.			*
				-10.00000	6.00000	99.75000	Point lies within an excavation.			*
				-9.00000	6.00000	99.75000	Point lies within an excavation.			*
				-8.00000	6.00000	99.75000	Point lies within an excavation.			*
				-7.00000	6.00000	99.75000	Point lies within an excavation.			*
				-6.00000	6.00000	99.75000	Point lies within an excavation.			*
				-5.00000	6.00000	99.75000	-7.4822	0.39380	-0.48379	*
				-4.00000	6.00000	99.75000	-6.7758	0.35662	-0.34751	*
				-3.00000	6.00000	99.75000	-6.0694	0.31944	-0.50863	*
				-2.00000	6.00000	99.75000	-5.3631	0.28227	-0.63409	*
				-1.00000	6.00000	99.75000	-4.6492	0.23715	-0.65679	*
				0.00000	6.00000	99.75000	-3.9194	0.17557	-0.59949	*
				1.00000	6.00000	99.75000	-3.3291	0.13519	-0.52363	*
				2.00000	6.00000	99.75000	-2.9505	0.11092	-0.43805	*
				3.00000	6.00000	99.75000	-2.5759	0.090980	-0.36842	*
				4.00000	6.00000	99.75000	-2.2040	0.073933	-0.31102	*
				5.00000	6.00000	99.75000	-1.8341	0.058910	-0.26317	*
				-40.00000	7.00000	99.75000	0.0	0.0	-0.23688	*
				-39.00000	7.00000	99.75000	0.0	0.0	-0.27927	*
				-38.00000	7.00000	99.75000	0.0	0.0	-0.32968	*
				-37.00000	7.00000	99.75000	0.84182	-0.094580	-0.39019	*
				-36.00000	7.00000	99.75000	1.6794	-0.24138	-0.46372	*
				-35.00000	7.00000	99.75000	2.4148	-0.48032	-0.55439	*
				-34.00000	7.00000	99.75000	2.9385	-0.93938	-0.66311	*
				-33.00000	7.00000	99.75000	2.8765	-2.1669	-0.71084	*
				-32.00000	7.00000	99.75000	0.0	-5.6989	-0.72505	*
				-31.00000	7.00000	99.75000	0.0	-5.7194	-0.91706	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-30.00000	7.00000	99.75000	0.0	-5.7471	-1.0805	*
				-29.00000	7.00000	99.75000	0.0	-5.7840	-1.2231	*
				-28.00000	7.00000	99.75000	0.0	-5.8330	-1.3554	*
				-27.00000	7.00000	99.75000	0.0	-5.8980	-1.4843	*
				-26.00000	7.00000	99.75000	0.0	-5.9851	-1.6150	*
				-25.00000	7.00000	99.75000	0.0	-6.1035	-1.7453	*
				-24.00000	7.00000	99.75000	0.0	-6.2692	-1.8618	*
				-23.00000	7.00000	99.75000	0.0	-6.5279	-1.9634	*
				-22.00000	7.00000	99.75000	0.0	-6.9404	-2.0506	*
				-21.00000	7.00000	99.75000	0.0	-7.6403	-2.1113	*
				-20.00000	7.00000	99.75000	0.0	-9.0194	-2.1075	*
				-19.00000	7.00000	99.75000	0.0	-12.541	-1.8953	*
				-18.00000	7.00000	99.75000	0.0	-20.578	-1.2546	*
				-17.00000	7.00000	99.75000	0.0	-17.615	-1.5962	*
				-16.00000	7.00000	99.75000	0.0	-16.621	-1.7049	*
				-15.00000	7.00000	99.75000	0.0	-16.230	-1.7394	*
				-14.00000	7.00000	99.75000	0.0	-16.015	-1.7368	*
				-13.00000	7.00000	99.75000	0.0	-15.880	-1.7028	*
				-12.00000	7.00000	99.75000	0.0	-15.808	-1.6394	*
				-11.00000	7.00000	99.75000	0.0	-11.371	-1.5459	*
				-10.00000	7.00000	99.75000	0.0	-6.9333	-1.4274	*
				-9.00000	7.00000	99.75000	0.0	-6.9333	-1.2942	*
				-8.00000	7.00000	99.75000	0.0	-6.9333	-1.1355	*
				-7.00000	7.00000	99.75000	0.0	-6.9333	-0.93338	*
				-6.00000	7.00000	99.75000	0.0	-6.9333	-0.66159	*
				-5.00000	7.00000	99.75000	0.0	-6.9333	-0.30493	*
				-4.00000	7.00000	99.75000	-3.6340	-2.7626	-0.24602	*
				-3.00000	7.00000	99.75000	-4.3743	-1.3636	-0.42812	*
				-2.00000	7.00000	99.75000	-4.2722	-0.79778	-0.56812	*
				-1.00000	7.00000	99.75000	-3.8952	-0.50495	-0.60246	*
				0.00000	7.00000	99.75000	-3.3994	-0.33029	-0.55712	*
				1.00000	7.00000	99.75000	-2.9684	-0.22639	-0.49049	*
				2.00000	7.00000	99.75000	-2.6735	-0.16500	-0.41316	*
				3.00000	7.00000	99.75000	-2.3620	-0.12047	-0.34937	*
				4.00000	7.00000	99.75000	-2.0393	-0.087269	-0.29620	*
				5.00000	7.00000	99.75000	-1.7087	-0.062028	-0.25149	*
				-40.00000	8.00000	99.75000	0.0	0.0	-0.22237	*
				-39.00000	8.00000	99.75000	0.0	0.0	-0.26090	*
				-38.00000	8.00000	99.75000	0.0	0.0	-0.30611	*
				-37.00000	8.00000	99.75000	0.53499	-0.15088	-0.35945	*
				-36.00000	8.00000	99.75000	1.1793	-0.43439	-0.42276	*
				-35.00000	8.00000	99.75000	1.6408	-0.86060	-0.49830	*
				-34.00000	8.00000	99.75000	1.7654	-1.5439	-0.58861	*
				-33.00000	8.00000	99.75000	1.2928	-2.7117	-0.68573	*
				-32.00000	8.00000	99.75000	0.0	-4.4097	-0.79227	*
				-31.00000	8.00000	99.75000	0.0	-4.4828	-0.91779	*
				-30.00000	8.00000	99.75000	0.0	-4.5715	-1.0379	*
				-29.00000	8.00000	99.75000	0.0	-4.6802	-1.1507	*
				-28.00000	8.00000	99.75000	0.0	-4.8146	-1.2581	*
				-27.00000	8.00000	99.75000	0.0	-4.9829	-1.3625	*
				-26.00000	8.00000	99.75000	0.0	-5.1973	-1.4646	*
				-25.00000	8.00000	99.75000	0.0	-5.4762	-1.5630	*
				-24.00000	8.00000	99.75000	0.0	-5.8491	-1.6555	*
				-23.00000	8.00000	99.75000	0.0	-6.3936	-1.7369	*
				-22.00000	8.00000	99.75000	0.0	-7.2304	-1.8014	*
				-21.00000	8.00000	99.75000	0.0	-8.5206	-1.8284	*
				-20.00000	8.00000	99.75000	0.0	-10.645	-1.7742	*
				-19.00000	8.00000	99.75000	0.0	-14.243	-1.5873	*
				-18.00000	8.00000	99.75000	0.0	-18.505	-1.3664	*
				-17.00000	8.00000	99.75000	0.0	-16.894	-1.4596	*
				-16.00000	8.00000	99.75000	0.0	-15.853	-1.5118	*
				-15.00000	8.00000	99.75000	0.0	-15.235	-1.5332	*
				-14.00000	8.00000	99.75000	0.0	-14.844	-1.5289	*
				-13.00000	8.00000	99.75000	0.0	-14.580	-1.5007	*
				-12.00000	8.00000	99.75000	0.0	-14.475	-1.4503	*
				-11.00000	8.00000	99.75000	0.0	-10.350	-1.3793	*
				-10.00000	8.00000	99.75000	0.0	-6.2250	-1.2898	*
				-9.00000	8.00000	99.75000	0.0	-6.2250	-1.1825	*
				-8.00000	8.00000	99.75000	0.0	-6.2250	-1.0548	*
				-7.00000	8.00000	99.75000	0.0	-6.2250	-0.90093	*
				-6.00000	8.00000	99.75000	0.0	-6.2250	-0.71646	*
				-5.00000	8.00000	99.75000	0.0	-6.2250	-0.50805	*
				-4.00000	8.00000	99.75000	-1.8846	-4.0551	-0.42490	*
				-3.00000	8.00000	99.75000	-2.8836	-2.5547	-0.49614	*
				-2.00000	8.00000	99.75000	-3.1830	-1.6669	-0.56547	*
				-1.00000	8.00000	99.75000	-3.1021	-1.1233	-0.56685	*
				0.00000	8.00000	99.75000	-2.8157	-0.76803	-0.52008	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				1.00000	8.00000	99.75000	-2.5781	-0.55857	-0.45428	*
				2.00000	8.00000	99.75000	-2.3650	-0.42181	-0.38561	*
				3.00000	8.00000	99.75000	-2.1168	-0.31883	-0.32806	*
				4.00000	8.00000	99.75000	-1.8444	-0.23910	-0.27948	*
				5.00000	8.00000	99.75000	-1.5547	-0.17604	-0.23821	*
				-40.00000	9.00000	99.75000	0.0	0.0	-0.20712	*
				-39.00000	9.00000	99.75000	0.0	0.0	-0.24183	*
				-38.00000	9.00000	99.75000	0.0	0.0	-0.28199	*
				-37.00000	9.00000	99.75000	0.18184	-0.087545	-0.32857	*
				-36.00000	9.00000	99.75000	0.68294	-0.43444	-0.38263	*
				-35.00000	9.00000	99.75000	0.98978	-0.90656	-0.44529	*
				-34.00000	9.00000	99.75000	1.0105	-1.5486	-0.51736	*
				-33.00000	9.00000	99.75000	0.66098	-2.3658	-0.59877	*
				-32.00000	9.00000	99.75000	0.0	-3.2871	-0.68754	*
				-31.00000	9.00000	99.75000	0.0	-3.4088	-0.77974	*
				-30.00000	9.00000	99.75000	0.0	-3.5535	-0.87146	*
				-29.00000	9.00000	99.75000	0.0	-3.7269	-0.96077	*
				-28.00000	9.00000	99.75000	0.0	-3.9369	-1.0474	*
				-27.00000	9.00000	99.75000	0.0	-4.1945	-1.1318	*
				-26.00000	9.00000	99.75000	0.0	-4.5152	-1.2138	*
				-25.00000	9.00000	99.75000	0.0	-4.9216	-1.2926	*
				-24.00000	9.00000	99.75000	0.0	-5.4478	-1.3671	*
				-23.00000	9.00000	99.75000	0.0	-6.1462	-1.4370	*
				-22.00000	9.00000	99.75000	0.0	-7.2030	-1.4869	*
				-21.00000	9.00000	99.75000	0.0	-8.6815	-1.5144	*
				-20.00000	9.00000	99.75000	0.0	-10.756	-1.4933	*
				-19.00000	9.00000	99.75000	0.0	-13.521	-1.4207	*
				-18.00000	9.00000	99.75000	0.0	-16.190	-1.3639	*
				-17.00000	9.00000	99.75000	0.0	-15.334	-1.4088	*
				-16.00000	9.00000	99.75000	0.0	-14.547	-1.4386	*
				-15.00000	9.00000	99.75000	0.0	-13.942	-1.4507	*
				-14.00000	9.00000	99.75000	0.0	-13.498	-1.4448	*
				-13.00000	9.00000	99.75000	0.0	-13.171	-1.4212	*
				-12.00000	9.00000	99.75000	0.0	-13.142	-1.3807	*
				-11.00000	9.00000	99.75000	0.0	-9.3292	-1.3244	*
				-10.00000	9.00000	99.75000	0.0	-5.5167	-1.2532	*
				-9.00000	9.00000	99.75000	0.0	-5.5167	-1.1676	*
				-8.00000	9.00000	99.75000	0.0	-5.5167	-1.0671	*
				-7.00000	9.00000	99.75000	0.0	-5.5167	-0.95067	*
				-6.00000	9.00000	99.75000	0.0	-5.5167	-0.81919	*
				-5.00000	9.00000	99.75000	0.0	-5.5167	-0.67804	*
				-4.00000	9.00000	99.75000	-1.1382	-4.1943	-0.59070	*
				-3.00000	9.00000	99.75000	-1.9316	-3.0267	-0.57814	*
				-2.00000	9.00000	99.75000	-2.3166	-2.1516	-0.57085	*
				-1.00000	9.00000	99.75000	-2.3868	-1.5257	-0.53396	*
				0.00000	9.00000	99.75000	-2.2672	-1.0863	-0.48762	*
				1.00000	9.00000	99.75000	-2.1922	-0.83149	-0.41680	*
				2.00000	9.00000	99.75000	-2.0486	-0.63858	-0.35663	*
				3.00000	9.00000	99.75000	-1.8573	-0.48889	-0.30534	*
				4.00000	9.00000	99.75000	-1.6321	-0.37021	-0.26146	*
				5.00000	9.00000	99.75000	-1.3817	-0.27441	-0.22377	*
				-40.00000	10.00000	99.75000	0.0	0.0	-0.19154	*
				-39.00000	10.00000	99.75000	0.0	0.0	-0.22260	*
				-38.00000	10.00000	99.75000	0.0	0.0	-0.25806	*
				-37.00000	10.00000	99.75000	0.0	0.0	-0.29852	*
				-36.00000	10.00000	99.75000	0.24926	-0.23350	-0.34459	*
				-35.00000	10.00000	99.75000	0.49288	-0.66563	-0.39674	*
				-34.00000	10.00000	99.75000	0.52612	-1.1797	-0.45515	*
				-33.00000	10.00000	99.75000	0.33920	-1.7314	-0.51939	*
				-32.00000	10.00000	99.75000	0.0	-2.2885	-0.58820	*
				-31.00000	10.00000	99.75000	0.0	-2.4534	-0.65966	*
				-30.00000	10.00000	99.75000	0.0	-2.6467	-0.73181	*
				-29.00000	10.00000	99.75000	0.0	-2.8751	-0.80330	*
				-28.00000	10.00000	99.75000	0.0	-3.1474	-0.87346	*
				-27.00000	10.00000	99.75000	0.0	-3.4756	-0.94194	*
				-26.00000	10.00000	99.75000	0.0	-3.8757	-1.0083	*
				-25.00000	10.00000	99.75000	0.0	-4.3700	-1.0721	*
				-24.00000	10.00000	99.75000	0.0	-4.9892	-1.1326	*
				-23.00000	10.00000	99.75000	0.0	-5.7753	-1.1896	*
				-22.00000	10.00000	99.75000	0.0	-6.8120	-1.2380	*
				-21.00000	10.00000	99.75000	0.0	-8.2386	-1.2684	*
				-20.00000	10.00000	99.75000	0.0	-10.020	-1.2820	*
				-19.00000	10.00000	99.75000	0.0	-12.095	-1.2775	*
				-18.00000	10.00000	99.75000	0.0	-13.930	-1.2804	*
				-17.00000	10.00000	99.75000	0.0	-13.431	-1.3097	*
				-16.00000	10.00000	99.75000	0.0	-12.880	-1.3285	*
				-15.00000	10.00000	99.75000	0.0	-12.381	-1.3348	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-14.00000	10.00000	99.75000	0.0	-11.966	-1.3280	*
				-13.00000	10.00000	99.75000	0.0	-11.808	-1.3080	*
				-12.00000	10.00000	99.75000	0.0	-11.808	-1.2751	*
				-11.00000	10.00000	99.75000	0.0	-8.3083	-1.2299	*
				-10.00000	10.00000	99.75000	0.0	-4.8083	-1.1730	*
				-9.00000	10.00000	99.75000	0.0	-4.8083	-1.1049	*
				-8.00000	10.00000	99.75000	0.0	-4.8083	-1.0261	*
				-7.00000	10.00000	99.75000	0.0	-4.8083	-0.93703	*
				-6.00000	10.00000	99.75000	0.0	-4.8083	-0.83946	*
				-5.00000	10.00000	99.75000	0.0	-4.8083	-0.73691	*
				-4.00000	10.00000	99.75000	-0.74661	-3.9297	-0.65357	*
				-3.00000	10.00000	99.75000	-1.3287	-3.0578	-0.59852	*
				-2.00000	10.00000	99.75000	-1.6734	-2.3068	-0.54877	*
				-1.00000	10.00000	99.75000	-1.7920	-1.7031	-0.50245	*
				0.00000	10.00000	99.75000	-1.8524	-1.3174	-0.43976	*
				1.00000	10.00000	99.75000	-1.8332	-1.0295	-0.37951	*
				2.00000	10.00000	99.75000	-1.7421	-0.80200	-0.32726	*
				3.00000	10.00000	99.75000	-1.5976	-0.61984	-0.28198	*
				4.00000	10.00000	99.75000	-1.4133	-0.47188	-0.24271	*
				5.00000	10.00000	99.75000	-1.1985	-0.35009	-0.20859	*
				-40.00000	11.00000	99.75000	0.0	0.0	-0.17599	*
				-39.00000	11.00000	99.75000	0.0	0.0	-0.20364	*
				-38.00000	11.00000	99.75000	0.0	0.0	-0.23483	*
				-37.00000	11.00000	99.75000	0.0	0.0	-0.26993	*
				-36.00000	11.00000	99.75000	0.0	0.0	-0.30923	*
				-35.00000	11.00000	99.75000	0.12077	-0.21884	-0.35293	*
				-34.00000	11.00000	99.75000	0.20107	-0.59893	-0.40096	*
				-33.00000	11.00000	99.75000	0.14343	-0.95351	-0.45292	*
				-32.00000	11.00000	99.75000	0.0	-1.2565	-0.50799	*
				-31.00000	11.00000	99.75000	0.0	-1.4577	-0.56508	*
				-30.00000	11.00000	99.75000	0.0	-1.6909	-0.62306	*
				-29.00000	11.00000	99.75000	0.0	-1.9629	-0.68096	*
				-28.00000	11.00000	99.75000	0.0	-2.2826	-0.73813	*
				-27.00000	11.00000	99.75000	0.0	-2.6611	-0.79406	*
				-26.00000	11.00000	99.75000	0.0	-3.1131	-0.84829	*
				-25.00000	11.00000	99.75000	0.0	-3.6572	-0.90034	*
				-24.00000	11.00000	99.75000	0.0	-4.3168	-0.94977	*
				-23.00000	11.00000	99.75000	0.0	-5.1197	-0.99625	*
				-22.00000	11.00000	99.75000	0.0	-6.0951	-1.0396	*
				-21.00000	11.00000	99.75000	0.0	-7.2674	-1.0787	*
				-20.00000	11.00000	99.75000	0.0	-8.7347	-1.0981	*
				-19.00000	11.00000	99.75000	0.0	-10.308	-1.1157	*
				-18.00000	11.00000	99.75000	0.0	-11.639	-1.1336	*
				-17.00000	11.00000	99.75000	0.0	-11.363	-1.1538	*
				-16.00000	11.00000	99.75000	0.0	-10.998	-1.1659	*
				-15.00000	11.00000	99.75000	0.0	-10.620	-1.1687	*
				-14.00000	11.00000	99.75000	0.0	-10.475	-1.1616	*
				-13.00000	11.00000	99.75000	0.0	-10.475	-1.1446	*
				-12.00000	11.00000	99.75000	0.0	-10.475	-1.1176	*
				-11.00000	11.00000	99.75000	0.0	-7.2875	-1.0810	*
				-10.00000	11.00000	99.75000	0.0	-4.1000	-1.0353	*
				-9.00000	11.00000	99.75000	0.0	-4.1000	-0.98102	*
				-8.00000	11.00000	99.75000	0.0	-4.1000	-0.91884	*
				-7.00000	11.00000	99.75000	0.0	-4.1000	-0.84968	*
				-6.00000	11.00000	99.75000	0.0	-4.1000	-0.77510	*
				-5.00000	11.00000	99.75000	0.0	-4.1000	-0.69747	*
				-4.00000	11.00000	99.75000	-0.50881	-3.4907	-0.62516	*
				-3.00000	11.00000	99.75000	-0.92690	-2.8397	-0.56416	*
				-2.00000	11.00000	99.75000	-1.2035	-2.2339	-0.51606	*
				-1.00000	11.00000	99.75000	-1.4026	-1.8036	-0.45203	*
				0.00000	11.00000	99.75000	-1.4999	-1.4450	-0.39453	*
				1.00000	11.00000	99.75000	-1.5123	-1.1496	-0.34345	*
				2.00000	11.00000	99.75000	-1.4568	-0.90666	-0.29833	*
				3.00000	11.00000	99.75000	-1.3478	-0.70582	-0.25862	*
				4.00000	11.00000	99.75000	-1.1968	-0.53858	-0.22371	*
				5.00000	11.00000	99.75000	-1.0125	-0.39814	-0.19305	*
				-40.00000	12.00000	99.75000	0.0	0.0	-0.16072	*
				-39.00000	12.00000	99.75000	0.0	0.0	-0.18527	*
				-38.00000	12.00000	99.75000	0.0	0.0	-0.21265	*
				-37.00000	12.00000	99.75000	0.0	0.0	-0.24309	*
				-36.00000	12.00000	99.75000	0.0	0.0	-0.27673	*
				-35.00000	12.00000	99.75000	0.0	0.0	-0.31360	*
				-34.00000	12.00000	99.75000	0.0	0.0	-0.35358	*
				-33.00000	12.00000	99.75000	0.012437	-0.10199	-0.39634	*
				-32.00000	12.00000	99.75000	0.0	-0.20000	-0.44133	*
				-31.00000	12.00000	99.75000	0.0	-0.41519	-0.48785	*
				-30.00000	12.00000	99.75000	0.0	-0.67906	-0.53515	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-29.00000	12.00000	99.75000	0.0	-0.98299	-0.58256	*
				-28.00000	12.00000	99.75000	0.0	-1.3349	-0.62950	*
				-27.00000	12.00000	99.75000	0.0	-1.7445	-0.67549	*
				-26.00000	12.00000	99.75000	0.0	-2.2235	-0.72009	*
				-25.00000	12.00000	99.75000	0.0	-2.7858	-0.76288	*
				-24.00000	12.00000	99.75000	0.0	-3.4465	-0.80347	*
				-23.00000	12.00000	99.75000	0.0	-4.2209	-0.84155	*
				-22.00000	12.00000	99.75000	0.0	-5.1197	-0.87682	*
				-21.00000	12.00000	99.75000	0.0	-6.1410	-0.90900	*
				-20.00000	12.00000	99.75000	0.0	-7.2591	-0.93774	*
				-19.00000	12.00000	99.75000	0.0	-8.4118	-0.96248	*
				-18.00000	12.00000	99.75000	0.0	-9.3922	-0.98249	*
				-17.00000	12.00000	99.75000	0.0	-9.2671	-0.99689	*
				-16.00000	12.00000	99.75000	0.0	-9.2000	-1.0048	*
				-15.00000	12.00000	99.75000	0.0	-9.2000	-1.0056	*
				-14.00000	12.00000	99.75000	0.0	-9.2000	-0.99875	*
				-13.00000	12.00000	99.75000	0.0	-9.2000	-0.98414	*
				-12.00000	12.00000	99.75000	0.0	-9.2000	-0.96179	*
				-11.00000	12.00000	99.75000	0.0	-6.3250	-0.93195	*
				-10.00000	12.00000	99.75000	0.0	-3.4500	-0.89502	*
				-9.00000	12.00000	99.75000	0.0	-3.4500	-0.85148	*
				-8.00000	12.00000	99.75000	0.0	-3.4500	-0.80202	*
				-7.00000	12.00000	99.75000	0.0	-3.4500	-0.74753	*
				-6.00000	12.00000	99.75000	0.0	-3.4500	-0.68928	*
				-5.00000	12.00000	99.75000	0.0	-3.4500	-0.62888	*
				-4.00000	12.00000	99.75000	-0.35897	-3.0395	-0.56818	*
				-3.00000	12.00000	99.75000	-0.67904	-2.6086	-0.50897	*
				-2.00000	12.00000	99.75000	-0.93267	-2.1932	-0.45273	*
				-1.00000	12.00000	99.75000	-1.1078	-1.8152	-0.40042	*
				0.00000	12.00000	99.75000	-1.2050	-1.4833	-0.35256	*
				1.00000	12.00000	99.75000	-1.2317	-1.1973	-0.30927	*
				2.00000	12.00000	99.75000	-1.1981	-0.95324	-0.27043	*
				3.00000	12.00000	99.75000	-1.1141	-0.74528	-0.23574	*
				4.00000	12.00000	99.75000	-0.98866	-0.56781	-0.20488	*
				5.00000	12.00000	99.75000	-0.82935	-0.41575	-0.17748	*
				-40.00000	13.00000	99.75000	0.0	0.0	-0.14594	*
				-39.00000	13.00000	99.75000	0.0	0.0	-0.16769	*
				-38.00000	13.00000	99.75000	0.0	0.0	-0.19172	*
				-37.00000	13.00000	99.75000	0.0	0.0	-0.21815	*
				-36.00000	13.00000	99.75000	0.0	0.0	-0.24703	*
				-35.00000	13.00000	99.75000	0.0	0.0	-0.27835	*
				-34.00000	13.00000	99.75000	0.0	0.0	-0.31196	*
				-33.00000	13.00000	99.75000	0.0	0.0	-0.34760	*
				-32.00000	13.00000	99.75000	0.0	0.0	-0.38487	*
				-31.00000	13.00000	99.75000	0.0	-0.12151	-0.42329	*
				-30.00000	13.00000	99.75000	0.0	-0.40693	-0.46235	*
				-29.00000	13.00000	99.75000	0.0	-0.73156	-0.50152	*
				-28.00000	13.00000	99.75000	0.0	-1.1020	-0.54035	*
				-27.00000	13.00000	99.75000	0.0	-1.5258	-0.57841	*
				-26.00000	13.00000	99.75000	0.0	-2.0116	-0.61531	*
				-25.00000	13.00000	99.75000	0.0	-2.5682	-0.65069	*
				-24.00000	13.00000	99.75000	0.0	-3.2041	-0.68420	*
				-23.00000	13.00000	99.75000	0.0	-3.9249	-0.71552	*
				-22.00000	13.00000	99.75000	0.0	-4.7301	-0.74437	*
				-21.00000	13.00000	99.75000	0.0	-5.6076	-0.77042	*
				-20.00000	13.00000	99.75000	0.0	-6.5280	-0.79334	*
				-19.00000	13.00000	99.75000	0.0	-7.4404	-0.81267	*
				-18.00000	13.00000	99.75000	0.0	-8.2000	-0.82789	*
				-17.00000	13.00000	99.75000	0.0	-8.2000	-0.83842	*
				-16.00000	13.00000	99.75000	0.0	-8.2000	-0.84371	*
				-15.00000	13.00000	99.75000	0.0	-8.2000	-0.84331	*
				-14.00000	13.00000	99.75000	0.0	-8.2000	-0.83693	*
				-13.00000	13.00000	99.75000	0.0	-8.2000	-0.82442	*
				-12.00000	13.00000	99.75000	0.0	-8.2000	-0.80582	*
				-11.00000	13.00000	99.75000	0.0	-5.6375	-0.78134	*
				-10.00000	13.00000	99.75000	0.0	-3.0750	-0.75127	*
				-9.00000	13.00000	99.75000	0.0	-3.0750	-0.71609	*
				-8.00000	13.00000	99.75000	0.0	-3.0750	-0.67637	*
				-7.00000	13.00000	99.75000	0.0	-3.0750	-0.63288	*
				-6.00000	13.00000	99.75000	0.0	-3.0750	-0.58660	*
				-5.00000	13.00000	99.75000	0.0	-3.0750	-0.53868	*
				-4.00000	13.00000	99.75000	-0.27373	-2.7591	-0.49035	*
				-3.00000	13.00000	99.75000	-0.52208	-2.4167	-0.44284	*
				-2.00000	13.00000	99.75000	-0.72533	-2.0734	-0.39717	*
				-1.00000	13.00000	99.75000	-0.87219	-1.7472	-0.35409	*
				0.00000	13.00000	99.75000	-0.95939	-1.4486	-0.31407	*
				1.00000	13.00000	99.75000	-0.98922	-1.1816	-0.27734	*



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				2.00000	13.00000	99.75000	-0.96705	-0.94606	-0.24392	*
				3.00000	13.00000	99.75000	-0.89937	-0.73973	-0.21371	*
				4.00000	13.00000	99.75000	-0.79268	-0.55947	-0.18652	*
				5.00000	13.00000	99.75000	-0.65290	-0.40196	-0.16213	*
				-40.00000	14.00000	99.75000	0.0	0.0	-0.13177	*
				-39.00000	14.00000	99.75000	0.0	0.0	-0.15102	*
				-38.00000	14.00000	99.75000	0.0	0.0	-0.17211	*
				-37.00000	14.00000	99.75000	0.0	0.0	-0.19510	*
				-36.00000	14.00000	99.75000	0.0	0.0	-0.21999	*
				-35.00000	14.00000	99.75000	0.0	0.0	-0.24674	*
				-34.00000	14.00000	99.75000	0.0	0.0	-0.27522	*
				-33.00000	14.00000	99.75000	0.0	0.0	-0.30520	*
				-32.00000	14.00000	99.75000	0.0	0.0	-0.33640	*
				-31.00000	14.00000	99.75000	0.0	0.0	-0.36847	*
				-30.00000	14.00000	99.75000	0.0	-0.27286	-0.40101	*
				-29.00000	14.00000	99.75000	0.0	-0.60813	-0.43363	*
				-28.00000	14.00000	99.75000	0.0	-0.98523	-0.46597	*
				-27.00000	14.00000	99.75000	0.0	-1.4096	-0.49765	*
				-26.00000	14.00000	99.75000	0.0	-1.8867	-0.52835	*
				-25.00000	14.00000	99.75000	0.0	-2.4214	-0.55775	*
				-24.00000	14.00000	99.75000	0.0	-3.0167	-0.58553	*
				-23.00000	14.00000	99.75000	0.0	-3.6721	-0.61141	*
				-22.00000	14.00000	99.75000	0.0	-4.3812	-0.63512	*
				-21.00000	14.00000	99.75000	0.0	-5.1280	-0.65635	*
				-20.00000	14.00000	99.75000	0.0	-5.8848	-0.67480	*
				-19.00000	14.00000	99.75000	0.0	-6.6114	-0.69011	*
				-18.00000	14.00000	99.75000	0.0	-7.2000	-0.70189	*
				-17.00000	14.00000	99.75000	0.0	-7.2000	-0.70975	*
				-16.00000	14.00000	99.75000	0.0	-7.2000	-0.71332	*
				-15.00000	14.00000	99.75000	0.0	-7.2000	-0.71229	*
				-14.00000	14.00000	99.75000	0.0	-7.2000	-0.70647	*
				-13.00000	14.00000	99.75000	0.0	-7.2000	-0.69577	*
				-12.00000	14.00000	99.75000	0.0	-7.2000	-0.68024	*
				-11.00000	14.00000	99.75000	0.0	-4.9500	-0.66002	*
				-10.00000	14.00000	99.75000	0.0	-2.7000	-0.63539	*
				-9.00000	14.00000	99.75000	0.0	-2.7000	-0.60674	*
				-8.00000	14.00000	99.75000	0.0	-2.7000	-0.57455	*
				-7.00000	14.00000	99.75000	0.0	-2.7000	-0.53945	*
				-6.00000	14.00000	99.75000	0.0	-2.7000	-0.50218	*
				-5.00000	14.00000	99.75000	0.0	-2.7000	-0.46358	*
				-4.00000	14.00000	99.75000	-0.20990	-2.4548	-0.42453	*
				-3.00000	14.00000	99.75000	-0.40228	-2.1814	-0.38589	*
				-2.00000	14.00000	99.75000	-0.56266	-1.8981	-0.34840	*
				-1.00000	14.00000	99.75000	-0.68144	-1.6196	-0.31264	*
				0.00000	14.00000	99.75000	-0.75414	-1.3558	-0.27903	*
				1.00000	14.00000	99.75000	-0.78037	-1.1122	-0.24779	*
				2.00000	14.00000	99.75000	-0.76253	-0.89111	-0.21904	*
				3.00000	14.00000	99.75000	-0.70450	-0.69250	-0.19275	*
				4.00000	14.00000	99.75000	-0.61073	-0.51516	-0.16885	*
				5.00000	14.00000	99.75000	-0.48566	-0.35725	-0.14721	*
				-40.00000	15.00000	99.75000	0.0	0.0	-0.11831	*
				-39.00000	15.00000	99.75000	0.0	0.0	-0.13534	*
				-38.00000	15.00000	99.75000	0.0	0.0	-0.15386	*
				-37.00000	15.00000	99.75000	0.0	0.0	-0.17389	*
				-36.00000	15.00000	99.75000	0.0	0.0	-0.19541	*
				-35.00000	15.00000	99.75000	0.0	0.0	-0.21837	*
				-34.00000	15.00000	99.75000	0.0	0.0	-0.24265	*
				-33.00000	15.00000	99.75000	0.0	0.0	-0.26806	*
				-32.00000	15.00000	99.75000	0.0	0.0	-0.29439	*
				-31.00000	15.00000	99.75000	0.0	0.0	-0.32136	*
				-30.00000	15.00000	99.75000	0.0	-0.077252	-0.34868	*
				-29.00000	15.00000	99.75000	0.0	-0.41456	-0.37603	*
				-28.00000	15.00000	99.75000	0.0	-0.78870	-0.40311	*
				-27.00000	15.00000	99.75000	0.0	-1.2031	-0.42963	*
				-26.00000	15.00000	99.75000	0.0	-1.6605	-0.45530	*
				-25.00000	15.00000	99.75000	0.0	-2.1627	-0.47983	*
				-24.00000	15.00000	99.75000	0.0	-2.7091	-0.50297	*
				-23.00000	15.00000	99.75000	0.0	-3.2955	-0.52445	*
				-22.00000	15.00000	99.75000	0.0	-3.9125	-0.54402	*
				-21.00000	15.00000	99.75000	0.0	-4.5438	-0.56143	*
				-20.00000	15.00000	99.75000	0.0	-5.1649	-0.57641	*
				-19.00000	15.00000	99.75000	0.0	-5.7440	-0.58866	*
				-18.00000	15.00000	99.75000	0.0	-6.2000	-0.59792	*
				-17.00000	15.00000	99.75000	0.0	-6.2000	-0.60388	*
				-16.00000	15.00000	99.75000	0.0	-6.2000	-0.60630	*
				-15.00000	15.00000	99.75000	0.0	-6.2000	-0.60496	*
				-14.00000	15.00000	99.75000	0.0	-6.2000	-0.59975	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	*
				-13.00000	15.00000	99.75000	0.0	-6.2000	-0.59061	*
				-12.00000	15.00000	99.75000	0.0	-6.2000	-0.57758	*
				-11.00000	15.00000	99.75000	0.0	-4.2625	-0.56080	*
				-10.00000	15.00000	99.75000	0.0	-2.3250	-0.54050	*
				-9.00000	15.00000	99.75000	0.0	-2.3250	-0.51699	*
				-8.00000	15.00000	99.75000	0.0	-2.3250	-0.49069	*
				-7.00000	15.00000	99.75000	0.0	-2.3250	-0.46208	*
				-6.00000	15.00000	99.75000	0.0	-2.3250	-0.43173	*
				-5.00000	15.00000	99.75000	0.0	-2.3250	-0.40026	*
				-4.00000	15.00000	99.75000	-0.16035	-2.1347	-0.36834	*
				-3.00000	15.00000	99.75000	-0.30805	-1.9162	-0.33657	*
				-2.00000	15.00000	99.75000	-0.43221	-1.6830	-0.30551	*
				-1.00000	15.00000	99.75000	-0.52490	-1.4468	-0.27563	*
				0.00000	15.00000	99.75000	-0.58150	-1.2166	-0.24726	*
				1.00000	15.00000	99.75000	-0.60038	-0.99814	-0.22063	*
				2.00000	15.00000	99.75000	-0.58213	-0.79472	-0.19587	*
				3.00000	15.00000	99.75000	-0.52883	-0.60778	-0.17300	*
				4.00000	15.00000	99.75000	-0.44338	-0.43744	-0.15202	*
				5.00000	15.00000	99.75000	-0.32895	-0.28303	-0.13286	*
				-40.00000	16.00000	99.75000	0.0	0.0	-0.10560	*
				-39.00000	16.00000	99.75000	0.0	0.0	-0.12066	*
				-38.00000	16.00000	99.75000	0.0	0.0	-0.13694	*
				-37.00000	16.00000	99.75000	0.0	0.0	-0.15442	*
				-36.00000	16.00000	99.75000	0.0	0.0	-0.17309	*
				-35.00000	16.00000	99.75000	0.0	0.0	-0.19287	*
				-34.00000	16.00000	99.75000	0.0	0.0	-0.21367	*
				-33.00000	16.00000	99.75000	0.0	0.0	-0.23534	*
				-32.00000	16.00000	99.75000	0.0	0.0	-0.25770	*
				-31.00000	16.00000	99.75000	0.0	0.0	-0.28053	*
				-30.00000	16.00000	99.75000	0.0	0.0	-0.30360	*
				-29.00000	16.00000	99.75000	0.0	-0.15432	-0.32666	*
				-28.00000	16.00000	99.75000	0.0	-0.51796	-0.34947	*
				-27.00000	16.00000	99.75000	0.0	-0.91463	-0.37177	*
				-26.00000	16.00000	99.75000	0.0	-1.3451	-0.39332	*
				-25.00000	16.00000	99.75000	0.0	-1.8088	-0.41388	*
				-24.00000	16.00000	99.75000	0.0	-2.3028	-0.43323	*
				-23.00000	16.00000	99.75000	0.0	-2.8209	-0.45113	*
				-22.00000	16.00000	99.75000	0.0	-3.3527	-0.46737	*
				-21.00000	16.00000	99.75000	0.0	-3.8828	-0.48172	*
				-20.00000	16.00000	99.75000	0.0	-4.3903	-0.49397	*
				-19.00000	16.00000	99.75000	0.0	-4.8498	-0.50387	*
				-18.00000	16.00000	99.75000	0.0	-5.2000	-0.51123	*
				-17.00000	16.00000	99.75000	0.0	-5.2000	-0.51581	*
				-16.00000	16.00000	99.75000	0.0	-5.2000	-0.51745	*
				-15.00000	16.00000	99.75000	0.0	-5.2000	-0.51601	*
				-14.00000	16.00000	99.75000	0.0	-5.2000	-0.51139	*
				-13.00000	16.00000	99.75000	0.0	-5.2000	-0.50357	*
				-12.00000	16.00000	99.75000	0.0	-5.2000	-0.49261	*
				-11.00000	16.00000	99.75000	0.0	-3.5750	-0.47862	*
				-10.00000	16.00000	99.75000	0.0	-1.9500	-0.46179	*
				-9.00000	16.00000	99.75000	0.0	-1.9500	-0.44238	*
				-8.00000	16.00000	99.75000	0.0	-1.9500	-0.42072	*
				-7.00000	16.00000	99.75000	0.0	-1.9500	-0.39719	*
				-6.00000	16.00000	99.75000	0.0	-1.9500	-0.37224	*
				-5.00000	16.00000	99.75000	0.0	-1.9500	-0.34635	*
				-4.00000	16.00000	99.75000	-0.12079	-1.8036	-0.31999	*
				-3.00000	16.00000	99.75000	-0.23211	-1.6296	-0.29364	*
				-2.00000	16.00000	99.75000	-0.32558	-1.4385	-0.26773	*
				-1.00000	16.00000	99.75000	-0.39468	-1.2397	-0.24260	*
				0.00000	16.00000	99.75000	-0.43512	-1.0407	-0.21855	*
				1.00000	16.00000	99.75000	-0.44471	-0.84719	-0.19578	*
				2.00000	16.00000	99.75000	-0.42305	-0.66288	-0.17442	*
				3.00000	16.00000	99.75000	-0.37102	-0.48993	-0.15453	*
				4.00000	16.00000	99.75000	-0.29036	-0.32935	-0.13613	*
				5.00000	16.00000	99.75000	-0.18324	-0.18132	-0.11919	*
				-40.00000	17.00000	99.75000	0.0	0.0	-0.093655	*
				-39.00000	17.00000	99.75000	0.0	0.0	-0.10698	*
				-38.00000	17.00000	99.75000	0.0	0.0	-0.12130	*
				-37.00000	17.00000	99.75000	0.0	0.0	-0.13658	*
				-36.00000	17.00000	99.75000	0.0	0.0	-0.15282	*
				-35.00000	17.00000	99.75000	0.0	0.0	-0.16993	*
				-34.00000	17.00000	99.75000	0.0	0.0	-0.18782	*
				-33.00000	17.00000	99.75000	0.0	0.0	-0.20639	*
				-32.00000	17.00000	99.75000	0.0	0.0	-0.22547	*
				-31.00000	17.00000	99.75000	0.0	0.0	-0.24489	*
				-30.00000	17.00000	99.75000	0.0	0.0	-0.26448	*
				-29.00000	17.00000	99.75000	0.0	0.0	-0.28402	*



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	*
				-28.00000	17.00000	99.75000	0.0	-0.17932	-0.30331	*
				-27.00000	17.00000	99.75000	0.0	-0.55294	-0.32214	*
				-26.00000	17.00000	99.75000	0.0	-0.95194	-0.34031	*
				-25.00000	17.00000	99.75000	0.0	-1.3741	-0.35761	*
				-24.00000	17.00000	99.75000	0.0	-1.8151	-0.37385	*
				-23.00000	17.00000	99.75000	0.0	-2.2680	-0.38883	*
				-22.00000	17.00000	99.75000	0.0	-2.7223	-0.40237	*
				-21.00000	17.00000	99.75000	0.0	-3.1640	-0.41426	*
				-20.00000	17.00000	99.75000	0.0	-3.5755	-0.42434	*
				-19.00000	17.00000	99.75000	0.0	-3.9362	-0.43241	*
				-18.00000	17.00000	99.75000	0.0	-4.2000	-0.43831	*
				-17.00000	17.00000	99.75000	0.0	-4.2000	-0.44188	*
				-16.00000	17.00000	99.75000	0.0	-4.2000	-0.44299	*
				-15.00000	17.00000	99.75000	0.0	-4.2000	-0.44155	*
				-14.00000	17.00000	99.75000	0.0	-4.2000	-0.43749	*
				-13.00000	17.00000	99.75000	0.0	-4.2000	-0.43080	*
				-12.00000	17.00000	99.75000	0.0	-4.2000	-0.42155	*
				-11.00000	17.00000	99.75000	0.0	-2.8875	-0.40983	*
				-10.00000	17.00000	99.75000	0.0	-1.5750	-0.39580	*
				-9.00000	17.00000	99.75000	0.0	-1.5750	-0.37967	*
				-8.00000	17.00000	99.75000	0.0	-1.5750	-0.36171	*
				-7.00000	17.00000	99.75000	0.0	-1.5750	-0.34222	*
				-6.00000	17.00000	99.75000	0.0	-1.5750	-0.32155	*
				-5.00000	17.00000	99.75000	0.0	-1.5750	-0.30007	*
				-4.00000	17.00000	99.75000	-0.088470	-1.4644	-0.27814	*
				-3.00000	17.00000	99.75000	-0.16965	-1.3273	-0.25612	*
				-2.00000	17.00000	99.75000	-0.23695	-1.1719	-0.23435	*
				-1.00000	17.00000	99.75000	-0.28500	-1.0058	-0.21312	*
				0.00000	17.00000	99.75000	-0.30993	-0.83535	-0.19265	*
				1.00000	17.00000	99.75000	-0.30943	-0.66582	-0.17312	*
				2.00000	17.00000	99.75000	-0.28255	-0.50090	-0.15466	*
				3.00000	17.00000	99.75000	-0.22939	-0.34313	-0.13735	*
				4.00000	17.00000	99.75000	-0.15090	-0.19404	-0.12121	*
				5.00000	17.00000	99.75000	-0.048471	-0.054400	-0.10626	*
				-40.00000	18.00000	99.75000	0.0	0.0	-0.082485	*
				-39.00000	18.00000	99.75000	0.0	0.0	-0.094276	*
				-38.00000	18.00000	99.75000	0.0	0.0	-0.10688	*
				-37.00000	18.00000	99.75000	0.0	0.0	-0.12027	*
				-36.00000	18.00000	99.75000	0.0	0.0	-0.13441	*
				-35.00000	18.00000	99.75000	0.0	0.0	-0.14925	*
				-34.00000	18.00000	99.75000	0.0	0.0	-0.16470	*
				-33.00000	18.00000	99.75000	0.0	0.0	-0.18067	*
				-32.00000	18.00000	99.75000	0.0	0.0	-0.19702	*
				-31.00000	18.00000	99.75000	0.0	0.0	-0.21363	*
				-30.00000	18.00000	99.75000	0.0	0.0	-0.23032	*
				-29.00000	18.00000	99.75000	0.0	0.0	-0.24695	*
				-28.00000	18.00000	99.75000	0.0	0.0	-0.26333	*
				-27.00000	18.00000	99.75000	0.0	-0.12632	-0.27929	*
				-26.00000	18.00000	99.75000	0.0	-0.49131	-0.29467	*
				-25.00000	18.00000	99.75000	0.0	-0.87100	-0.30928	*
				-24.00000	18.00000	99.75000	0.0	-1.2604	-0.32296	*
				-23.00000	18.00000	99.75000	0.0	-1.6521	-0.33554	*
				-22.00000	18.00000	99.75000	0.0	-2.0364	-0.34687	*
				-21.00000	18.00000	99.75000	0.0	-2.4007	-0.35678	*
				-20.00000	18.00000	99.75000	0.0	-2.7302	-0.36512	*
				-19.00000	18.00000	99.75000	0.0	-3.0081	-0.37174	*
				-18.00000	18.00000	99.75000	0.0	-3.2000	-0.37652	*
				-17.00000	18.00000	99.75000	0.0	-3.2000	-0.37933	*
				-16.00000	18.00000	99.75000	0.0	-3.2000	-0.38008	*
				-15.00000	18.00000	99.75000	0.0	-3.2000	-0.37869	*
				-14.00000	18.00000	99.75000	0.0	-3.2000	-0.37514	*
				-13.00000	18.00000	99.75000	0.0	-3.2000	-0.36943	*
				-12.00000	18.00000	99.75000	0.0	-3.2000	-0.36160	*
				-11.00000	18.00000	99.75000	0.0	-2.2000	-0.35174	*
				-10.00000	18.00000	99.75000	0.0	-1.2000	-0.33998	*
				-9.00000	18.00000	99.75000	0.0	-1.2000	-0.32651	*
				-8.00000	18.00000	99.75000	0.0	-1.2000	-0.31152	*
				-7.00000	18.00000	99.75000	0.0	-1.2000	-0.29527	*
				-6.00000	18.00000	99.75000	0.0	-1.2000	-0.27803	*
				-5.00000	18.00000	99.75000	0.0	-1.2000	-0.26008	*
				-4.00000	18.00000	99.75000	-0.061583	-1.1192	-0.24170	*
				-3.00000	18.00000	99.75000	-0.11742	-1.0131	-0.22320	*
				-2.00000	18.00000	99.75000	-0.16222	-0.88825	-0.20481	*
				-1.00000	18.00000	99.75000	-0.19153	-0.75080	-0.18677	*
				0.00000	18.00000	99.75000	-0.20196	-0.60628	-0.16929	*
				1.00000	18.00000	99.75000	-0.19122	-0.45927	-0.15250	*
				2.00000	18.00000	99.75000	-0.15809	-0.31335	-0.13652	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Made by Date
AT 30-Aug-2023

Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				3.00000	18.00000	99.75000	-0.10222	-0.17117	-0.12144	*
				4.00000	18.00000	99.75000	-0.023976	-0.034547	-0.10729	*
				5.00000	18.00000	99.75000	0.0	0.0	-0.094088	*
				-40.00000	19.00000	99.75000	0.0	0.0	-0.072072	*
				-39.00000	19.00000	99.75000	0.0	0.0	-0.082508	*
				-38.00000	19.00000	99.75000	0.0	0.0	-0.093608	*
				-37.00000	19.00000	99.75000	0.0	0.0	-0.10535	*
				-36.00000	19.00000	99.75000	0.0	0.0	-0.11770	*
				-35.00000	19.00000	99.75000	0.0	0.0	-0.13060	*
				-34.00000	19.00000	99.75000	0.0	0.0	-0.14398	*
				-33.00000	19.00000	99.75000	0.0	0.0	-0.15776	*
				-32.00000	19.00000	99.75000	0.0	0.0	-0.17183	*
				-31.00000	19.00000	99.75000	0.0	0.0	-0.18607	*
				-30.00000	19.00000	99.75000	0.0	0.0	-0.20036	*
				-29.00000	19.00000	99.75000	0.0	0.0	-0.21455	*
				-28.00000	19.00000	99.75000	0.0	0.0	-0.22851	*
				-27.00000	19.00000	99.75000	0.0	0.0	-0.24209	*
				-26.00000	19.00000	99.75000	0.0	0.0	-0.25515	*
				-25.00000	19.00000	99.75000	0.0	-0.30998	-0.26753	*
				-24.00000	19.00000	99.75000	0.0	-0.64992	-0.27909	*
				-23.00000	19.00000	99.75000	0.0	-0.98505	-0.28970	*
				-22.00000	19.00000	99.75000	0.0	-1.3063	-0.29922	*
				-21.00000	19.00000	99.75000	0.0	-1.6026	-0.30751	*
				-20.00000	19.00000	99.75000	0.0	-1.8614	-0.31444	*
				-19.00000	19.00000	99.75000	0.0	-2.0687	-0.31992	*
				-18.00000	19.00000	99.75000	0.0	-2.2000	-0.32381	*
				-17.00000	19.00000	99.75000	0.0	-2.2000	-0.32605	*
				-16.00000	19.00000	99.75000	0.0	-2.2000	-0.32654	*
				-15.00000	19.00000	99.75000	0.0	-2.2000	-0.32525	*
				-14.00000	19.00000	99.75000	0.0	-2.2000	-0.32216	*
				-13.00000	19.00000	99.75000	0.0	-2.2000	-0.31726	*
				-12.00000	19.00000	99.75000	0.0	-2.2000	-0.31062	*
				-11.00000	19.00000	99.75000	0.0	-1.5125	-0.30229	*
				-10.00000	19.00000	99.75000	0.0	-0.82500	-0.29240	*
				-9.00000	19.00000	99.75000	0.0	-0.82500	-0.28109	*
				-8.00000	19.00000	99.75000	0.0	-0.82500	-0.26852	*
				-7.00000	19.00000	99.75000	0.0	-0.82500	-0.25489	*
				-6.00000	19.00000	99.75000	0.0	-0.82500	-0.24042	*
				-5.00000	19.00000	99.75000	0.0	-0.82500	-0.22533	*
				-4.00000	19.00000	99.75000	-0.038866	-0.76941	-0.20985	*
				-3.00000	19.00000	99.75000	-0.073107	-0.68970	-0.19420	*
				-2.00000	19.00000	99.75000	-0.098415	-0.59120	-0.17860	*
				-1.00000	19.00000	99.75000	-0.11106	-0.47902	-0.16322	*
				0.00000	19.00000	99.75000	-0.10808	-0.35787	-0.14823	*
				1.00000	19.00000	99.75000	-0.087316	-0.23179	-0.13376	*
				2.00000	19.00000	99.75000	-0.047442	-0.10411	-0.11991	*
				3.00000	19.00000	99.75000	0.0	0.0	-0.10675	*
				4.00000	19.00000	99.75000	0.0	0.0	-0.094342	*
				5.00000	19.00000	99.75000	0.0	0.0	-0.082699	*
				-40.00000	20.00000	99.75000	0.0	0.0	-0.062395	*
				-39.00000	20.00000	99.75000	0.0	0.0	-0.071632	*
				-38.00000	20.00000	99.75000	0.0	0.0	-0.081417	*
				-37.00000	20.00000	99.75000	0.0	0.0	-0.091727	*
				-36.00000	20.00000	99.75000	0.0	0.0	-0.10253	*
				-35.00000	20.00000	99.75000	0.0	0.0	-0.11376	*
				-34.00000	20.00000	99.75000	0.0	0.0	-0.12538	*
				-33.00000	20.00000	99.75000	0.0	0.0	-0.13730	*
				-32.00000	20.00000	99.75000	0.0	0.0	-0.14944	*
				-31.00000	20.00000	99.75000	0.0	0.0	-0.16170	*
				-30.00000	20.00000	99.75000	0.0	0.0	-0.17396	*
				-29.00000	20.00000	99.75000	0.0	0.0	-0.18612	*
				-28.00000	20.00000	99.75000	0.0	0.0	-0.19806	*
				-27.00000	20.00000	99.75000	0.0	0.0	-0.20964	*
				-26.00000	20.00000	99.75000	0.0	0.0	-0.22076	*
				-25.00000	20.00000	99.75000	0.0	0.0	-0.23129	*
				-24.00000	20.00000	99.75000	0.0	0.0	-0.24109	*
				-23.00000	20.00000	99.75000	0.0	-0.27599	-0.25007	*
				-22.00000	20.00000	99.75000	0.0	-0.54045	-0.25809	*
				-21.00000	20.00000	99.75000	0.0	-0.77672	-0.26505	*
				-20.00000	20.00000	99.75000	0.0	-0.97397	-0.27085	*
				-19.00000	20.00000	99.75000	0.0	-1.1207	-0.27540	*
				-18.00000	20.00000	99.75000	0.0	-1.2000	-0.27860	*
				-17.00000	20.00000	99.75000	0.0	-1.2000	-0.28039	*
				-16.00000	20.00000	99.75000	0.0	-1.2000	-0.28071	*
				-15.00000	20.00000	99.75000	0.0	-1.2000	-0.27953	*
				-14.00000	20.00000	99.75000	0.0	-1.2000	-0.27684	*
				-13.00000	20.00000	99.75000	0.0	-1.2000	-0.27264	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-12.00000	20.00000	99.75000	0.0	-1.2000	-0.26699	*
				-11.00000	20.00000	99.75000	0.0	-0.82500	-0.25994	*
				-10.00000	20.00000	99.75000	0.0	-0.45000	-0.25158	*
				-9.00000	20.00000	99.75000	0.0	-0.45000	-0.24204	*
				-8.00000	20.00000	99.75000	0.0	-0.45000	-0.23144	*
				-7.00000	20.00000	99.75000	0.0	-0.45000	-0.21995	*
				-6.00000	20.00000	99.75000	0.0	-0.45000	-0.20775	*
				-5.00000	20.00000	99.75000	0.0	-0.45000	-0.19500	*
				-4.00000	20.00000	99.75000	-0.019420	-0.41596	-0.18189	*
				-3.00000	20.00000	99.75000	-0.035054	-0.35899	-0.16860	*
				-2.00000	20.00000	99.75000	-0.043339	-0.28345	-0.15530	*
				-1.00000	20.00000	99.75000	-0.041130	-0.19364	-0.14214	*
				0.00000	20.00000	99.75000	-0.025830	-0.093572	-0.12926	*
				1.00000	20.00000	99.75000	0.0	0.0	-0.11675	*
				2.00000	20.00000	99.75000	0.0	0.0	-0.10473	*
				3.00000	20.00000	99.75000	0.0	0.0	-0.093244	*
				4.00000	20.00000	99.75000	0.0	0.0	-0.082353	*
				5.00000	20.00000	99.75000	0.0	0.0	-0.072084	*
				-40.00000	21.00000	99.75000	0.0	0.0	-0.053423	*
				-39.00000	21.00000	99.75000	0.0	0.0	-0.061602	*
				-38.00000	21.00000	99.75000	0.0	0.0	-0.070232	*
				-37.00000	21.00000	99.75000	0.0	0.0	-0.079293	*
				-36.00000	21.00000	99.75000	0.0	0.0	-0.088749	*
				-35.00000	21.00000	99.75000	0.0	0.0	-0.098557	*
				-34.00000	21.00000	99.75000	0.0	0.0	-0.10866	*
				-33.00000	21.00000	99.75000	0.0	0.0	-0.11900	*
				-32.00000	21.00000	99.75000	0.0	0.0	-0.12950	*
				-31.00000	21.00000	99.75000	0.0	0.0	-0.14008	*
				-30.00000	21.00000	99.75000	0.0	0.0	-0.15063	*
				-29.00000	21.00000	99.75000	0.0	0.0	-0.16108	*
				-28.00000	21.00000	99.75000	0.0	0.0	-0.17131	*
				-27.00000	21.00000	99.75000	0.0	0.0	-0.18123	*
				-26.00000	21.00000	99.75000	0.0	0.0	-0.19072	*
				-25.00000	21.00000	99.75000	0.0	0.0	-0.19969	*
				-24.00000	21.00000	99.75000	0.0	0.0	-0.20803	*
				-23.00000	21.00000	99.75000	0.0	0.0	-0.21565	*
				-22.00000	21.00000	99.75000	0.0	0.0	-0.22244	*
				-21.00000	21.00000	99.75000	0.0	0.0	-0.22831	*
				-20.00000	21.00000	99.75000	0.0	-0.071648	-0.23318	*
				-19.00000	21.00000	99.75000	0.0	-0.16563	-0.23697	*
				-18.00000	21.00000	99.75000	0.0	-0.20000	-0.23962	*
				-17.00000	21.00000	99.75000	0.0	-0.20000	-0.24106	*
				-16.00000	21.00000	99.75000	0.0	-0.20000	-0.24127	*
				-15.00000	21.00000	99.75000	0.0	-0.20000	-0.24020	*
				-14.00000	21.00000	99.75000	0.0	-0.20000	-0.23786	*
				-13.00000	21.00000	99.75000	0.0	-0.20000	-0.23426	*
				-12.00000	21.00000	99.75000	0.0	-0.20000	-0.22944	*
				-11.00000	21.00000	99.75000	0.0	-0.13750	-0.22344	*
				-10.00000	21.00000	99.75000	0.0	-0.075000	-0.21636	*
				-9.00000	21.00000	99.75000	0.0	-0.075000	-0.20827	*
				-8.00000	21.00000	99.75000	0.0	-0.075000	-0.19930	*
				-7.00000	21.00000	99.75000	0.0	-0.075000	-0.18958	*
				-6.00000	21.00000	99.75000	0.0	-0.075000	-0.17923	*
				-5.00000	21.00000	99.75000	0.0	-0.075000	-0.16842	*
				-4.00000	21.00000	99.75000	-0.0025874	-0.059618	-0.15727	*
				-3.00000	21.00000	99.75000	-0.0020288	-0.022415	-0.14594	*
				-2.00000	21.00000	99.75000	0.0	0.0	-0.13456	*
				-1.00000	21.00000	99.75000	0.0	0.0	-0.12327	*
				0.00000	21.00000	99.75000	0.0	0.0	-0.11216	*
				1.00000	21.00000	99.75000	0.0	0.0	-0.10133	*
				2.00000	21.00000	99.75000	0.0	0.0	-0.090873	*
				3.00000	21.00000	99.75000	0.0	0.0	-0.080840	*
				4.00000	21.00000	99.75000	0.0	0.0	-0.071280	*
				5.00000	21.00000	99.75000	0.0	0.0	-0.062224	*
				-40.00000	22.00000	99.75000	0.0	0.0	-0.045125	*
				-39.00000	22.00000	99.75000	0.0	0.0	-0.052366	*
				-38.00000	22.00000	99.75000	0.0	0.0	-0.059982	*
				-37.00000	22.00000	99.75000	0.0	0.0	-0.067951	*
				-36.00000	22.00000	99.75000	0.0	0.0	-0.076241	*
				-35.00000	22.00000	99.75000	0.0	0.0	-0.084814	*
				-34.00000	22.00000	99.75000	0.0	0.0	-0.093621	*
				-33.00000	22.00000	99.75000	0.0	0.0	-0.10261	*
				-32.00000	22.00000	99.75000	0.0	0.0	-0.11171	*
				-31.00000	22.00000	99.75000	0.0	0.0	-0.12085	*
				-30.00000	22.00000	99.75000	0.0	0.0	-0.12996	*
				-29.00000	22.00000	99.75000	0.0	0.0	-0.13896	*
				-28.00000	22.00000	99.75000	0.0	0.0	-0.14775	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-27.00000	22.00000	99.75000	0.0	0.0	-0.15626	*
				-26.00000	22.00000	99.75000	0.0	0.0	-0.16439	*
				-25.00000	22.00000	99.75000	0.0	0.0	-0.17205	*
				-24.00000	22.00000	99.75000	0.0	0.0	-0.17917	*
				-23.00000	22.00000	99.75000	0.0	0.0	-0.18565	*
				-22.00000	22.00000	99.75000	0.0	0.0	-0.19141	*
				-21.00000	22.00000	99.75000	0.0	0.0	-0.19638	*
				-20.00000	22.00000	99.75000	0.0	0.0	-0.20049	*
				-19.00000	22.00000	99.75000	0.0	0.0	-0.20367	*
				-18.00000	22.00000	99.75000	0.0	0.0	-0.20586	*
				-17.00000	22.00000	99.75000	0.0	0.0	-0.20704	*
				-16.00000	22.00000	99.75000	0.0	0.0	-0.20716	*
				-15.00000	22.00000	99.75000	0.0	0.0	-0.20620	*
				-14.00000	22.00000	99.75000	0.0	0.0	-0.20417	*
				-13.00000	22.00000	99.75000	0.0	0.0	-0.20108	*
				-12.00000	22.00000	99.75000	0.0	0.0	-0.19696	*
				-11.00000	22.00000	99.75000	0.0	0.0	-0.19185	*
				-10.00000	22.00000	99.75000	0.0	0.0	-0.18582	*
				-9.00000	22.00000	99.75000	0.0	0.0	-0.17895	*
				-8.00000	22.00000	99.75000	0.0	0.0	-0.17132	*
				-7.00000	22.00000	99.75000	0.0	0.0	-0.16306	*
				-6.00000	22.00000	99.75000	0.0	0.0	-0.15426	*
				-5.00000	22.00000	99.75000	0.0	0.0	-0.14504	*
				-4.00000	22.00000	99.75000	0.0	0.0	-0.13553	*
				-3.00000	22.00000	99.75000	0.0	0.0	-0.12583	*
				-2.00000	22.00000	99.75000	0.0	0.0	-0.11607	*
				-1.00000	22.00000	99.75000	0.0	0.0	-0.10634	*
				0.00000	22.00000	99.75000	0.0	0.0	-0.096744	*
				1.00000	22.00000	99.75000	0.0	0.0	-0.087356	*
				2.00000	22.00000	99.75000	0.0	0.0	-0.078248	*
				3.00000	22.00000	99.75000	0.0	0.0	-0.069474	*
				4.00000	22.00000	99.75000	0.0	0.0	-0.061078	*
				5.00000	22.00000	99.75000	0.0	0.0	-0.053093	*
				-40.00000	23.00000	99.75000	0.0	0.0	-0.037465	*
				-39.00000	23.00000	99.75000	0.0	0.0	-0.043876	*
				-38.00000	23.00000	99.75000	0.0	0.0	-0.050599	*
				-37.00000	23.00000	99.75000	0.0	0.0	-0.057612	*
				-36.00000	23.00000	99.75000	0.0	0.0	-0.064887	*
				-35.00000	23.00000	99.75000	0.0	0.0	-0.072389	*
				-34.00000	23.00000	99.75000	0.0	0.0	-0.080075	*
				-33.00000	23.00000	99.75000	0.0	0.0	-0.087896	*
				-32.00000	23.00000	99.75000	0.0	0.0	-0.095799	*
				-31.00000	23.00000	99.75000	0.0	0.0	-0.10372	*
				-30.00000	23.00000	99.75000	0.0	0.0	-0.11160	*
				-29.00000	23.00000	99.75000	0.0	0.0	-0.11936	*
				-28.00000	23.00000	99.75000	0.0	0.0	-0.12694	*
				-27.00000	23.00000	99.75000	0.0	0.0	-0.13425	*
				-26.00000	23.00000	99.75000	0.0	0.0	-0.14123	*
				-25.00000	23.00000	99.75000	0.0	0.0	-0.14780	*
				-24.00000	23.00000	99.75000	0.0	0.0	-0.15388	*
				-23.00000	23.00000	99.75000	0.0	0.0	-0.15941	*
				-22.00000	23.00000	99.75000	0.0	0.0	-0.16432	*
				-21.00000	23.00000	99.75000	0.0	0.0	-0.16853	*
				-20.00000	23.00000	99.75000	0.0	0.0	-0.17201	*
				-19.00000	23.00000	99.75000	0.0	0.0	-0.17468	*
				-18.00000	23.00000	99.75000	0.0	0.0	-0.17652	*
				-17.00000	23.00000	99.75000	0.0	0.0	-0.17748	*
				-16.00000	23.00000	99.75000	0.0	0.0	-0.17755	*
				-15.00000	23.00000	99.75000	0.0	0.0	-0.17670	*
				-14.00000	23.00000	99.75000	0.0	0.0	-0.17493	*
				-13.00000	23.00000	99.75000	0.0	0.0	-0.17227	*
				-12.00000	23.00000	99.75000	0.0	0.0	-0.16874	*
				-11.00000	23.00000	99.75000	0.0	0.0	-0.16437	*
				-10.00000	23.00000	99.75000	0.0	0.0	-0.15923	*
				-9.00000	23.00000	99.75000	0.0	0.0	-0.15336	*
				-8.00000	23.00000	99.75000	0.0	0.0	-0.14687	*
				-7.00000	23.00000	99.75000	0.0	0.0	-0.13981	*
				-6.00000	23.00000	99.75000	0.0	0.0	-0.13230	*
				-5.00000	23.00000	99.75000	0.0	0.0	-0.12442	*
				-4.00000	23.00000	99.75000	0.0	0.0	-0.11628	*
				-3.00000	23.00000	99.75000	0.0	0.0	-0.10796	*
				-2.00000	23.00000	99.75000	0.0	0.0	-0.099555	*
				-1.00000	23.00000	99.75000	0.0	0.0	-0.091161	*
				0.00000	23.00000	99.75000	0.0	0.0	-0.082851	*
				1.00000	23.00000	99.75000	0.0	0.0	-0.074696	*
				2.00000	23.00000	99.75000	0.0	0.0	-0.066754	*
				3.00000	23.00000	99.75000	0.0	0.0	-0.059076	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				4.00000	23.00000	99.75000	0.0	0.0	-0.051701	*
				5.00000	23.00000	99.75000	0.0	0.0	-0.044659	*
				-40.00000	24.00000	99.75000	0.0	0.0	-0.030408	*
				-39.00000	24.00000	99.75000	0.0	0.0	-0.036084	*
				-38.00000	24.00000	99.75000	0.0	0.0	-0.042019	*
				-37.00000	24.00000	99.75000	0.0	0.0	-0.048194	*
				-36.00000	24.00000	99.75000	0.0	0.0	-0.054582	*
				-35.00000	24.00000	99.75000	0.0	0.0	-0.061153	*
				-34.00000	24.00000	99.75000	0.0	0.0	-0.067868	*
				-33.00000	24.00000	99.75000	0.0	0.0	-0.074686	*
				-32.00000	24.00000	99.75000	0.0	0.0	-0.081560	*
				-31.00000	24.00000	99.75000	0.0	0.0	-0.088436	*
				-30.00000	24.00000	99.75000	0.0	0.0	-0.095260	*
				-29.00000	24.00000	99.75000	0.0	0.0	-0.10197	*
				-28.00000	24.00000	99.75000	0.0	0.0	-0.10851	*
				-27.00000	24.00000	99.75000	0.0	0.0	-0.11481	*
				-26.00000	24.00000	99.75000	0.0	0.0	-0.12081	*
				-25.00000	24.00000	99.75000	0.0	0.0	-0.12645	*
				-24.00000	24.00000	99.75000	0.0	0.0	-0.13167	*
				-23.00000	24.00000	99.75000	0.0	0.0	-0.13640	*
				-22.00000	24.00000	99.75000	0.0	0.0	-0.14058	*
				-21.00000	24.00000	99.75000	0.0	0.0	-0.14417	*
				-20.00000	24.00000	99.75000	0.0	0.0	-0.14712	*
				-19.00000	24.00000	99.75000	0.0	0.0	-0.14939	*
				-18.00000	24.00000	99.75000	0.0	0.0	-0.15093	*
				-17.00000	24.00000	99.75000	0.0	0.0	-0.15172	*
				-16.00000	24.00000	99.75000	0.0	0.0	-0.15174	*
				-15.00000	24.00000	99.75000	0.0	0.0	-0.15099	*
				-14.00000	24.00000	99.75000	0.0	0.0	-0.14946	*
				-13.00000	24.00000	99.75000	0.0	0.0	-0.14717	*
				-12.00000	24.00000	99.75000	0.0	0.0	-0.14413	*
				-11.00000	24.00000	99.75000	0.0	0.0	-0.14039	*
				-10.00000	24.00000	99.75000	0.0	0.0	-0.13599	*
				-9.00000	24.00000	99.75000	0.0	0.0	-0.13098	*
				-8.00000	24.00000	99.75000	0.0	0.0	-0.12542	*
				-7.00000	24.00000	99.75000	0.0	0.0	-0.11938	*
				-6.00000	24.00000	99.75000	0.0	0.0	-0.11295	*
				-5.00000	24.00000	99.75000	0.0	0.0	-0.10620	*
				-4.00000	24.00000	99.75000	0.0	0.0	-0.099199	*
				-3.00000	24.00000	99.75000	0.0	0.0	-0.092040	*
				-2.00000	24.00000	99.75000	0.0	0.0	-0.084794	*
				-1.00000	24.00000	99.75000	0.0	0.0	-0.077535	*
				0.00000	24.00000	99.75000	0.0	0.0	-0.070328	*
				1.00000	24.00000	99.75000	0.0	0.0	-0.063232	*
				2.00000	24.00000	99.75000	0.0	0.0	-0.056301	*
				3.00000	24.00000	99.75000	0.0	0.0	-0.049577	*
				4.00000	24.00000	99.75000	0.0	0.0	-0.043096	*
				5.00000	24.00000	99.75000	0.0	0.0	-0.036888	*
				-40.00000	25.00000	99.75000	0.0	0.0	-0.023917	*
				-39.00000	25.00000	99.75000	0.0	0.0	-0.028941	*
				-38.00000	25.00000	99.75000	0.0	0.0	-0.034181	*
				-37.00000	25.00000	99.75000	0.0	0.0	-0.039620	*
				-36.00000	25.00000	99.75000	0.0	0.0	-0.045233	*
				-35.00000	25.00000	99.75000	0.0	0.0	-0.050992	*
				-34.00000	25.00000	99.75000	0.0	0.0	-0.056865	*
				-33.00000	25.00000	99.75000	0.0	0.0	-0.062815	*
				-32.00000	25.00000	99.75000	0.0	0.0	-0.068801	*
				-31.00000	25.00000	99.75000	0.0	0.0	-0.074778	*
				-30.00000	25.00000	99.75000	0.0	0.0	-0.080698	*
				-29.00000	25.00000	99.75000	0.0	0.0	-0.086510	*
				-28.00000	25.00000	99.75000	0.0	0.0	-0.092163	*
				-27.00000	25.00000	99.75000	0.0	0.0	-0.097603	*
				-26.00000	25.00000	99.75000	0.0	0.0	-0.10277	*
				-25.00000	25.00000	99.75000	0.0	0.0	-0.10763	*
				-24.00000	25.00000	99.75000	0.0	0.0	-0.11210	*
				-23.00000	25.00000	99.75000	0.0	0.0	-0.11616	*
				-22.00000	25.00000	99.75000	0.0	0.0	-0.11974	*
				-21.00000	25.00000	99.75000	0.0	0.0	-0.12281	*
				-20.00000	25.00000	99.75000	0.0	0.0	-0.12532	*
				-19.00000	25.00000	99.75000	0.0	0.0	-0.12723	*
				-18.00000	25.00000	99.75000	0.0	0.0	-0.12853	*
				-17.00000	25.00000	99.75000	0.0	0.0	-0.12919	*
				-16.00000	25.00000	99.75000	0.0	0.0	-0.12919	*
				-15.00000	25.00000	99.75000	0.0	0.0	-0.12852	*
				-14.00000	25.00000	99.75000	0.0	0.0	-0.12720	*
				-13.00000	25.00000	99.75000	0.0	0.0	-0.12522	*
				-12.00000	25.00000	99.75000	0.0	0.0	-0.12261	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-11.00000	25.00000	99.75000	0.0	0.0	-0.11939	*
				-10.00000	25.00000	99.75000	0.0	0.0	-0.11562	*
				-9.00000	25.00000	99.75000	0.0	0.0	-0.11132	*
				-8.00000	25.00000	99.75000	0.0	0.0	-0.10655	*
				-7.00000	25.00000	99.75000	0.0	0.0	-0.10138	*
				-6.00000	25.00000	99.75000	0.0	0.0	-0.095855	*
				-5.00000	25.00000	99.75000	0.0	0.0	-0.090048	*
				-4.00000	25.00000	99.75000	0.0	0.0	-0.084024	*
				-3.00000	25.00000	99.75000	0.0	0.0	-0.077850	*
				-2.00000	25.00000	99.75000	0.0	0.0	-0.071587	*
				-1.00000	25.00000	99.75000	0.0	0.0	-0.065298	*
				0.00000	25.00000	99.75000	0.0	0.0	-0.059038	*
				1.00000	25.00000	99.75000	0.0	0.0	-0.052858	*
				2.00000	25.00000	99.75000	0.0	0.0	-0.046803	*
				3.00000	25.00000	99.75000	0.0	0.0	-0.040911	*
				4.00000	25.00000	99.75000	0.0	0.0	-0.035215	*
				5.00000	25.00000	99.75000	0.0	0.0	-0.029742	*
				-40.00000	26.00000	99.75000	0.0	0.0	-0.017958	*
				-39.00000	26.00000	99.75000	0.0	0.0	-0.022403	*
				-38.00000	26.00000	99.75000	0.0	0.0	-0.027030	*
				-37.00000	26.00000	99.75000	0.0	0.0	-0.031820	*
				-36.00000	26.00000	99.75000	0.0	0.0	-0.036753	*
				-35.00000	26.00000	99.75000	0.0	0.0	-0.041804	*
				-34.00000	26.00000	99.75000	0.0	0.0	-0.046944	*
				-33.00000	26.00000	99.75000	0.0	0.0	-0.052142	*
				-32.00000	26.00000	99.75000	0.0	0.0	-0.057360	*
				-31.00000	26.00000	99.75000	0.0	0.0	-0.062561	*
				-30.00000	26.00000	99.75000	0.0	0.0	-0.067704	*
				-29.00000	26.00000	99.75000	0.0	0.0	-0.072745	*
				-28.00000	26.00000	99.75000	0.0	0.0	-0.077639	*
				-27.00000	26.00000	99.75000	0.0	0.0	-0.082341	*
				-26.00000	26.00000	99.75000	0.0	0.0	-0.086806	*
				-25.00000	26.00000	99.75000	0.0	0.0	-0.090987	*
				-24.00000	26.00000	99.75000	0.0	0.0	-0.094840	*
				-23.00000	26.00000	99.75000	0.0	0.0	-0.098322	*
				-22.00000	26.00000	99.75000	0.0	0.0	-0.10139	*
				-21.00000	26.00000	99.75000	0.0	0.0	-0.10402	*
				-20.00000	26.00000	99.75000	0.0	0.0	-0.10616	*
				-19.00000	26.00000	99.75000	0.0	0.0	-0.10779	*
				-18.00000	26.00000	99.75000	0.0	0.0	-0.10889	*
				-17.00000	26.00000	99.75000	0.0	0.0	-0.10944	*
				-16.00000	26.00000	99.75000	0.0	0.0	-0.10942	*
				-15.00000	26.00000	99.75000	0.0	0.0	-0.10883	*
				-14.00000	26.00000	99.75000	0.0	0.0	-0.10768	*
				-13.00000	26.00000	99.75000	0.0	0.0	-0.10597	*
				-12.00000	26.00000	99.75000	0.0	0.0	-0.10372	*
				-11.00000	26.00000	99.75000	0.0	0.0	-0.10096	*
				-10.00000	26.00000	99.75000	0.0	0.0	-0.097711	*
				-9.00000	26.00000	99.75000	0.0	0.0	-0.094018	*
				-8.00000	26.00000	99.75000	0.0	0.0	-0.089922	*
				-7.00000	26.00000	99.75000	0.0	0.0	-0.085472	*
				-6.00000	26.00000	99.75000	0.0	0.0	-0.080719	*
				-5.00000	26.00000	99.75000	0.0	0.0	-0.075717	*
				-4.00000	26.00000	99.75000	0.0	0.0	-0.070520	*
				-3.00000	26.00000	99.75000	0.0	0.0	-0.065184	*
				-2.00000	26.00000	99.75000	0.0	0.0	-0.059762	*
				-1.00000	26.00000	99.75000	0.0	0.0	-0.054305	*
				0.00000	26.00000	99.75000	0.0	0.0	-0.048861	*
				1.00000	26.00000	99.75000	0.0	0.0	-0.043472	*
				2.00000	26.00000	99.75000	0.0	0.0	-0.038179	*
				3.00000	26.00000	99.75000	0.0	0.0	-0.033015	*
				4.00000	26.00000	99.75000	0.0	0.0	-0.028009	*
				5.00000	26.00000	99.75000	0.0	0.0	-0.023184	*
				-40.00000	27.00000	99.75000	0.0	0.0	-0.012497	*
				-39.00000	27.00000	99.75000	0.0	0.0	-0.016428	*
				-38.00000	27.00000	99.75000	0.0	0.0	-0.020511	*
				-37.00000	27.00000	99.75000	0.0	0.0	-0.024730	*
				-36.00000	27.00000	99.75000	0.0	0.0	-0.029067	*
				-35.00000	27.00000	99.75000	0.0	0.0	-0.033498	*
				-34.00000	27.00000	99.75000	0.0	0.0	-0.037999	*
				-33.00000	27.00000	99.75000	0.0	0.0	-0.042542	*
				-32.00000	27.00000	99.75000	0.0	0.0	-0.047095	*
				-31.00000	27.00000	99.75000	0.0	0.0	-0.051626	*
				-30.00000	27.00000	99.75000	0.0	0.0	-0.056098	*
				-29.00000	27.00000	99.75000	0.0	0.0	-0.060474	*
				-28.00000	27.00000	99.75000	0.0	0.0	-0.064718	*
				-27.00000	27.00000	99.75000	0.0	0.0	-0.068788	*

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-26.00000	27.00000	99.75000	0.0	0.0	-0.072647	*
				-25.00000	27.00000	99.75000	0.0	0.0	-0.076256	*
				-24.00000	27.00000	99.75000	0.0	0.0	-0.079577	*
				-23.00000	27.00000	99.75000	0.0	0.0	-0.082574	*
				-22.00000	27.00000	99.75000	0.0	0.0	-0.085213	*
				-21.00000	27.00000	99.75000	0.0	0.0	-0.087463	*
				-20.00000	27.00000	99.75000	0.0	0.0	-0.089296	*
				-19.00000	27.00000	99.75000	0.0	0.0	-0.090688	*
				-18.00000	27.00000	99.75000	0.0	0.0	-0.091620	*
				-17.00000	27.00000	99.75000	0.0	0.0	-0.092076	*
				-16.00000	27.00000	99.75000	0.0	0.0	-0.092049	*
				-15.00000	27.00000	99.75000	0.0	0.0	-0.091533	*
				-14.00000	27.00000	99.75000	0.0	0.0	-0.090532	*
				-13.00000	27.00000	99.75000	0.0	0.0	-0.089054	*
				-12.00000	27.00000	99.75000	0.0	0.0	-0.087114	*
				-11.00000	27.00000	99.75000	0.0	0.0	-0.084732	*
				-10.00000	27.00000	99.75000	0.0	0.0	-0.081936	*
				-9.00000	27.00000	99.75000	0.0	0.0	-0.078756	*
				-8.00000	27.00000	99.75000	0.0	0.0	-0.075229	*
				-7.00000	27.00000	99.75000	0.0	0.0	-0.071395	*
				-6.00000	27.00000	99.75000	0.0	0.0	-0.067297	*
				-5.00000	27.00000	99.75000	0.0	0.0	-0.062979	*
				-4.00000	27.00000	99.75000	0.0	0.0	-0.058488	*
				-3.00000	27.00000	99.75000	0.0	0.0	-0.053870	*
				-2.00000	27.00000	99.75000	0.0	0.0	-0.049169	*
				-1.00000	27.00000	99.75000	0.0	0.0	-0.044428	*
				0.00000	27.00000	99.75000	0.0	0.0	-0.039688	*
				1.00000	27.00000	99.75000	0.0	0.0	-0.034986	*
				2.00000	27.00000	99.75000	0.0	0.0	-0.030357	*
				3.00000	27.00000	99.75000	0.0	0.0	-0.025829	*
				4.00000	27.00000	99.75000	0.0	0.0	-0.021429	*
				5.00000	27.00000	99.75000	0.0	0.0	-0.017178	*
				-40.00000	28.00000	99.75000	0.0	0.0	-0.0075002	*
				-39.00000	28.00000	99.75000	0.0	0.0	-0.010974	*
				-38.00000	28.00000	99.75000	0.0	0.0	-0.014577	*
				-37.00000	28.00000	99.75000	0.0	0.0	-0.018292	*
				-36.00000	28.00000	99.75000	0.0	0.0	-0.022104	*
				-35.00000	28.00000	99.75000	0.0	0.0	-0.025992	*
				-34.00000	28.00000	99.75000	0.0	0.0	-0.029935	*
				-33.00000	28.00000	99.75000	0.0	0.0	-0.033907	*
				-32.00000	28.00000	99.75000	0.0	0.0	-0.037883	*
				-31.00000	28.00000	99.75000	0.0	0.0	-0.041832	*
				-30.00000	28.00000	99.75000	0.0	0.0	-0.045724	*
				-29.00000	28.00000	99.75000	0.0	0.0	-0.049528	*
				-28.00000	28.00000	99.75000	0.0	0.0	-0.053210	*
				-27.00000	28.00000	99.75000	0.0	0.0	-0.056738	*
				-26.00000	28.00000	99.75000	0.0	0.0	-0.060078	*
				-25.00000	28.00000	99.75000	0.0	0.0	-0.063197	*
				-24.00000	28.00000	99.75000	0.0	0.0	-0.066064	*
				-23.00000	28.00000	99.75000	0.0	0.0	-0.068647	*
				-22.00000	28.00000	99.75000	0.0	0.0	-0.070918	*
				-21.00000	28.00000	99.75000	0.0	0.0	-0.072851	*
				-20.00000	28.00000	99.75000	0.0	0.0	-0.074423	*
				-19.00000	28.00000	99.75000	0.0	0.0	-0.075613	*
				-18.00000	28.00000	99.75000	0.0	0.0	-0.076406	*
				-17.00000	28.00000	99.75000	0.0	0.0	-0.076789	*
				-16.00000	28.00000	99.75000	0.0	0.0	-0.076756	*
				-15.00000	28.00000	99.75000	0.0	0.0	-0.076303	*
				-14.00000	28.00000	99.75000	0.0	0.0	-0.075433	*
				-13.00000	28.00000	99.75000	0.0	0.0	-0.074154	*
				-12.00000	28.00000	99.75000	0.0	0.0	-0.072478	*
				-11.00000	28.00000	99.75000	0.0	0.0	-0.070423	*
				-10.00000	28.00000	99.75000	0.0	0.0	-0.068011	*
				-9.00000	28.00000	99.75000	0.0	0.0	-0.065269	*
				-8.00000	28.00000	99.75000	0.0	0.0	-0.062227	*
				-7.00000	28.00000	99.75000	0.0	0.0	-0.058918	*
				-6.00000	28.00000	99.75000	0.0	0.0	-0.055379	*
				-5.00000	28.00000	99.75000	0.0	0.0	-0.051646	*
				-4.00000	28.00000	99.75000	0.0	0.0	-0.047759	*
				-3.00000	28.00000	99.75000	0.0	0.0	-0.043756	*
				-2.00000	28.00000	99.75000	0.0	0.0	-0.039675	*
				-1.00000	28.00000	99.75000	0.0	0.0	-0.035552	*
				0.00000	28.00000	99.75000	0.0	0.0	-0.031422	*
				1.00000	28.00000	99.75000	0.0	0.0	-0.027318	*
				2.00000	28.00000	99.75000	0.0	0.0	-0.023268	*
				3.00000	28.00000	99.75000	0.0	0.0	-0.019298	*
				4.00000	28.00000	99.75000	0.0	0.0	-0.015431	*



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Job No. LJ20089	Sheet No.	Rev.
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				5.00000	28.00000	99.75000	0.0	0.0	-0.011687	*
				-40.00000	29.00000	99.75000	0.0	0.0	-0.0029365	*
				-39.00000	29.00000	99.75000	0.0	0.0	-0.0060048	*
				-38.00000	29.00000	99.75000	0.0	0.0	-0.0091808	*
				-37.00000	29.00000	99.75000	0.0	0.0	-0.012451	*
				-36.00000	29.00000	99.75000	0.0	0.0	-0.015801	*
				-35.00000	29.00000	99.75000	0.0	0.0	-0.019213	*
				-34.00000	29.00000	99.75000	0.0	0.0	-0.022667	*
				-33.00000	29.00000	99.75000	0.0	0.0	-0.026142	*
				-32.00000	29.00000	99.75000	0.0	0.0	-0.029614	*
				-31.00000	29.00000	99.75000	0.0	0.0	-0.033058	*
				-30.00000	29.00000	99.75000	0.0	0.0	-0.036447	*
				-29.00000	29.00000	99.75000	0.0	0.0	-0.039756	*
				-28.00000	29.00000	99.75000	0.0	0.0	-0.042954	*
				-27.00000	29.00000	99.75000	0.0	0.0	-0.046015	*
				-26.00000	29.00000	99.75000	0.0	0.0	-0.048908	*
				-25.00000	29.00000	99.75000	0.0	0.0	-0.051607	*
				-24.00000	29.00000	99.75000	0.0	0.0	-0.054084	*
				-23.00000	29.00000	99.75000	0.0	0.0	-0.056314	*
				-22.00000	29.00000	99.75000	0.0	0.0	-0.058271	*
				-21.00000	29.00000	99.75000	0.0	0.0	-0.059935	*
				-20.00000	29.00000	99.75000	0.0	0.0	-0.061285	*
				-19.00000	29.00000	99.75000	0.0	0.0	-0.062305	*
				-18.00000	29.00000	99.75000	0.0	0.0	-0.062982	*
				-17.00000	29.00000	99.75000	0.0	0.0	-0.063305	*
				-16.00000	29.00000	99.75000	0.0	0.0	-0.063269	*
				-15.00000	29.00000	99.75000	0.0	0.0	-0.062872	*
				-14.00000	29.00000	99.75000	0.0	0.0	-0.062116	*
				-13.00000	29.00000	99.75000	0.0	0.0	-0.061008	*
				-12.00000	29.00000	99.75000	0.0	0.0	-0.059559	*
				-11.00000	29.00000	99.75000	0.0	0.0	-0.057783	*
				-10.00000	29.00000	99.75000	0.0	0.0	-0.055700	*
				-9.00000	29.00000	99.75000	0.0	0.0	-0.053332	*
				-8.00000	29.00000	99.75000	0.0	0.0	-0.050704	*
				-7.00000	29.00000	99.75000	0.0	0.0	-0.047844	*
				-6.00000	29.00000	99.75000	0.0	0.0	-0.044784	*
				-5.00000	29.00000	99.75000	0.0	0.0	-0.041553	*
				-4.00000	29.00000	99.75000	0.0	0.0	-0.038185	*
				-3.00000	29.00000	99.75000	0.0	0.0	-0.034711	*
				-2.00000	29.00000	99.75000	0.0	0.0	-0.031165	*
				-1.00000	29.00000	99.75000	0.0	0.0	-0.027578	*
				0.00000	29.00000	99.75000	0.0	0.0	-0.023978	*
				1.00000	29.00000	99.75000	0.0	0.0	-0.020393	*
				2.00000	29.00000	99.75000	0.0	0.0	-0.016849	*
				3.00000	29.00000	99.75000	0.0	0.0	-0.013369	*
				4.00000	29.00000	99.75000	0.0	0.0	-0.0099722	*
				5.00000	29.00000	99.75000	0.0	0.0	-0.0066766	*
				-40.00000	30.00000	99.75000	0.0	0.0	0.0012239	*
				-39.00000	30.00000	99.75000	0.0	0.0	-0.0014832	*
				-38.00000	30.00000	99.75000	0.0	0.0	-0.0042813	*
				-37.00000	30.00000	99.75000	0.0	0.0	-0.0071586	*
				-36.00000	30.00000	99.75000	0.0	0.0	-0.010101	*
				-35.00000	30.00000	99.75000	0.0	0.0	-0.013094	*
				-34.00000	30.00000	99.75000	0.0	0.0	-0.016120	*
				-33.00000	30.00000	99.75000	0.0	0.0	-0.019159	*
				-32.00000	30.00000	99.75000	0.0	0.0	-0.022192	*
				-31.00000	30.00000	99.75000	0.0	0.0	-0.025197	*
				-30.00000	30.00000	99.75000	0.0	0.0	-0.028150	*
				-29.00000	30.00000	99.75000	0.0	0.0	-0.031029	*
				-28.00000	30.00000	99.75000	0.0	0.0	-0.033809	*
				-27.00000	30.00000	99.75000	0.0	0.0	-0.036466	*
				-26.00000	30.00000	99.75000	0.0	0.0	-0.038975	*
				-25.00000	30.00000	99.75000	0.0	0.0	-0.041312	*
				-24.00000	30.00000	99.75000	0.0	0.0	-0.043455	*
				-23.00000	30.00000	99.75000	0.0	0.0	-0.045382	*
				-22.00000	30.00000	99.75000	0.0	0.0	-0.047071	*
				-21.00000	30.00000	99.75000	0.0	0.0	-0.048505	*
				-20.00000	30.00000	99.75000	0.0	0.0	-0.049667	*
				-19.00000	30.00000	99.75000	0.0	0.0	-0.050542	*
				-18.00000	30.00000	99.75000	0.0	0.0	-0.051121	*
				-17.00000	30.00000	99.75000	0.0	0.0	-0.051394	*
				-16.00000	30.00000	99.75000	0.0	0.0	-0.051358	*
				-15.00000	30.00000	99.75000	0.0	0.0	-0.051010	*
				-14.00000	30.00000	99.75000	0.0	0.0	-0.050353	*
				-13.00000	30.00000	99.75000	0.0	0.0	-0.049393	*
				-12.00000	30.00000	99.75000	0.0	0.0	-0.048139	*
				-11.00000	30.00000	99.75000	0.0	0.0	-0.046603	*



9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-10.00000	30.00000	99.75000	0.0	0.0	-0.044802	*
				-9.00000	30.00000	99.75000	0.0	0.0	-0.042754	*
				-8.00000	30.00000	99.75000	0.0	0.0	-0.040482	*
				-7.00000	30.00000	99.75000	0.0	0.0	-0.038008	*
				-6.00000	30.00000	99.75000	0.0	0.0	-0.035358	*
				-5.00000	30.00000	99.75000	0.0	0.0	-0.032558	*
				-4.00000	30.00000	99.75000	0.0	0.0	-0.029637	*
				-3.00000	30.00000	99.75000	0.0	0.0	-0.026621	*
				-2.00000	30.00000	99.75000	0.0	0.0	-0.023538	*
				-1.00000	30.00000	99.75000	0.0	0.0	-0.020414	*
				0.00000	30.00000	99.75000	0.0	0.0	-0.017275	*
				1.00000	30.00000	99.75000	0.0	0.0	-0.014144	*
				2.00000	30.00000	99.75000	0.0	0.0	-0.011044	*
				3.00000	30.00000	99.75000	0.0	0.0	-0.0079934	*
				4.00000	30.00000	99.75000	0.0	0.0	-0.0050111	*
				5.00000	30.00000	99.75000	0.0	0.0	-0.0021124	*

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist. [m]	x [m]	y
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	-31.74200	
10.69900	98.25000			d	0.53328	-31.71650	
11.23167	98.25000			d	1.0666	-31.69100	
11.76433	98.25000			d	1.5998	-31.66550	
12.29700	98.25000			d	2.1331	-31.64000	
12.82967	98.25000			d	2.6664	-31.61450	
13.36233	98.25000			d	3.1997	-31.58900	
13.89500	98.25000			d	0.0	-31.58900	
13.89500	98.25000	2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.50397	-31.08560	
13.87100	98.25000			d	1.0079	-30.58220	
13.84700	98.25000			d	1.5119	-30.07880	
13.82300	98.25000			d	2.0159	-29.57540	
13.79900	98.25000			d	2.5199	-29.07200	
13.77500	98.25000			d	0.0	-29.07200	
13.77500	98.25000	3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.48725	-29.04869	
14.26169	98.25000			d	0.97449	-29.02538	
14.74838	98.25000			d	1.4617	-29.00206	
15.23506	98.25000			d	1.9490	-28.97875	
15.72175	98.25000			d	2.4362	-28.95544	
16.20844	98.25000			d	2.9235	-28.93212	
16.69513	98.25000			d	3.4107	-28.90881	
17.18181	98.25000			d	3.8980	-28.88550	
17.66850	98.25000			d	4.3852	-28.86219	
18.15519	98.25000			d	4.8725	-28.83888	
18.64187	98.25000			d	5.3597	-28.81556	
19.12856	98.25000			d			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 2 - Bulk Excavation

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Stage Ref.	Stage δx	Name δy Building Ref.	Specific δH//δHperp.	Specific Building Name	Sub-building Name	Dist.	x	y
19.61525	98.25000		0.0	0.0	0.0	0.0	d	5.8469 -28.79225
20.10194	98.25000		0.0	0.0	0.0	0.0	d	6.3342 -28.76894
20.58863	98.25000		0.0	0.0	0.0	0.0	d	6.8214 -28.74563
21.07531	98.25000		0.0	0.0	0.0	0.0	d	7.3087 -28.72231
21.56200	98.25000		0.0	0.0	0.0	0.0	d	7.7959 -28.69900
21.56200	98.25000	4	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	d	-28.69900
21.60100	98.25000		0.0	0.0	0.0	0.0	d	0.22097 -28.91650
21.64000	98.25000		0.0	0.0	0.0	0.0	d	0.44194 -29.13400
21.64000	98.25000	5	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	d	-29.13400
22.16333	98.25000		0.0	0.0	0.0	0.0	d	0.52393 -29.10900
22.68667	98.25000		0.0	0.0	0.0	0.0	d	1.0479 -29.08400
23.21000	98.25000		0.0	0.0	0.0	0.0	d	1.5718 -29.05900
23.73333	98.25000		0.0	0.0	0.0	0.0	d	2.0957 -29.03400
24.25667	98.25000		0.0	0.0	0.0	0.0	d	2.6197 -29.00900
24.78000	98.25000		0.0	0.0	0.0	0.0	d	3.1436 -28.98400
24.78000	98.25000	6	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	d	-28.98400
24.75592	98.25000		0.0	0.0	0.0	0.0		0.50429 -28.48029
24.73184	98.25000		0.0	0.0	0.0	0.0		1.0086 -27.97658
24.70776	98.25000		0.0	0.0	0.0	0.0		1.5129 -27.47287
24.68368	98.25000		0.0	0.0	0.0	0.0		2.0171 -26.96916
24.65961	98.25000		0.0	0.0	0.0	0.0		2.5214 -26.46545
24.63553	98.25000		0.0	0.0	0.0	0.0		3.0257 -25.96174
24.61145	98.25000		0.0	0.0	0.0	0.0		3.5300 -25.45803
24.58737	98.25000		0.0	0.0	0.0	0.0		4.0343 -24.95432
24.56329	98.25000		0.0	0.0	0.0	0.0		4.5386 -24.45061
24.53921	98.25000		0.0	0.0	0.0	0.0		5.0429 -23.94689
24.51513	98.25000		0.0	0.0	0.0	0.0		5.5471 -23.44318
24.49105	98.25000		0.0	0.0	0.0	0.0		6.0514 -22.93947
24.46697	98.25000		0.0	0.0	0.0	0.0		6.5557 -22.43576
24.44289	98.25000		0.0	0.0	0.0	0.0		7.0600 -21.93205
24.41882	98.25000		0.0	0.0	0.0	0.0		7.5643 -21.42834
24.39474	98.25000		0.0	0.0	0.0	0.0		8.0686 -20.92463
24.37066	98.25000		0.0	0.0	0.0	0.0		8.5729 -20.42092
24.34658	98.25000		0.0	0.0	0.0	0.0		9.0771 -19.91721
24.32250	98.25000		0.0	0.0	0.0	0.0		9.5814 -19.41350
24.29842	98.25000		0.0	0.0	0.0	0.0		10.086 -18.90979
24.27434	98.25000		0.0	0.0	0.0	0.0		10.590 -18.40608
24.25026	98.25000		0.0	0.0	0.0	0.0		11.094 -17.90237
								11.599 -17.39866



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Stage 2 - Bulk Excavation

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Made by AT	Date 30-Aug-2023	Checked Date

Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific $\delta H_{\text{perp.}}$	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
24.22618	98.25000		0.0	0.0	0.0		12.103	-16.89495	
24.20211	98.25000		0.0	0.0	0.0		12.607	-16.39124	
24.17803	98.25000		0.0	0.0	0.0		13.111	-15.88753	
24.15395	98.25000		0.0	0.0	0.0		13.616	-15.38382	
24.12987	98.25000		0.0	0.0	0.0		14.120	-14.88011	
24.10579	98.25000		0.0	0.0	0.0		14.624	-14.37639	
24.08171	98.25000		0.0	0.0	0.0		15.129	-13.87268	
24.05763	98.25000		0.0	0.0	0.0		15.633	-13.36897	
24.03355	98.25000		0.0	0.0	0.0		16.137	-12.86526	
24.00947	98.25000		0.0	0.0	0.0		16.641	-12.36155	
23.98539	98.25000		0.0	0.0	0.0		17.146	-11.85784	
23.96132	98.25000		0.0	0.0	0.0		17.650	-11.35413	
23.93724	98.25000		0.0	0.0	0.0		18.154	-10.85042	
23.91316	98.25000		0.0	0.0	0.0		18.659	-10.34671	
23.88908	98.25000		0.0	0.0	0.0		19.163	-9.84300	
23.86500	98.25000		0.0	0.0	0.0	d			
23.86500	98.25000	7	0.0	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	-9.84300	
23.35857	98.25000		0.0	0.0	0.0	d	0.50701	-9.86721	
22.85214	98.25000		0.0	0.0	0.0	d	1.0140	-9.89143	
22.34571	98.25000		0.0	0.0	0.0	d	1.5210	-9.91564	
21.83929	98.25000		0.0	0.0	0.0	d	2.0280	-9.93986	
21.33286	98.25000		0.0	0.0	0.0	d	2.5350	-9.96407	
20.82643	98.25000		0.0	-0.14009	0.13993	0.0066906	3.0420	-9.98829	
20.32000	98.25000		0.0	-0.33000	0.32962	0.015761	3.5490	-10.01250	
19.81357	98.25000		0.0	-0.51991	0.51932	0.024831	4.0561	-10.03671	
19.30714	98.25000		0.0	-0.70982	0.70901	0.033901	4.5631	-10.06093	
18.80071	98.25000		0.0	-0.89973	0.89871	0.042971	5.0701	-10.08514	
18.29429	98.25000		0.0	-1.0896	1.0884	0.052041	5.5771	-10.10936	
17.78786	98.25000		0.0	-1.2796	1.2781	0.061111	6.0841	-10.13357	
17.28143	98.25000		0.0	-1.4695	1.4678	0.070181	6.5911	-10.15779	
16.77500	98.25000		0.0	-1.6594	1.6575	0.079251	7.0981	-10.18200	
16.26857	98.25000		0.0	-1.8493	1.8472	0.088321	7.6051	-10.20621	
15.76214	98.25000		0.0	-2.0392	2.0369	0.097391	8.1121	-10.23043	
15.25571	98.25000		0.0	-2.2291	2.2266	0.10646	8.6191	-10.25464	
14.74929	98.25000		0.0	-2.4190	2.4163	0.11553	9.1261	-10.27886	
14.24286	98.25000		0.0	-2.6089	2.6060	0.12460	9.6331	-10.30307	
13.73643	98.25000		0.0	-2.7988	2.7956	0.13367	10.140	-10.32729	
13.23000	98.25000		0.0	-2.9888	2.9853	0.14274	10.647	-10.35150	
12.72357	98.25000		0.0	-3.1787	3.1750	0.15181	11.154	-10.37571	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: z	Stage: δx	Name Specific Building: Ref.	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
12.21714	98.25000	0.0	-3.3686	3.3647	0.16088	d	11.661	-10.39993	
11.71071	98.25000	0.0	-3.5966	3.5925	0.17177	d	12.168	-10.42414	
11.20429	98.25000	0.0	-3.9553	3.9508	0.18890	d	12.675	-10.44836	
10.69786	98.25000	0.0	-4.3140	4.3091	0.20603	d	13.182	-10.47257	
10.19143	98.25000	0.0	-4.6727	4.6674	0.22317	d	13.689	-10.49679	
9.68500	98.25000	0.0	-5.0315	5.0257	0.24030	d	14.196	-10.52100	
9.68500	98.25000	8	No 11 Lyndhurst Terrace	No 11	LG - Line 8		0.0	-10.52100	
9.70914	98.25000	0.0	-5.0315	-0.24014	5.0257	d	0.50584	-11.02626	
9.70914	98.25000	0.0	-12.196	-0.58210	12.182	d			
9.73329	98.25000	0.0	-12.164	-0.58057	12.150	d	1.0117	-11.53152	
9.75743	98.25000	0.0	-12.132	-0.57903	12.118	d	1.5175	-12.03679	
9.78157	98.25000	0.0	-12.100	-0.57749	12.086	d	2.0234	-12.54205	
9.80571	98.25000	0.0	-12.067	-0.57596	12.054	d	2.5292	-13.04731	
9.82986	98.25000	0.0	-12.079	-0.57650	12.065	d	3.0350	-13.55257	
9.85400	98.25000	0.0	-12.222	-0.58335	12.208	d	3.5409	-14.05783	
9.87814	98.25000	0.0	-12.387	-0.59123	12.373	d	4.0467	-14.56310	
9.90229	98.25000	0.0	-12.575	-0.60019	12.561	d	4.5525	-15.06836	
9.92643	98.25000	0.0	-12.784	-0.61017	12.770	d	5.0584	-15.57362	
9.95057	98.25000	0.0	-13.011	-0.62101	12.996	d	5.5642	-16.07888	
9.97471	98.25000	0.0	-13.248	-0.63232	13.233	d	6.0701	-16.58414	
9.99886	98.25000	0.0	-13.482	-0.64348	13.467	d	6.5759	-17.08940	
10.02300	98.25000	0.0	-13.694	-0.65360	13.679	d	7.0817	-17.59467	
10.04714	98.25000	0.0	-13.856	-0.66131	13.840	d	7.5876	-18.09993	
10.07129	98.25000	0.0	-12.806	-0.61120	12.791	d	8.0934	-18.60519	
10.09543	98.25000	0.0	-11.705	-0.55867	11.692	d	8.5993	-19.11045	
10.11957	98.25000	0.0	-10.638	-0.50772	10.626	d	9.1051	-19.61571	
10.14371	98.25000	0.0	-9.6352	-0.45987	9.6242	d	9.6109	-20.12098	
10.16786	98.25000	0.0	-8.7155	-0.41598	8.7055	d	10.117	-20.62624	
10.19200	98.25000	0.0	-7.8844	-0.37631	7.8754	d	10.623	-21.13150	
10.21614	98.25000	0.0	-7.1400	-0.34078	7.1318	d	11.128	-21.63676	
10.24029	98.25000	0.0	-6.4911	-0.30981	6.4837	d	11.634	-22.14202	
10.26443	98.25000	0.0	-5.9564	-0.28429	5.9496	d	12.140	-22.64729	
10.28857	98.25000	0.0	-5.4799	-0.26155	5.4737	d	12.646	-23.15255	
10.31271	98.25000	0.0	-5.0541	-0.24123	5.0484	d	13.152	-23.65781	
10.33686	98.25000	0.0	-4.6722	-0.22300	4.6669	d	13.658	-24.16307	
10.36100	98.25000	0.0	-4.3282	-0.20658	4.3232	d	14.163	-24.66833	
10.38514	98.25000	0.0	-4.0169	-0.19172	4.0123	d	14.669	-25.17360	
10.40929	98.25000	0.0	-3.7341	-0.17822	3.7298	d	15.175	-25.67886	
10.43343	98.25000	0.0	-3.4759	-0.16590	3.4720	d	15.681	-26.18412	
							16.187	-26.68938	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: z	Stage: δx	Name Ref.	Specific δy Building: Ref.	Specific δH//δHperp.	Building: Name	Sub-building Name	Dist.	x	y
10.45757	98.25000		0.0	-3.2393	-0.15461	3.2356	d		
								16.693	-27.19464
10.48171	98.25000		0.0	-3.0214	-0.14421	3.0180	d		
								17.199	-27.69990
10.50586	98.25000		0.0	-2.8201	-0.13460	2.8169	d		
								17.704	-28.20517
10.53000	98.25000		0.0	-2.6333	-0.12568	2.6303	d		
								18.210	-28.71043
10.55414	98.25000		0.0	-2.4594	-0.11738	2.4566	d		
								18.716	-29.21569
10.57829	98.25000		0.0	-2.2969	-0.10963	2.2943	d		
								19.222	-29.72095
10.60243	98.25000		0.0	-2.1446	-0.10236	2.1422	d		
								19.728	-30.22621
10.62657	98.25000		0.0	-2.0014	-0.09524	1.9991	d		
								20.234	-30.73148
10.65071	98.25000		0.0	-1.8664	-0.089079	1.8643	d		
								20.739	-31.23674
10.67486	98.25000		0.0	-1.7387	-0.082985	1.7367	d		
								21.245	-31.74200
10.69900	98.25000		0.0	-1.6177	-0.077209	1.6158	d		
		9	No 7 Lyndhurst Terrace			No 7 LG - Line 1		0.0	-20.99000
-4.35700	96.40000		-4.4732	5.7078	-4.4515	5.7247	d		
								1.0235	-19.96650
-4.35313	96.40000		-3.5933	5.2532	-3.5734	5.2668	d		
								2.0470	-18.94300
-4.34925	96.40000		-2.6911	5.1151	-2.6717	5.1253	d		
								3.0705	-17.91950
-4.34537	96.40000		-1.7447	5.0538	-1.7255	5.0604	d		
								4.0940	-16.89600
-4.34150	96.40000		-0.57337	5.0262	-0.55434	5.0283	d		
								5.1175	-15.87250
-4.33763	96.40000		1.1829	5.0323	1.2019	5.0278	d		
								6.1410	-14.84900
-4.33375	96.40000		2.1548	5.0714	2.1740	5.0632	d		
								7.1646	-13.82550
-4.32987	96.40000		3.0899	5.1288	3.1093	5.1170	d		
								8.1881	-12.80200
-4.32600	96.40000		4.0859	5.2545	4.1057	5.2390	d		
		10	No 7 Lyndhurst Terrace			No 7 LG - Line 2		0.0	-12.70200
-4.32600	96.40000		4.1831	5.2748	-5.2701	4.1889	d		
								1.0844	-12.70080
-5.41040	96.40000		2.2485	4.9596	-4.9571	2.2540	d		
								2.1688	-12.69960
-6.49480	96.40000		1.1697	4.3658	-4.3645	1.1746	d		
								3.2532	-12.69840
-7.57920	96.40000		0.59527	3.4047	-3.4040	0.59903	d		
								4.3376	-12.69720
-8.66360	96.40000		0.24968	2.2351	-2.2348	0.25216	d		
								5.4220	-12.69600
-9.74800	96.40000		0.022938	1.6434	-1.6434	0.024757	d		
		11	No 7 Lyndhurst Terrace			No 7 LG - Line 3		0.0	-12.69600
-9.84800	96.40000		0.0059553	1.6131	0.0059553	1.6131	d		
								0.93500	-11.76100
-9.84800	96.40000		0.015607	1.9988	0.015607	1.9988	d		
								1.8700	-10.82600
-9.84800	96.40000		0.0	2.3800	0.0	2.3800	d		
								2.8050	-9.89100
-9.84800	96.40000		0.0	2.7713	0.0	2.7713	d		
		12	No 7 Lyndhurst Terrace			No 7 LG - Line 4		0.0	-9.89100
-9.94800	96.40000		0.0	2.7161	-2.7157	0.048850	d		
								0.95449	-9.87383
-10.90233	96.40000		0.0	2.4693	-2.4689	0.044411	d		
								1.9090	-9.85667
-11.85667	96.40000		0.0	2.2401	-2.2397	0.040289	d		
								2.8635	-9.83950
-12.81100	96.40000		0.0	1.9834	-1.9831	0.035672	d		
								3.8180	-9.82233
-13.76533	96.40000		0.0	1.7069	-1.7066	0.030699	d		
								4.7724	-9.80517
-14.71967	96.40000		0.0	1.4156	-1.4153	0.025459	d		
								5.7269	-9.78800
-15.67400	96.40000		0.0	1.1129	-1.1127	0.020016	d		
		13	No 7 Lyndhurst Terrace			No 7 LG - Line 5		0.0	-9.78800
-15.77400	96.40000		0.0	1.0805	0.0	-1.0805	d		
								0.98400	-10.77200
-15.77400	96.40000		0.0	0.95848	0.0	-0.95848	d		



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Drg. Ref.		
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Stage: z	Stage: δx	Name: δy	Specific Building: δH//	Specific Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y		
Ref.		Building: Ref.									
-15.77400	96.40000		0.0	0.82287	0.0	-0.82287	d	1.9680	-11.75600		
-15.77400	96.40000		0.0	0.67913	0.0	-0.67913	d	2.9520	-12.74000		
-15.87400	96.40000	14	0.0	0.65453	No 7 Lyndhurst Terrace	-0.65338	No 7 LG - Line 6	-0.038815	d	0.0	-12.74000
-16.82340	96.40000		0.0	0.40525	-0.40454	-0.024032	d	0.95107	-12.79640		
-17.77280	96.40000		0.0	0.14431	-0.14405	-0.0085577	d	1.9021	-12.85280		
-18.72220	96.40000		0.0	0.0	0.0	0.0	d	2.8532	-12.90920		
-19.67160	96.40000		0.0	0.0	0.0	0.0	d	3.8043	-12.96560		
-20.62100	96.40000		0.0	0.0	0.0	0.0	d	4.7554	-13.02200		
-21.57040	96.40000		0.0	0.0	0.0	0.0	d	5.7064	-13.07840		
-22.51980	96.40000		0.0	0.0	0.0	0.0	d	6.6575	-13.13480		
-23.46920	96.40000		0.0	0.0	0.0	0.0	d	7.6086	-13.19120		
-24.41860	96.40000		0.0	0.0	0.0	0.0	d	8.5597	-13.24760		
-25.36800	96.40000		0.0	0.0	0.0	0.0	d	9.5107	-13.30400		
-26.31740	96.40000		0.0	0.0	0.0	0.0	d	10.462	-13.36040		
-27.26680	96.40000		0.0	0.0	0.0	0.0	d	11.413	-13.41680		
-28.21620	96.40000		0.0	0.0	0.0	0.0	d	12.364	-13.47320		
-29.16560	96.40000		0.0	0.0	0.0	0.0	d	13.315	-13.52960		
-30.11500	96.40000		0.0	0.0	0.0	0.0	d	14.266	-13.58600		
-30.21500	96.40000	15	0.0	0.0	No 7 Lyndhurst Terrace	0.0	No 7 LG - Line 7	0.0	d	0.0	-13.58600
-30.24270	96.40000		0.0	0.0	0.0	0.0	d	1.0545	-14.64010		
-30.27040	96.40000		0.0	0.0	0.0	0.0	d	2.1089	-15.69420		
-30.29810	96.40000		0.0	0.0	0.0	0.0	d	3.1634	-16.74830		
-30.32580	96.40000		0.0	0.0	0.0	0.0	d	4.2179	-17.80240		
-30.35350	96.40000		0.0	0.0	0.0	0.0	d	5.2723	-18.85650		
-30.38120	96.40000		0.0	0.0	0.0	0.0	d	6.3268	-19.91060		
-30.40890	96.40000		0.0	0.0	0.0	0.0	d	7.3812	-20.96470		
-30.43660	96.40000		0.0	0.0	0.0	0.0	d	8.4357	-22.01880		
-30.46430	96.40000		0.0	0.0	0.0	0.0	d	9.4902	-23.07290		
-30.49200	96.40000		0.0	0.0	0.0	0.0	d	10.545	-24.12700		
-30.49200	96.40000	16	0.0	0.0	No 7 Lyndhurst Terrace	0.0	No 7 LG - Line 8	0.0	d	0.0	-24.22700
-29.47300	96.40000		0.0	0.0	0.0	0.0	d	1.0190	-24.23400		
-28.45400	96.40000		0.0	0.0	0.0	0.0	d	2.0380	-24.24100		
-28.45400	96.40000	17	0.0	0.0	No 7 Lyndhurst Terrace	0.0	No 7 LG - Line 9	0.0	d	0.0	-24.34100
-28.46000	96.40000		0.0	0.0	0.0	0.0	d	0.72952	-25.07050		
-28.46600	96.40000		0.0	0.0	0.0	0.0	d	1.4590	-25.80000		
-28.46600	96.40000	18	0.0	0.0	No 7 Lyndhurst Terrace	0.0	No 7 LG - Line 10	0.0	d	0.0	-25.90000
-27.11950	96.40000		0.0	0.0	0.0	0.0	d	1.3465	-25.90950		
-25.77300	96.40000		0.0	0.0	0.0	0.0	d	2.6931	-25.91900		
		19	0.0	0.0	No 7 Lyndhurst Terrace	0.0	No 7 LG - Line 11	0.0	d	0.0	-25.81900



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Stage: z	Stage: δx	Name Ref.	Specific δy Building: Ref.	Specific δH//δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-25.77300	96.40000		0.0	0.0	0.0	0.0	d		
-25.76700	96.40000		0.0	0.0	0.0	0.0	d	0.72952	-25.08950
-25.76100	96.40000		0.0	0.0	0.0	0.0	d	1.4590	-24.36000
-25.76100	96.40000	20	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 12	d	0.0	-24.26000
-25.76100	96.40000		0.0	0.0	0.0	0.0	d	0.99331	-24.26700
-24.76771	96.40000		0.0	0.0	0.0	0.0	d	1.9866	-24.27400
-23.77443	96.40000		0.0	0.0	0.0	0.0	d	2.9799	-24.28100
-22.78114	96.40000		0.0	0.0	0.0	0.0	d	3.9732	-24.28800
-21.78786	96.40000		0.0	0.0	0.0	0.0	d	4.9666	-24.29500
-20.79457	96.40000		0.0	0.0	0.0	0.0	d	5.9599	-24.30200
-19.80129	96.40000		0.0	0.0	0.0	0.0	d	6.9532	-24.30900
-18.80800	96.40000	21	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 13	d	0.0	-24.30900
-18.70800	96.40000		0.0	0.0	0.0	0.0	d	0.92900	-25.23800
-18.70800	96.40000		0.0	0.0	0.0	0.0	d	1.8580	-26.16700
-18.70800	96.40000	22	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 14	d	0.0	-26.26700
-18.70800	96.40000		0.0	0.0	0.0	0.0	d	0.84069	-26.76633
-18.03167	96.40000		0.0	0.0	0.0	0.0	d	1.6814	-27.26567
-17.35533	96.40000		0.0	0.0	0.0	0.0	d	2.5221	-27.76500
-16.67900	96.40000	23	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 15	d	0.0	-27.76500
-16.57900	96.40000		0.0	0.0	0.0	0.0	d	1.0829	-27.72513
-15.49688	96.40000		0.0	0.0	0.0	0.0	d	2.1657	-27.68525
-14.41475	96.40000		0.0	0.0	0.0	0.0	d	3.2486	-27.64538
-13.33263	96.40000		0.0	0.0	0.0	0.0	d	4.3314	-27.60550
-12.25050	96.40000		0.0	0.0	0.0	0.0	d	5.4143	-27.56563
-11.16838	96.40000		0.0	0.0	0.0	0.0	d	6.4972	-27.52575
-10.08625	96.40000		0.0	0.013750	0.013741	506.33E-6	d	7.5800	-27.48588
-9.00413	96.40000		0.0	1.0959	1.0951	0.040354	d	8.6629	-27.44600
-7.92200	96.40000	24	0.0	2.1780	2.1765	0.080202	d	0.0	-27.44600
-7.82200	96.40000		0.0	2.2780	0.0019321	2.2780	d	0.58950	-26.85650
-7.82150	96.40000		0.0	2.2785	0.0019326	2.2785	d	1.1790	-26.26700
-7.82100	96.40000	25	0.0	2.2790	0.0019330	2.2790	d	0.0	-26.16700
-7.82100	96.40000		0.0	2.2790	2.2790	-0.0024505	d	0.093000	-26.16710
-7.72800	96.40000		0.0	2.3720	2.3720	-0.0025505	d	0.18600	-26.16720
-7.63500	96.40000		0.0	2.4650	2.4650	-0.0026505	d	0.27900	-26.16730
-7.54200	96.40000		0.0	2.5580	2.5580	-0.0027505	d	0.37200	-26.16740
-7.44900	96.40000		0.0	2.6510	2.6510	-0.0028505	d	0.46500	-26.16750
-7.35600	96.40000		0.0	2.7440	2.7440	-0.0029505	d	0.55800	-26.16760
-7.26300	96.40000		0.0	2.8370	2.8370	-0.0030505	d	0.65100	-26.16770
-7.17000	96.40000		0.0	2.9300	2.9300	-0.0031505	d	0.74400	-26.16780
-7.07700	96.40000		0.0	3.0230	3.0230	-0.0032505	d		



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Stage 2 - Bulk Excavation

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Drg. Ref.		
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Stage: z	Stage: δx	Name Specific Building: Ref.	Specific δH//	Specific Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-6.98400	96.40000		0.0	3.1160	3.1160	-0.0033505	d	0.83700	-26.16790
-6.89100	96.40000		0.0	3.2090	3.2090	-0.0034505	d	0.93000	-26.16800
-6.89100	96.40000	26	0.0	3.2090	0.0032456	3.2090	d	0.0	-26.06800
-6.89100	96.40000		0.0	3.2090	0.0032456	3.2090	d	0.98871	-25.07929
-6.89000	96.40000		0.0	3.2100	0.0032466	3.2100	d	1.9774	-24.09057
-6.88900	96.40000		0.0	3.2110	0.0032477	3.2110	d	2.9661	-23.10186
-6.88800	96.40000		0.0	3.2120	0.0032487	3.2120	d	3.9549	-22.11314
-6.88700	96.40000		0.0	3.2416	0.0032786	3.2416	d	4.9436	-21.12443
-6.88600	96.40000		-0.65361	4.5876	-0.64897	4.5882	d	5.9323	-20.13571
-6.88500	96.40000		-1.0136	3.8306	-1.0097	3.8316	d	6.9210	-19.14700
-6.88400	96.40000		-1.0072	3.2555	-1.0039	3.2565	d	0.0	-19.04700
-6.88400	96.40000	27	-0.98889	3.2080	3.2080	0.98889	d	0.11840	-19.04700
-6.76560	96.40000		-1.0574	3.3296	3.3296	1.0574	d	0.23680	-19.04700
-6.64720	96.40000		-1.1280	3.4469	3.4469	1.1280	d	0.35520	-19.04700
-6.52880	96.40000		-1.2009	3.5597	3.5597	1.2009	d	0.47360	-19.04700
-6.41040	96.40000		-1.2758	3.6679	3.6679	1.2758	d	0.59200	-19.04700
-6.29200	96.40000		-1.3530	3.7714	3.7714	1.3530	d	0.71040	-19.04700
-6.17360	96.40000		-1.4322	3.8701	3.8701	1.4322	d	0.82880	-19.04700
-6.05520	96.40000		-1.5135	3.9640	3.9640	1.5135	d	0.94720	-19.04700
-5.93680	96.40000		-1.5967	4.0530	4.0530	1.5967	d	1.0656	-19.04700
-5.81840	96.40000		-1.6818	4.1372	4.1372	1.6818	d	1.1840	-19.04700
-5.70000	96.40000		-1.7685	4.2164	4.2164	1.7685	d	0.0	-19.14700
-5.70000	96.40000	28	-1.8064	4.2622	1.8064	-4.2622	d	0.18430	-19.33130
-5.70000	96.40000		-1.8674	4.3539	1.8674	-4.3539	d	0.36860	-19.51560
-5.70000	96.40000		-1.9157	4.4559	1.9157	-4.4559	d	0.55290	-19.69990
-5.70000	96.40000		-1.9493	4.5697	1.9493	-4.5697	d	0.73720	-19.88420
-5.70000	96.40000		-1.9662	4.6968	1.9662	-4.6968	d	0.92150	-20.06850
-5.70000	96.40000		-1.9641	4.8389	1.9641	-4.8389	d	1.1058	-20.25280
-5.70000	96.40000		-1.9402	4.9980	1.9402	-4.9980	d	1.2901	-20.43710
-5.70000	96.40000		-1.8915	5.1760	1.8915	-5.1760	d	1.4744	-20.62140
-5.70000	96.40000		-1.8261	5.3876	1.8261	-5.3876	d	1.6587	-20.80570
-5.70000	96.40000		-1.7347	5.6336	1.7347	-5.6336	d	1.8430	-20.99000
-5.70000	96.40000		-1.6038	5.9057	1.6038	-5.9057	d	0.0	-21.09000
-5.70000	96.40000	29	-1.5153	6.0645	6.0645	1.5153	d	0.13430	-21.09000
-5.56570	96.40000		-1.6811	6.1785	6.1785	1.6811	d	0.26860	-21.09000
-5.43140	96.40000		-1.8682	6.2668	6.2668	1.8682	d	0.40290	-21.09000
-5.29710	96.40000		-2.0799	6.3251	6.3251	2.0799	d	0.53720	-21.09000
-5.16280	96.40000		-2.3198	6.3777	6.3777	2.3198	d	0.67150	-21.09000
-5.02850	96.40000		-2.5920	6.4058	6.4058	2.5920	d	0.80580	-21.09000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Drg. Ref.		
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Stage: z	Stage: δx	Name Ref.	Specific δy Building:	Specific δH//δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-4.89420	96.40000	-2.9002	6.3884	6.3884	2.9002	d	0.94010	-21.09000	
-4.75990	96.40000	-3.2471	6.3205	6.3205	3.2471	d	1.0744	-21.09000	
-4.62560	96.40000	-3.6337	6.1989	6.1989	3.6337	d	1.2087	-21.09000	
-4.49130	96.40000	-4.0573	6.0237	6.0237	4.0573	d	1.3430	-21.09000	
-4.35700	96.40000	-4.5101	5.7999	5.7999	4.5101	d			
-30.49200	96.40000	30	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	d	0.0	-24.32700	
-30.44414	96.40000	0.0	0.0	0.0	0.0	d	0.95720	-25.28300	
-30.39629	96.40000	0.0	0.0	0.0	0.0	d	1.9144	-26.23900	
-30.34843	96.40000	0.0	0.0	0.0	0.0	d	2.8716	-27.19500	
-30.30057	96.40000	0.0	0.0	0.0	0.0	d	3.8288	-28.15100	
-30.25271	96.40000	0.0	0.0	0.0	0.0	d	4.7860	-29.10700	
-30.20486	96.40000	0.0	0.0	0.0	0.0	d	5.7432	-30.06300	
-30.15700	96.40000	0.0	0.0	0.0	0.0	d	6.7004	-31.01900	
-30.15700	96.40000	31	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	d	0.0	-31.11900	
-29.16783	96.40000	0.0	0.0	0.0	0.0	d	0.98917	-31.11825	
-28.17867	96.40000	0.0	0.0	0.0	0.0	d	1.9783	-31.11750	
-27.18950	96.40000	0.0	0.0	0.0	0.0	d	2.9675	-31.11675	
-26.20033	96.40000	0.0	0.0	0.0	0.0	d	3.9567	-31.11600	
-25.21117	96.40000	0.0	0.0	0.0	0.0	d	4.9458	-31.11525	
-24.22200	96.40000	0.0	0.0	0.0	0.0	d	5.9350	-31.11450	
-23.23283	96.40000	0.0	0.0	0.0	0.0	d	6.9242	-31.11375	
-22.24367	96.40000	0.0	0.0	0.0	0.0	d	7.9133	-31.11300	
-21.25450	96.40000	0.0	0.0	0.0	0.0	d	8.9025	-31.11225	
-20.26533	96.40000	0.0	0.0	0.0	0.0	d	9.8917	-31.11150	
-19.27617	96.40000	0.0	0.0	0.0	0.0	d	10.881	-31.11075	
-18.28700	96.40000	0.0	0.0	0.0	0.0	d	11.870	-31.11000	
-17.29783	96.40000	0.0	0.0	0.0	0.0	d	12.859	-31.10925	
-16.30867	96.40000	0.0	0.0	0.0	0.0	d	13.848	-31.10850	
-15.31950	96.40000	0.0	0.0	0.0	0.0	d	14.838	-31.10775	
-14.33033	96.40000	0.0	0.0	0.0	0.0	d	15.827	-31.10700	
-13.34117	96.40000	0.0	0.0	0.0	0.0	d	16.816	-31.10625	
-12.35200	96.40000	0.0	0.0	0.0	0.0	d	17.805	-31.10550	
-11.36283	96.40000	0.0	0.0	0.0	0.0	d	18.794	-31.10475	
-10.37367	96.40000	0.0	0.0	0.0	0.0	d	19.783	-31.10400	
-9.38450	96.40000	0.0	0.71550	0.71550	542.50E-6	d	20.773	-31.10325	
-8.39533	96.40000	0.0	1.7047	1.7047	0.0012925	d	21.762	-31.10250	
-7.40617	96.40000	0.0	2.6938	2.6938	0.0020425	d	22.751	-31.10175	
-6.41700	96.40000	0.0	3.6830	3.6830	0.0027925	d	23.740	-31.10100	
-6.41700	96.40000	32	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	d	0.0	-31.00100	
		0.0	3.6830	0.22052	3.6764	d			



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Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: z	Stage: δx	Name δy	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-6.35920	96.40000		0.0	3.7408	0.22398	3.7341 d	0.96533	-30.03740	
-6.30140	96.40000		0.0	3.8148	0.22841	3.8080 d	1.9307	-29.07380	
-6.24360	96.40000		0.0	3.8919	0.23303	3.8849 d	2.8960	-28.11020	
-6.18580	96.40000		0.0	3.9689	0.23764	3.9618 d	3.8613	-27.14660	
-6.12800	96.40000		0.0	4.0460	0.24226	4.0387 d	4.8267	-26.18300	
-6.12800	96.40000	33	0.0	4.0460	0.35257	4.0306 d	0.0	-26.08300	No 7 Lyndhurst Terrace No 7 LG - Line 25
-6.04240	96.40000		0.0	4.1601	0.36251	4.1443 d	0.98234	-25.10440	
-5.95680	96.40000		0.0	4.2743	0.37246	4.2580 d	1.9647	-24.12580	
-5.87120	96.40000		0.0	4.3884	0.38240	4.3717 d	2.9470	-23.14720	
-5.78560	96.40000		0.0	4.5232	0.39415	4.5060 d	3.9293	-22.16860	
-5.70000	96.40000	-1.4142		6.2309	-0.86588	6.3305 d	4.9117	-21.19000	
-40.00000	99.25000	34	0.0	0.0	0.0	0.0 d	0.0	-1.00000	Lyndhurst Terrace Curb Line Lyndhurst Terrace Curb Line
-39.00000	99.25000		0.0	0.0	0.0	0.0 d	1.0000	-1.00000	
-38.00000	99.25000		0.0	0.0	0.0	0.0 d	2.0000	-1.00000	
-37.00000	99.25000		0.0	0.0	0.0	0.0 d	3.0000	-1.00000	
-36.00000	99.25000		0.0	0.0	0.0	0.0 d	4.0000	-1.00000	
-35.00000	99.25000		0.0	0.0	0.0	0.0 d	5.0000	-1.00000	
-34.00000	99.25000		0.0	0.0	0.0	0.0 d	6.0000	-1.00000	
-33.00000	99.25000		0.0	0.0	0.0	0.0 d	7.0000	-1.00000	
-32.00000	99.25000		0.0	0.0	0.0	0.0 d	8.0000	-1.00000	
-31.00000	99.25000		0.0	0.0	0.0	0.0 d	9.0000	-1.00000	
-30.00000	99.25000		0.0	0.0	0.0	0.0 d	10.0000	-1.00000	
-29.00000	99.25000		0.0	0.0	0.0	0.0 d	11.0000	-1.00000	
-28.00000	99.25000		0.0	0.0	0.0	0.0 d	12.0000	-1.00000	
-27.00000	99.25000		0.0	0.0	0.0	0.0 d	13.0000	-1.00000	
-26.00000	99.25000		0.0	0.0	0.0	0.0 d	14.0000	-1.00000	
-25.00000	99.25000		0.0	0.0	0.0	0.0 d	15.0000	-1.00000	
-24.00000	99.25000		0.0	0.0	0.0	0.0 d	16.0000	-1.00000	
-23.00000	99.25000		0.0	0.0	0.0	0.0 d	17.0000	-1.00000	
-22.00000	99.25000		0.0	0.0	0.0	0.0 d	18.0000	-1.00000	
-21.00000	99.25000		0.0	0.0	0.0	0.0 d	19.0000	-1.00000	
-20.00000	99.25000		0.0	0.0	0.0	0.0 d	20.0000	-1.00000	
-19.00000	99.25000		0.0	0.0	0.0	0.0 d	21.0000	-1.00000	
-18.00000	99.25000		0.0	0.0	0.0	0.0 d	22.0000	-1.00000	
-17.00000	99.25000	-0.084275		0.16688	0.16688	0.084275 d	23.0000	-1.00000	
-16.00000	99.25000	-0.23432		0.42559	0.42559	0.23432 d	24.0000	-1.00000	
-15.00000	99.25000	-0.40399		0.66831	0.66831	0.40399 d	25.0000	-1.00000	
-14.00000	99.25000	-0.59675		0.89196	0.89196	0.59675 d	26.0000	-1.00000	
							27.0000	-1.00000	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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Made by AT	Date 30-Aug-2023	Checked Date

Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific $\delta H_{perp.}$	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Ref. Building:							
-13.00000	99.25000	-0.81669	1.0927	1.0927	0.81669	d	28.000	-1.00000	
-12.00000	99.25000	-1.0685	1.2661	1.2661	1.0685	d	29.000	-1.00000	
-11.00000	99.25000	-1.3571	1.4064	1.4064	1.3571	d	30.000	-1.00000	
-10.00000	99.25000	-1.6878	1.5076	1.5076	1.6878	d	31.000	-1.00000	
-9.00000	99.25000	-2.0309	1.5796	1.5796	2.0309	d	32.000	-1.00000	
-8.00000	99.25000	-2.2126	1.7209	1.7209	2.2126	d	33.000	-1.00000	
-7.00000	99.25000	-2.3943	1.8623	1.8623	2.3943	d	34.000	-1.00000	
-6.00000	99.25000	-2.5761	2.0036	2.0036	2.5761	d	35.000	-1.00000	
-5.00000	99.25000	-2.7578	2.1450	2.1450	2.7578	d	36.000	-1.00000	
-4.00000	99.25000	-3.2325	1.9262	1.9262	3.2325	d	37.000	-1.00000	
-3.00000	99.25000	-3.7517	1.3632	1.3632	3.7517	d	38.000	-1.00000	
-2.00000	99.25000	-4.2243	0.56210	0.56210	4.2243	d	39.000	-1.00000	
-1.00000	99.25000	-4.3964	0.23139	0.23139	4.3964	d	40.000	-1.00000	
0.00000	99.25000	-4.4336	0.23335	0.23335	4.4336	d	41.000	-1.00000	
1.00000	99.25000	-4.4708	0.23531	0.23531	4.4708	d	42.000	-1.00000	
2.00000	99.25000	-4.5080	0.23726	0.23726	4.5080	d	43.000	-1.00000	
3.00000	99.25000	-4.5452	0.23922	0.23922	4.5452	d	44.000	-1.00000	
4.00000	99.25000	-4.5823	0.24118	0.24118	4.5823	d	45.000	-1.00000	
5.00000	99.25000	-4.6195	0.24313	0.24313	4.6195	d	46.000	-1.00000	
6.00000	99.25000	-4.6492	0.23715	0.23715	4.6492	d	47.000	-1.00000	
7.00000	99.25000	-3.8952	-0.50495	-0.50495	3.8952	d	48.000	-1.00000	
8.00000	99.25000	-3.1021	-1.1233	-1.1233	3.1021	d	49.000	-1.00000	
9.00000	99.25000	-2.3868	-1.5257	-1.5257	2.3868	d	50.000	-1.00000	
10.00000	99.25000	-1.7920	-1.7031	-1.7031	1.7920	d	51.000	-1.00000	
11.00000	99.25000	-1.4026	-1.8036	-1.8036	1.4026	d	52.000	-1.00000	
12.00000	99.25000	-1.1078	-1.8152	-1.8152	1.1078	d	53.000	-1.00000	
13.00000	99.25000	-0.87219	-1.7472	-1.7472	0.87219	d	54.000	-1.00000	
14.00000	99.25000	-0.68144	-1.6196	-1.6196	0.68144	d	55.000	-1.00000	
15.00000	99.25000	-0.52490	-1.4468	-1.4468	0.52490	d	56.000	-1.00000	
16.00000	99.25000	-0.39468	-1.2397	-1.2397	0.39468	d	57.000	-1.00000	
17.00000	99.25000	-0.28500	-1.0058	-1.0058	0.28500	d	58.000	-1.00000	
18.00000	99.25000	-0.19153	-0.75080	-0.75080	0.19153	d	59.000	-1.00000	
19.00000	99.25000	-0.11106	-0.47902	-0.47902	0.11106	d	60.000	-1.00000	
20.00000	99.25000	-0.041130	-0.19364	-0.19364	0.041130	d	61.000	-1.00000	
21.00000	99.25000	0.0	0.0	0.0	0.0	d	62.000	-1.00000	
22.00000	99.25000	0.0	0.0	0.0	0.0	d	63.000	-1.00000	
23.00000	99.25000	0.0	0.0	0.0	0.0	d	64.000	-1.00000	
24.00000	99.25000	0.0	0.0	0.0	0.0	d	65.000	-1.00000	
25.00000	99.25000	0.0	0.0	0.0	0.0	d			



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Ground Movement Assessment
Stage 2 - Bulk Excavation

Stage: z	Stage: δx	Name δy	Specific Building: $\delta H //$	Specific Building: δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
26.00000	99.25000	0.0	0.0	0.0	0.0	d	66.000	-1.00000	
27.00000	99.25000	0.0	0.0	0.0	0.0	d	67.000	-1.00000	
28.00000	99.25000	0.0	0.0	0.0	0.0	d	68.000	-1.00000	
29.00000	99.25000	0.0	0.0	0.0	0.0	d	69.000	-1.00000	
30.00000	99.25000	0.0	0.0	0.0	0.0	d	70.000	-1.00000	

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Stage: y	Stage: z	Name δz	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
Ref.		Building: Ref.				[m]	[m]	[m]
[m]	[m]	[mm]						
0	Base Model 1	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1		0.0	0.0	
-31.74200	10.69900	98.25000	-0.54531	d			0.53328	
-31.71650	11.23167	98.25000	-0.50604	d			1.0666	
-31.69100	11.76433	98.25000	-0.47028	d			1.5998	
-31.66550	12.29700	98.25000	-0.43755	d			2.1331	
-31.64000	12.82967	98.25000	-0.40746	d			2.6664	
-31.61450	13.36233	98.25000	-0.37970	d			3.1997	
-31.58900	13.89500	98.25000	-0.35401	d				
-31.58900	13.89500	98.25000	-0.35401	d	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	0.0
-31.08560	13.87100	98.25000	-0.37170	d			0.50397	
-30.58220	13.84700	98.25000	-0.38968	d			1.0079	
-30.07880	13.82300	98.25000	-0.40788	d			1.5119	
-29.57540	13.79900	98.25000	-0.42627	d			2.0159	
-29.07200	13.77500	98.25000	-0.44479	d			2.5199	
-29.07200	13.77500	98.25000	-0.44479	d	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	0.0
-29.04869	14.26169	98.25000	-0.41551	d			0.48725	
-29.02538	14.74838	98.25000	-0.38836	d			0.97449	
-29.00206	15.23506	98.25000	-0.36315	d			1.4617	
-28.97875	15.72175	98.25000	-0.33967	d			1.9490	
-28.95544	16.20844	98.25000	-0.31778	d			2.4362	
-28.93212	16.69513	98.25000	-0.29733	d			2.9235	
-28.90881	17.18181	98.25000	-0.27820	d			3.4107	
-28.88550	17.66850	98.25000	-0.26029	d			3.8980	
-28.86219	18.15519	98.25000	-0.24350	d			4.3852	
-28.83888	18.64187	98.25000	-0.22773	d			4.8725	
-28.81556	19.12856	98.25000	-0.21292	d			5.3597	
-28.79225	19.61525	98.25000	-0.19899	d			5.8469	
-28.76894	20.10194	98.25000	-0.18589	d			6.3342	
-28.74563	20.58863	98.25000	-0.17354	d			6.8214	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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-28.72231	21.07531	98.25000	-0.16191	d		7.3087	
-28.69900	21.56200	98.25000	-0.15094	d		7.7959	
-28.69900	21.56200	98.25000	-0.15094	d	No 11 Lyndhurst Terrace No 11 LG - Line 4	0.0	0.0
-28.91650	21.60100	98.25000	-0.14802	d		0.22097	
-29.13400	21.64000	98.25000	-0.14513	d		0.44194	
-29.13400	21.64000	98.25000	-0.14513	d	No 11 Lyndhurst Terrace No 11 LG - Line 5	0.0	0.0
-29.10900	22.16333	98.25000	-0.13444	d		0.52393	
-29.08400	22.68667	98.25000	-0.12438	d		1.0479	
-29.05900	23.21000	98.25000	-0.11491	d		1.5718	
-29.03400	23.73333	98.25000	-0.10600	d		2.0957	
-29.00900	24.25667	98.25000	-0.097608	d		2.6197	
-28.98400	24.78000	98.25000	-0.089699	d		3.1436	
-28.98400	24.78000	98.25000	-0.089699	d	No 11 Lyndhurst Terrace No 11 LG - Line 6	0.0	0.0
-28.48029	24.75592	98.25000	0.0			0.50429	
-27.97658	24.73184	98.25000	0.0			1.0086	
-27.47287	24.70776	98.25000	0.0			1.5129	
-26.96916	24.68368	98.25000	0.0			2.0171	
-26.46545	24.65961	98.25000	0.0			2.5214	
-25.96174	24.63553	98.25000	0.0			3.0257	
-25.45803	24.61145	98.25000	0.0			3.5300	
-24.95432	24.58737	98.25000	0.0			4.0343	
-24.45061	24.56329	98.25000	0.0			4.5386	
-23.94689	24.53921	98.25000	0.0			5.0429	
-23.44318	24.51513	98.25000	0.0			5.5471	
-22.93947	24.49105	98.25000	0.0			6.0514	
-22.43576	24.46697	98.25000	0.0			6.5557	
-21.93205	24.44289	98.25000	0.0			7.0600	
-21.42834	24.41882	98.25000	0.0			7.5643	
-20.92463	24.39474	98.25000	0.0			8.0686	
-20.42092	24.37066	98.25000	0.0			8.5729	
-19.91721	24.34658	98.25000	0.0			9.0771	
-19.41350	24.32250	98.25000	0.0			9.5814	
-18.90979	24.29842	98.25000	0.0			10.086	
-18.40608	24.27434	98.25000	0.0			10.590	
-17.90237	24.25026	98.25000	0.0			11.094	
-17.39866	24.22618	98.25000	0.0			11.599	
-16.89495	24.20211	98.25000	0.0			12.103	
-16.39124	24.17803	98.25000	0.0			12.607	
						13.111	



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-15.88753	24.15395	98.25000	0.0					13.616	
-15.38382	24.12987	98.25000	0.0					14.120	
-14.88011	24.10579	98.25000	0.0					14.624	
-14.37639	24.08171	98.25000	0.0					15.129	
-13.87268	24.05763	98.25000	0.0					15.633	
-13.36897	24.03355	98.25000	0.0					16.137	
-12.86526	24.00947	98.25000	0.0					16.641	
-12.36155	23.98539	98.25000	0.0					17.146	
-11.85784	23.96132	98.25000	0.0					17.650	
-11.35413	23.93724	98.25000	0.0					18.154	
-10.85042	23.91316	98.25000	0.0					18.659	
-10.34671	23.88908	98.25000	0.0					19.163	
-9.84300	23.86500	98.25000	-0.13799	d	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	0.0	
-9.84300	23.86500	98.25000	-0.13799	d				0.50701	
-9.86721	23.35857	98.25000	-0.14963	d				1.0140	
-9.89143	22.85214	98.25000	-0.16210	d				1.5210	
-9.91564	22.34571	98.25000	-0.17546	d				2.0280	
-9.93986	21.83929	98.25000	-0.18979	d				2.5350	
-9.96407	21.33286	98.25000	-0.20519	d				3.0420	
-9.98829	20.82643	98.25000	-0.22174	d				3.5490	
-10.01250	20.32000	98.25000	-0.23955	d				4.0561	
-10.03671	19.81357	98.25000	-0.25875	d				4.5631	
-10.06093	19.30714	98.25000	-0.27946	d				5.0701	
-10.08514	18.80071	98.25000	-0.30185	d				5.5771	
-10.10936	18.29429	98.25000	-0.32609	d				6.0841	
-10.13357	17.78786	98.25000	-0.35236	d				6.5911	
-10.15779	17.28143	98.25000	-0.38091	d				7.0981	
-10.18200	16.77500	98.25000	-0.41197	d				7.6051	
-10.20621	16.26857	98.25000	-0.44586	d				8.1121	
-10.23043	15.76214	98.25000	-0.48290	d				8.6191	
-10.25464	15.25571	98.25000	-0.52350	d				9.1261	
-10.27886	14.74929	98.25000	-0.56812	d				9.6331	
-10.30307	14.24286	98.25000	-0.61729	d				10.140	
-10.32729	13.73643	98.25000	-0.67167	d				10.647	
-10.35150	13.23000	98.25000	-0.73202	d				11.154	
-10.37571	12.72357	98.25000	-0.79926	d				11.661	
-10.39993	12.21714	98.25000	-0.87450	d				12.168	
-10.42414	11.71071	98.25000	-0.95216	d				12.675	
-10.44836	11.20429	98.25000	-1.0236	d					



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-10.47257	10.69786	98.25000	-1.1025 d			13.182	
-10.49679	10.19143	98.25000	-1.1760 d			13.689	
-10.52100	9.68500	98.25000	-1.2360 d			14.196	
-10.52100	9.68500	98.25000	-1.2360 d	No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	0.0
-11.02626	9.70914	98.25000	-1.2623 d			0.50584	
-11.53152	9.73329	98.25000	-1.2850 d			1.0117	
-12.03679	9.75743	98.25000	-1.3042 d			1.5175	
-12.54205	9.78157	98.25000	-1.3199 d			2.0234	
-13.04731	9.80571	98.25000	-1.3319 d			2.5292	
-13.55257	9.82986	98.25000	-1.3404 d			3.0350	
-14.05783	9.85400	98.25000	-1.3452 d			3.5409	
-14.56310	9.87814	98.25000	-1.3465 d			4.0467	
-15.06836	9.90229	98.25000	-1.3443 d			4.5525	
-15.57362	9.92643	98.25000	-1.3387 d			5.0584	
-16.07888	9.95057	98.25000	-1.3298 d			5.5642	
-16.58414	9.97471	98.25000	-1.3179 d			6.0701	
-17.08940	9.99886	98.25000	-1.3032 d			6.5759	
-17.59467	10.02300	98.25000	-1.2860 d			7.0817	
-18.09993	10.04714	98.25000	-1.2669 d			7.5876	
-18.60519	10.07129	98.25000	-1.2612 d			8.0934	
-19.11045	10.09543	98.25000	-1.2589 d			8.5993	
-19.61571	10.11957	98.25000	-1.2559 d			9.1051	
-20.12098	10.14371	98.25000	-1.2490 d			9.6109	
-20.62624	10.16786	98.25000	-1.2370 d			10.117	
-21.13150	10.19200	98.25000	-1.2202 d			10.623	
-21.63676	10.21614	98.25000	-1.2008 d			11.128	
-22.14202	10.24029	98.25000	-1.1789 d			11.634	
-22.64729	10.26443	98.25000	-1.1486 d			12.140	
-23.15255	10.28857	98.25000	-1.1177 d			12.646	
-23.65781	10.31271	98.25000	-1.0862 d			13.152	
-24.16307	10.33686	98.25000	-1.0542 d			13.658	
-24.66833	10.36100	98.25000	-1.0216 d			14.163	
-25.17360	10.38514	98.25000	-0.98851 d			14.669	
-25.67886	10.40929	98.25000	-0.95499 d			15.175	
-26.18412	10.43343	98.25000	-0.92113 d			15.681	
-26.68938	10.45757	98.25000	-0.88698 d			16.187	
-27.19464	10.48171	98.25000	-0.85262 d			16.693	
-27.69990	10.50586	98.25000	-0.81812 d			17.199	
						17.704	



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 Ground Movement Assessment
 Stage 2 - Bulk Excavation

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-28.20517	10.53000	98.25000	-0.78353	d				18.210	
-28.71043	10.55414	98.25000	-0.74891	d				18.716	
-29.21569	10.57829	98.25000	-0.71433	d				19.222	
-29.72095	10.60243	98.25000	-0.67985	d				19.728	
-30.22621	10.62657	98.25000	-0.64559	d				20.234	
-30.73148	10.65071	98.25000	-0.61164	d				20.739	
-31.23674	10.67486	98.25000	-0.57816	d				21.245	
-31.74200	10.69900	98.25000	-0.54531	d				21.245	
-20.99000	-4.35700	96.40000	-2.2967	d	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	0.0	1.0235
-19.96650	-4.35313	96.40000	-2.4386	d				2.0470	
-18.94300	-4.34925	96.40000	-2.4551	d				3.0705	
-17.91950	-4.34537	96.40000	-2.4625	d				4.0940	
-16.89600	-4.34150	96.40000	-2.4623	d				5.1175	
-15.87250	-4.33763	96.40000	-2.4522	d				6.1410	
-14.84900	-4.33375	96.40000	-2.4307	d				7.1646	
-13.82550	-4.32987	96.40000	-2.3966	d				8.1881	
-12.80200	-4.32600	96.40000	-2.3185	d				8.1881	
-12.70200	-4.32600	96.40000	-2.3026	d	No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	0.0	1.0844
-12.70080	-5.41040	96.40000	-1.8279	d				2.1688	
-12.69960	-6.49480	96.40000	-1.4452	d				3.2532	
-12.69840	-7.57920	96.40000	-1.1693	d				4.3376	
-12.69720	-8.66360	96.40000	-0.95758	d				5.4220	
-12.69600	-9.74800	96.40000	-0.79315	d				5.4220	
-12.69600	-9.84800	96.40000	-0.77985	d	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	0.0	0.93500
-11.76100	-9.84800	96.40000	-0.75945	d				1.8700	
-10.82600	-9.84800	96.40000	-0.73528	d				2.8050	
-9.89100	-9.84800	96.40000	-0.70730	d				2.8050	
-9.89100	-9.94800	96.40000	-0.69554	d	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	0.0	0.95449
-9.87383	-10.90233	96.40000	-0.59427	d				1.9090	
-9.85667	-11.85667	96.40000	-0.51040	d				2.8635	
-9.83950	-12.81100	96.40000	-0.44006	d				3.8180	
-9.82233	-13.76533	96.40000	-0.38048	d				4.7724	
-9.80517	-14.71967	96.40000	-0.32957	d				5.7269	
-9.78800	-15.67400	96.40000	-0.28577	d				5.7269	
-9.78800	-15.77400	96.40000	-0.28156	d	No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	0.0	0.98400
-10.77200	-15.77400	96.40000	-0.29210	d				1.9680	
-11.75600	-15.77400	96.40000	-0.30139	d				2.9520	
-12.74000	-15.77400	96.40000	-0.30934	d				2.9520	
-12.74000	-15.87400	96.40000	-0.30474	d	No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	0.0	



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Ref.							Offset		
								0.95107	
-12.79640	-16.82340	96.40000	-0.26471	d				1.9021	
-12.85280	-17.77280	96.40000	-0.22983	d				2.8532	
-12.90920	-18.72220	96.40000	-0.19934	d				3.8043	
-12.96560	-19.67160	96.40000	-0.17258	d				4.7554	
-13.02200	-20.62100	96.40000	-0.14902	d				5.7064	
-13.07840	-21.57040	96.40000	-0.12822	d				6.6575	
-13.13480	-22.51980	96.40000	-0.10982	d				7.6086	
-13.19120	-23.46920	96.40000	-0.093508	d				8.5597	
-13.24760	-24.41860	96.40000	-0.079019	d				9.5107	
-13.30400	-25.36800	96.40000	-0.066130	d				10.462	
-13.36040	-26.31740	96.40000	-0.054653	d				11.413	
-13.41680	-27.26680	96.40000	-0.044421	d				12.364	
-13.47320	-28.21620	96.40000	-0.035294	d				13.315	
-13.52960	-29.16560	96.40000	-0.027147	d				14.266	
-13.58600	-30.11500	96.40000	-0.019874	d					
-13.58600	-30.21500	15 96.40000	-0.019150	d	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	0.0	
-14.64010	-30.24270	96.40000	-0.019592	d				1.0545	
-15.69420	-30.27040	96.40000	-0.019834	d				2.1089	
-16.74830	-30.29810	96.40000	-0.019873	d				3.1634	
-17.80240	-30.32580	96.40000	-0.019709	d				4.2179	
-18.85650	-30.35350	96.40000	-0.019344	d				5.2723	
-19.91060	-30.38120	96.40000	-0.018783	d				6.3268	
-20.96470	-30.40890	96.40000	-0.018031	d				7.3812	
-22.01880	-30.43660	96.40000	-0.017098	d				8.4357	
-23.07290	-30.46430	96.40000	-0.015993	d				9.4902	
-24.12700	-30.49200	96.40000	-0.014728	d				10.545	
-24.22700	-30.49200	16 96.40000	-0.014618	d	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	0.0	
-24.23400	-29.47300	96.40000	-0.021740	d				1.0190	
-24.24100	-28.45400	96.40000	-0.029781	d				2.0380	
-24.34100	-28.45400	17 96.40000	-0.029631	d	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	0.0	
-25.07050	-28.46000	96.40000	-0.028433	d				0.72952	
-25.80000	-28.46600	96.40000	-0.027144	d				1.4590	
-25.90000	-28.46600	18 96.40000	-0.026968	d	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	0.0	
-25.90950	-27.11950	96.40000	-0.038609	d				1.3465	
-25.91900	-25.77300	96.40000	-0.052264	d				2.6931	
-25.81900	-25.77300	19 96.40000	-0.052524	d	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	0.0	
-25.08950	-25.76700	96.40000	-0.054417	d				0.72952	
-24.36000	-25.76100	96.40000	-0.056180	d				1.4590	
		20 96.40000			No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	0.0	



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Ref.		Ref.	Ref.				Offset		
-24.26000	-25.76100	96.40000	-0.056401	d				0.99331	
-24.26700	-24.76771	96.40000	-0.068617	d				1.9866	
-24.27400	-23.77443	96.40000	-0.082409	d				2.9799	
-24.28100	-22.78114	96.40000	-0.098005	d				3.9732	
-24.28800	-21.78786	96.40000	-0.11567	d				4.9666	
-24.29500	-20.79457	96.40000	-0.13573	d				5.9599	
-24.30200	-19.80129	96.40000	-0.15856	d				6.9532	
-24.30900	-18.80800	96.40000	-0.18462	d					
-24.30900	-18.70800	96.40000	-0.18745	d	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	0.0	
-25.23800	-18.70800	96.40000	-0.18123	d				0.92900	
-26.16700	-18.70800	96.40000	-0.17442	d				1.8580	
-26.26700	-18.70800	96.40000	-0.17365	d	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	0.0	
-26.76633	-18.03167	96.40000	-0.18794	d				0.84069	
-27.26567	-17.35533	96.40000	-0.20288	d				1.6814	
-27.76500	-16.67900	96.40000	-0.21846	d				2.5221	
-27.76500	-16.57900	96.40000	-0.22170	d	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	0.0	
-27.72513	-15.49688	96.40000	-0.26042	d				1.0829	
-27.68525	-14.41475	96.40000	-0.30592	d				2.1657	
-27.64538	-13.33263	96.40000	-0.35984	d				3.2486	
-27.60550	-12.25050	96.40000	-0.42435	d				4.3314	
-27.56563	-11.16838	96.40000	-0.50248	d				5.4143	
-27.52575	-10.08625	96.40000	-0.59856	d				6.4972	
-27.48588	-9.00413	96.40000	-0.71904	d				7.5800	
-27.44600	-7.92200	96.40000	-0.87407	d				8.6629	
-27.44600	-7.82200	96.40000	-0.89043	d	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	0.0	
-26.85650	-7.82150	96.40000	-0.92612	d				0.58950	
-26.26700	-7.82100	96.40000	-0.96019	d				1.1790	
-26.16700	-7.82100	96.40000	-0.96577	d	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	0.0	
-26.16710	-7.72800	96.40000	-0.98305	d				0.093000	
-26.16720	-7.63500	96.40000	-1.0008	d				0.18600	
-26.16730	-7.54200	96.40000	-1.0190	d				0.27900	
-26.16740	-7.44900	96.40000	-1.0376	d				0.37200	
-26.16750	-7.35600	96.40000	-1.0568	d				0.46500	
-26.16760	-7.26300	96.40000	-1.0765	d				0.55800	
-26.16770	-7.17000	96.40000	-1.0968	d				0.65100	
-26.16780	-7.07700	96.40000	-1.1176	d				0.74400	
-26.16790	-6.98400	96.40000	-1.1390	d				0.83700	
-26.16800	-6.89100	96.40000	-1.1610	d				0.93000	
-26.06800	-6.89100	96.40000	-1.1680	d	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	0.0	



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Stage: y	Stage: z	Name δz Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-25.07929	-6.89000	96.40000	-1.2329 d			0.98871	
-24.09057	-6.88900	96.40000	-1.2879 d			1.9774	
-23.10186	-6.88800	96.40000	-1.3313 d			2.9661	
-22.11314	-6.88700	96.40000	-1.3630 d			3.9549	
-21.12443	-6.88600	96.40000	-1.3854 d			4.9436	
-20.13571	-6.88500	96.40000	-1.4012 d			5.9323	
-19.14700	-6.88400	96.40000	-1.4117 d			6.9210	
-19.04700	-6.88400	96.40000	-1.4125 d	No 7 Lyndhurst Terrace No 7 LG - Line 19	0.0	0.0	
-19.04700	-6.76560	96.40000	-1.4465 d			0.11840	
-19.04700	-6.64720	96.40000	-1.4817 d			0.23680	
-19.04700	-6.52880	96.40000	-1.5181 d			0.35520	
-19.04700	-6.41040	96.40000	-1.5558 d			0.47360	
-19.04700	-6.29200	96.40000	-1.5949 d			0.59200	
-19.04700	-6.17360	96.40000	-1.6355 d			0.71040	
-19.04700	-6.05520	96.40000	-1.6776 d			0.82880	
-19.04700	-5.93680	96.40000	-1.7213 d			0.94720	
-19.04700	-5.81840	96.40000	-1.7669 d			1.0656	
-19.04700	-5.70000	96.40000	-1.8142 d			1.1840	
-19.14700	-5.70000	96.40000	-1.8135 d	No 7 Lyndhurst Terrace No 7 LG - Line 20	0.0	0.0	
-19.33130	-5.70000	96.40000	-1.8120 d			0.18430	
-19.51560	-5.70000	96.40000	-1.8103 d			0.36860	
-19.69990	-5.70000	96.40000	-1.8086 d			0.55290	
-19.88420	-5.70000	96.40000	-1.8067 d			0.73720	
-20.06850	-5.70000	96.40000	-1.8047 d			0.92150	
-20.25280	-5.70000	96.40000	-1.8027 d			1.1058	
-20.43710	-5.70000	96.40000	-1.8005 d			1.2901	
-20.62140	-5.70000	96.40000	-1.7942 d			1.4744	
-20.80570	-5.70000	96.40000	-1.7862 d			1.6587	
-20.99000	-5.70000	96.40000	-1.7785 d			1.8430	
-21.09000	-5.70000	96.40000	-1.7741 d	No 7 Lyndhurst Terrace No 7 LG - Line 21	0.0	0.0	
-21.09000	-5.56570	96.40000	-1.8236 d			0.13430	
-21.09000	-5.43140	96.40000	-1.8735 d			0.26860	
-21.09000	-5.29710	96.40000	-1.9237 d			0.40290	
-21.09000	-5.16280	96.40000	-1.9696 d			0.53720	
-21.09000	-5.02850	96.40000	-2.0153 d			0.67150	
-21.09000	-4.89420	96.40000	-2.0626 d			0.80580	
-21.09000	-4.75990	96.40000	-2.1108 d			0.94010	
-21.09000	-4.62560	96.40000	-2.1602 d			1.0744	
						1.2087	



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Stage: y	Stage: z	Name	Specific δz	Specific Building:	Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-21.09000	-4.49130	96.40000	-2.2114	d				1.3430	
-21.09000	-4.35700	96.40000	-2.2653	d					
		30			No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	0.0	
-24.32700	-30.49200	96.40000	-0.014506	d				0.95720	
-25.28300	-30.44414	96.40000	-0.013675	d				1.9144	
-26.23900	-30.39629	96.40000	-0.012711	d				2.8716	
-27.19500	-30.34843	96.40000	-0.011624	d				3.8288	
-28.15100	-30.30057	96.40000	-0.010421	d				4.7860	
-29.10700	-30.25271	96.40000	-0.0091138	d				5.7432	
-30.06300	-30.20486	96.40000	-0.0077127	d				6.7004	
-31.01900	-30.15700	96.40000	-0.0062292	d					
		31			No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	0.0	
-31.11900	-30.15700	96.40000	-0.0060430	d				0.98917	
-31.11825	-29.16783	96.40000	-0.011615	d				1.9783	
-31.11750	-28.17867	96.40000	-0.017846	d				2.9675	
-31.11675	-27.18950	96.40000	-0.024809	d				3.9567	
-31.11600	-26.20033	96.40000	-0.032590	d				4.9458	
-31.11525	-25.21117	96.40000	-0.041287	d				5.9350	
-31.11450	-24.22200	96.40000	-0.051009	d				6.9242	
-31.11375	-23.23283	96.40000	-0.061884	d				7.9133	
-31.11300	-22.24367	96.40000	-0.074058	d				8.9025	
-31.11225	-21.25450	96.40000	-0.087701	d				9.8917	
-31.11150	-20.26533	96.40000	-0.10301	d				10.881	
-31.11075	-19.27617	96.40000	-0.12022	d				11.870	
-31.11000	-18.28700	96.40000	-0.13961	d				12.859	
-31.10925	-17.29783	96.40000	-0.16150	d				13.848	
-31.10850	-16.30867	96.40000	-0.18630	d				14.838	
-31.10775	-15.31950	96.40000	-0.21449	d				15.827	
-31.10700	-14.33033	96.40000	-0.24666	d				16.816	
-31.10625	-13.34117	96.40000	-0.28358	d				17.805	
-31.10550	-12.35200	96.40000	-0.32621	d				18.794	
-31.10475	-11.36283	96.40000	-0.37582	d				19.783	
-31.10400	-10.37367	96.40000	-0.43412	d				20.773	
-31.10325	-9.38450	96.40000	-0.50356	d				21.762	
-31.10250	-8.39533	96.40000	-0.58774	d				22.751	
-31.10175	-7.40617	96.40000	-0.69258	d				23.740	
-31.10100	-6.41700	96.40000	-0.82893	d					
		32			No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	0.0	
-31.00100	-6.41700	96.40000	-0.83925	d				0.96533	
-30.03740	-6.35920	96.40000	-0.94793	d				1.9307	
-29.07380	-6.30140	96.40000	-1.0521	d				2.8960	
-28.11020	-6.24360	96.40000	-1.1547	d					



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-27.14660	-6.18580	96.40000	-1.2565 d			3.8613	
-26.18300	-6.12800	96.40000	-1.3572 d			4.8267	
-26.08300	-6.12800	96.40000	-1.3659 d	No 7 Lyndhurst Terrace No 7 LG - Line 25	0.0	0.0	
-25.10440	-6.04240	96.40000	-1.4709 d			0.98234	
-24.12580	-5.95680	96.40000	-1.5664 d			1.9647	
-23.14720	-5.87120	96.40000	-1.6452 d			2.9470	
-22.16860	-5.78560	96.40000	-1.7038 d			3.9293	
-21.19000	-5.70000	96.40000	-1.7695 d			4.9117	
-1.00000	-40.00000	99.25000	0.026772 d	Lyndhurst Terrace Curb Line Lyndhurst Terrace Curb Line	0.0	0.0	
-1.00000	-39.00000	99.25000	0.025314 d			1.0000	
-1.00000	-38.00000	99.25000	0.023645 d			2.0000	
-1.00000	-37.00000	99.25000	0.021742 d			3.0000	
-1.00000	-36.00000	99.25000	0.019583 d			4.0000	
-1.00000	-35.00000	99.25000	0.017143 d			5.0000	
-1.00000	-34.00000	99.25000	0.014391 d			6.0000	
-1.00000	-33.00000	99.25000	0.011299 d			7.0000	
-1.00000	-32.00000	99.25000	0.0078293 d			8.0000	
-1.00000	-31.00000	99.25000	0.0039454 d			9.0000	
-1.00000	-30.00000	99.25000	-395.45E-6 d			10.000	
-1.00000	-29.00000	99.25000	-0.0052404 d			11.000	
-1.00000	-28.00000	99.25000	-0.010642 d			12.000	
-1.00000	-27.00000	99.25000	-0.016658 d			13.000	
-1.00000	-26.00000	99.25000	-0.023353 d			14.000	
-1.00000	-25.00000	99.25000	-0.030801 d			15.000	
-1.00000	-24.00000	99.25000	-0.039083 d			16.000	
-1.00000	-23.00000	99.25000	-0.048290 d			17.000	
-1.00000	-22.00000	99.25000	-0.058525 d			18.000	
-1.00000	-21.00000	99.25000	-0.069904 d			19.000	
-1.00000	-20.00000	99.25000	-0.082559 d			20.000	
-1.00000	-19.00000	99.25000	-0.096639 d			21.000	
-1.00000	-18.00000	99.25000	-0.11231 d			22.000	
-1.00000	-17.00000	99.25000	-0.12977 d			23.000	
-1.00000	-16.00000	99.25000	-0.14923 d			24.000	
-1.00000	-15.00000	99.25000	-0.17094 d			25.000	
-1.00000	-14.00000	99.25000	-0.19519 d			26.000	
-1.00000	-13.00000	99.25000	-0.22228 d			27.000	
-1.00000	-12.00000	99.25000	-0.25258 d			28.000	
-1.00000	-11.00000	99.25000	-0.28647 d			29.000	
						30.000	



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Stage: y	Stage: z	Name δz Building: Ref.	Specific	Specific	Building: Name	Sub-building Name	Vertical	Dist.	x
Ref.							Offset		
-1.00000	-10.00000	99.25000	-0.32434	d				31.000	
-1.00000	-9.00000	99.25000	-0.36660	d				32.000	
-1.00000	-8.00000	99.25000	-0.41357	d				33.000	
-1.00000	-7.00000	99.25000	-0.46539	d				34.000	
-1.00000	-6.00000	99.25000	-0.52192	d				35.000	
-1.00000	-5.00000	99.25000	-0.58245	d				36.000	
-1.00000	-4.00000	99.25000	-0.61935	d				37.000	
-1.00000	-3.00000	99.25000	-0.66003	d				38.000	
-1.00000	-2.00000	99.25000	-0.70249	d				39.000	
-1.00000	-1.00000	99.25000	-0.74879	d				40.000	
-1.00000	0.00000	99.25000	-0.78460	d				41.000	
-1.00000	1.00000	99.25000	-0.80567	d				42.000	
-1.00000	2.00000	99.25000	-0.81012	d				43.000	
-1.00000	3.00000	99.25000	-0.79695	d				44.000	
-1.00000	4.00000	99.25000	-0.76599	d				45.000	
-1.00000	5.00000	99.25000	-0.71831	d				46.000	
-1.00000	6.00000	99.25000	-0.65687	d				47.000	
-1.00000	7.00000	99.25000	-0.60253	d				48.000	
-1.00000	8.00000	99.25000	-0.56691	d				49.000	
-1.00000	9.00000	99.25000	-0.53402	d				50.000	
-1.00000	10.00000	99.25000	-0.50250	d				51.000	
-1.00000	11.00000	99.25000	-0.45208	d				52.000	
-1.00000	12.00000	99.25000	-0.40047	d				53.000	
-1.00000	13.00000	99.25000	-0.35413	d				54.000	
-1.00000	14.00000	99.25000	-0.31268	d				55.000	
-1.00000	15.00000	99.25000	-0.27567	d				56.000	
-1.00000	16.00000	99.25000	-0.24263	d				57.000	
-1.00000	17.00000	99.25000	-0.21314	d				58.000	
-1.00000	18.00000	99.25000	-0.18680	d				59.000	
-1.00000	19.00000	99.25000	-0.16324	d				60.000	
-1.00000	20.00000	99.25000	-0.14216	d				61.000	
-1.00000	21.00000	99.25000	-0.12328	d				62.000	
-1.00000	22.00000	99.25000	-0.10636	d				63.000	
-1.00000	23.00000	99.25000	-0.091177	d				64.000	
-1.00000	24.00000	99.25000	-0.077549	d				65.000	
-1.00000	25.00000	99.25000	-0.065311	d				66.000	
-1.00000	26.00000	99.25000	-0.054317	d				67.000	
-1.00000	27.00000	99.25000	-0.044439	d				68.000	
-1.00000	28.00000	99.25000	-0.035562	d					



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Stage: Name	Specific Building: Name	Sub-building Name	Vertical Dist.	x
y z	δz			
Ref.	Building: Ref.		Offset	
-1.00000	29.00000 99.25000	-0.027587 d	69.000	
-1.00000	30.00000 99.25000	-0.020423 d	70.000	

d - Displacements include imported displacements.

Specific Building Damage Results - Detail

Stage: Name	Specific Building: Name	Sub-building Name	Vertical Offset
Segment	Start Length Curvature Deflection Average	Max Max Gradient Max Gradient	Min
Damage Category	Ref.	Building: Ref.	from Line for
Ratio	Horizontal Tensile	of of Vertical	Vertical
Strain	Strain Horizontal	Displacement Curvature	Movement
Displacement	Curve		Calculations
Curve			[m]
[m]	[m]	[%]	[m]
0	Base Model 1	No 11 Lyndhurst Terrace	No 11 LG - Line 1 0.0
0.0	3.1990 None	375.79E-6 0.050510 0.050629	-0.0010493 -73.562E-6 78371. 1 (Very Slight) 0.0
0.0	2.5190 None	25.435E-6 0.0011653 0.0011717	-16.539E-6 36.745E-6 872000. 0 (Negligible) 0.0
0.0	7.7950 None	487.04E-6 0.0079027 0.0082600	-272.88E-6 -60.089E-6 108330. 0 (Negligible) 0.0
0.0	0.44100 None	2.0262E-6 0.0 2.0385E-6	0.0 -13.190E-6 2.6988E+6 0 (Negligible) 0.0
0.0	2.0957 None	56.339E-6 0.0 56.040E-6	0.0 -20.407E-6 425440. 0 (Negligible) 0.0
19.162	0.0 None	0.0 0.0 35.763E-9	0.0 273.64E-6 1473.3 0 (Negligible) 0.0
0.0	12.025 None	0.0016092 0.029340 0.031017	-448.99E-6 153.11E-6 37356. 0 (Negligible) 0.0
12.025	0.37236 None	288.48E-6 0.060762 0.060773	-706.22E-6 153.11E-6 394070. 1 (Very Slight) 0.0
12.397	0.35837 None	249.97E-6 0.070672 0.070681	-706.22E-6 155.40E-6 327290. 1 (Very Slight) 0.0
12.756	1.4404 None	716.56E-6 0.070672 0.070775	-706.22E-6 155.40E-6 16530. 1 (Very Slight) 0.0
0.0	6.8692 None	0.0011610 -0.0059571 0.0013581	676.48E-6 52.012E-6 71076. 0 (Negligible) 0.0
6.8692	1.6829 None	697.67E-6 0.0050970 0.0052145	-103.83E-6 -37.898E-6 36299. 0 (Negligible) 0.0
8.5521	9.3596 None	863.24E-6 0.0047148 0.0054549	-103.83E-6 -68.435E-6 52601. 0 (Negligible) 0.0
17.912	3.3333 None	51.165E-6 0.0013521 0.0013690	-16.410E-6 -68.435E-6 384560. 0 (Negligible) 0.0
0.0	8.1880 None	0.0019231 0.10451 0.10584	-0.0017130 138.54E-6 6792.9 2 (Slight) 0.0
0.0	5.4220 None	0.0046677 0.066889 0.069093	-0.0010770 -437.61E-6 12294. 1 (Very Slight) 0.0
0.0	2.8040 None	135.27E-6 -212.39E-6 100.24E-6	16.692E-6 -29.924E-6 228460. 0 (Negligible) 0.0
0.0	5.7260 None	882.15E-6 0.027989 0.028428	-316.90E-6 -106.07E-6 49644. 0 (Negligible) 0.0
0.0	2.9520 None	44.281E-6 0.0 43.952E-6	0.0 10.707E-6 710710. 0 (Negligible) 0.0
0.0	6.6575 None	327.58E-6 0.0098141 0.010002	-273.81E-6 -42.087E-6 168620. 0 (Negligible) 0.0
vertical displacements are less than the limit sensitivity.			
vertical displacements are less than the limit sensitivity.			
vertical displacements are less than the limit sensitivity.			
vertical displacements are less than the limit sensitivity.			
vertical displacements are less than the limit sensitivity.			
3.9732	2.9798 None	103.32E-6 0.0 102.53E-6	0.0 26.238E-6 294690. 0 (Negligible) 0.0
0.0	1.8580 None	15.924E-6 0.0 15.843E-6	0.0 -7.3379E-6 1.4437E+6 0 (Negligible) 0.0



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Stage Segment	Stage Name	Specific Start	Specific Length	Specific Curvature	Specific Building: Deflection	Specific Building: Name Average	Sub-building Name Max	Sub-building Name Max Gradient	Vertical Offset Max	Vertical Offset Min
Damage Category	Ref.	Building: Ref.							from Line for	
0.0	2.5220	None	22	25.693E-6	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	18.532E-6	1.0778E+6 0 (Negligible)
0.0	8.6620	None	23	0.0014618	0.025117	No 7 Lyndhurst Terrace	No 7 LG - Line 15	-997.65E-6	143.02E-6	31660. 0 (Negligible)
0.0	1.1790	None	24	67.800E-6	71.940E-9	No 7 Lyndhurst Terrace	No 7 LG - Line 16	-719.40E-12	60.536E-6	215170. 0 (Negligible)
0.0	0.93000	None	25	705.79E-6	0.10000	No 7 Lyndhurst Terrace	No 7 LG - Line 17	-999.00E-6	236.69E-6	13759. 2 (Slight)
0.0	6.9210	None	26	847.69E-6	-0.014552	No 7 Lyndhurst Terrace	No 7 LG - Line 18	660.13E-6	65.634E-6	87119. 0 (Negligible)
0.0	1.1840	None	27	0.0015589	0.085171	No 7 Lyndhurst Terrace	No 7 LG - Line 19	-0.0010264	399.99E-6	7376.7 2 (Slight)
0.0	1.6950	None	28	526.78E-6	-0.0057544	No 7 Lyndhurst Terrace	No 7 LG - Line 20	710.60E-6	-43.364E-6	13644. 0 (Negligible)
1.6950	0.14803	None	29	0.0	-0.071009	No 7 Lyndhurst Terrace	No 7 LG - Line 21	710.60E-6	-41.762E-6	43419. 0 (Negligible)
0.0	0.18275	None	30	70.637E-6	0.079807	No 7 Lyndhurst Terrace	No 7 LG - Line 22	-848.10E-6	371.49E-6	34014. 2 (Slight)
0.18275	0.41371	None	31	789.47E-6	0.043447	No 7 Lyndhurst Terrace	No 7 LG - Line 23	-656.97E-6	373.98E-6	8477.2 0 (Negligible)
0.59646	0.74654	None	32	806.43E-6	-0.079057	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0016690	402.13E-6	5949.7 0 (Negligible)
vertical displacements are less than the limit sensitivity.										
9.8917	13.848	None	33	0.0013971	0.026595	No 7 Lyndhurst Terrace	No 7 LG - Line 25	-999.00E-6	137.70E-6	28653. 0 (Negligible)
0.0	4.8260	None	34	117.97E-6	450.31E-6	No 7 Lyndhurst Terrace	No 7 LG - Line 26	-4.7801E-6	112.58E-6	179910. 0 (Negligible)
0.0	3.9046	None	35	797.67E-6	0.0010574	No 7 Lyndhurst Terrace	No 7 LG - Line 27	-11.958E-6	106.95E-6	61332. 0 (Negligible)
3.9046	1.0064	None	36	17.394E-6	-0.12509	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0012843	66.957E-6	68864. 0 (Negligible)
22.000	11.626	None	37	517.57E-6	0.016779	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	-258.64E-6	56.521E-6	209210. 0 (Negligible)
33.626	2.9334	None	38	522.04E-6	-0.011566	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	563.34E-6	60.518E-6	102320. 0 (Negligible)
36.559	1.3530	None	39	38.962E-6	-0.072349	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	801.70E-6	42.497E-6	359990. 0 (Negligible)
37.912	7.7481	None	40	0.0015788	-0.0050766	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	801.70E-6	-61.448E-6	57208. 0 (Negligible)
45.660	2.9962	None	41	531.64E-6	-0.054289	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	742.66E-6	-61.448E-6	84960. 0 (Negligible)
48.656	2.8724	None	42	468.92E-6	-0.014702	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	402.57E-6	-51.608E-6	106950. 0 (Negligible)
51.529	10.471	None	43	440.36E-6	0.017283	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	-285.30E-6	-51.608E-6	205340. 0 (Negligible)

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Building

Stage	Stage Name	Specific Average	Specific Max Slope	Specific Max	Specific Building: Max	Specific Building: Name Max Gradient of	Sub-building Name Max Gradient of	Sub-building Name Min Radius	Vertical Deflection
Category	Ref.	Building: Ref.							Ratio
Horizontal Strain	Ref.	Settlement	Tensile	Horizontal	Vertical	of	of	Offset from	Ratio
Curve	Curve	(Hogging)	(Sagging)	Displacement	Displacement	Curvature	Curvature	Line for	Ratio
[%]	[mm]	[%]	[mm]	[m]	[m]	[m]	[m]	Vertical	[%]
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1			0.0	375.79E-6
0.050510	-73.562E-6	0.54531	0.050629	-0.0010493	-73.562E-6	-	-	- 1	(Very Slight)
0.0011653	36.745E-6	0.44476	0.0011717	-16.539E-6	36.745E-6	-	-	0.0	25.435E-6
0.0079027	-60.089E-6	0.44479	0.0082600	-272.88E-6	-60.089E-6	-	-	0.0	487.04E-6
0.0	-13.190E-6	0.15094	2.0385E-6	0.0	-13.190E-6	-	-	0.0	2.0262E-6
0.0	-20.407E-6	0.14513	56.040E-6	0.0	-20.407E-6	-	-	0.0	56.339E-6
								0.0	(Negligible)



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Ground Movement Assessment
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Stage: Average Category	Stage: Max Slope	Name Specific Max	Specific Building: Max	Building: Name Max Gradient	Sub-building Name Max Gradient of Min Radius	Vertical Deflection Min Radius	Ratio Damage
0.0	273.64E-6	0.13776	35.763E-9	0.0	273.64E-6	-	- 0 (Negligible)
0.070672	155.40E-6	1.2359	0.070775	-706.22E-6	155.40E-6	-	- 1 (Very Slight)
-0.0059571	-68.435E-6	1.3465	0.0054549	676.48E-6	-68.435E-6	-	- 0
0.10451	138.54E-6	2.4625	0.10584	-0.0017130	138.54E-6	-	- 2 (Slight)
0.066889	-437.61E-6	2.3026	0.069093	-0.0010770	-437.61E-6	-	- 1 (Very Slight)
-212.39E-6	-29.924E-6	0.77985	100.24E-6	16.692E-6	-29.924E-6	-	- 0
0.027989	-106.07E-6	0.69554	0.028428	-316.90E-6	-106.07E-6	-	- 0 (Negligible)
0.0	10.707E-6	0.30934	43.952E-6	0.0	10.707E-6	-	- 0 (Negligible)
0.0098141	-42.087E-6	0.30474	0.010002	-273.81E-6	-42.087E-6	-	- 0 (Negligible)
0.0	26.238E-6	0.18462	102.53E-6	0.0	26.238E-6	-	- 0 (Negligible)
0.0	-7.3379E-6	0.18745	15.843E-6	0.0	-7.3379E-6	-	- 0 (Negligible)
0.0	18.532E-6	0.21846	25.570E-6	0.0	18.532E-6	-	- 0 (Negligible)
0.025117	143.02E-6	0.87394	0.026179	-997.65E-6	143.02E-6	-	- 0 (Negligible)
71.940E-9	60.536E-6	0.96019	67.770E-6	-719.40E-12	60.536E-6	-	- 0 (Negligible)
0.10000	236.69E-6	1.1610	0.10006	-999.00E-6	236.69E-6	-	- 2 (Slight)
-0.014552	65.634E-6	1.4117	0.0029482	660.13E-6	65.634E-6	-	- 0 (Negligible)
0.085171	399.99E-6	1.8142	0.085335	-0.0010264	399.99E-6	-	- 2 (Slight)
-0.071009	-43.364E-6	1.8135	0.014202	710.60E-6	-43.364E-6	-	- 0 (Negligible)
0.079807	402.13E-6	2.2653	0.079808	0.0016690	402.13E-6	-	- 2 (Slight)
0.026595	137.70E-6	0.82892	0.028525	-999.00E-6	137.70E-6	-	- 0 (Negligible)
450.31E-6	112.58E-6	1.3571	600.64E-6	-4.7801E-6	112.58E-6	-	- 0 (Negligible)
-0.12509	106.95E-6	1.7695	0.025017	0.0012843	106.95E-6	-	- 0 (Negligible)
-0.072349	-61.448E-6	0.81004	0.017408	801.70E-6	-61.448E-6	-	- 0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Building

Stage: Building Category	Stage: Name Critical	Name Specific Start	Specific Building: End	Building: Name Curvature	Parameter Max	Min	Min	Critical Sub-Damage
Ref.	Building:	Ref.	Settlement	Tensile	Radius of	Radius of		
Segment	Ref.	Strain	Curvature	Curvature				
(Hogging)	(Sagging)							
[m]	[m]	[mm]	[%]	[m]	[m]			
0	Base Model	0	No 11 Lyndhurst Terrace	Max Slope			No 11 LG - Line 6	
1	19.162	19.162	None	273.64E-6	0.13776	35.763E-9	Max Settlement	No 11 LG - Line 8
1	0.0	6.8692	None	52.012E-6	1.3465	0.0013581	Max Tensile Strain	No 11 LG - Line 7
4	12.756	14.196	None	155.40E-6	1.2359	0.070775	Min Radius of Curvature (Hogging)	
-	-	-	-	-	-	-	Min Radius of Curvature (Sagging)	
1	0.0	5.4220	None	437.61E-6	2.3026	0.069093	Max Settlement	No 7 LG - Line 1



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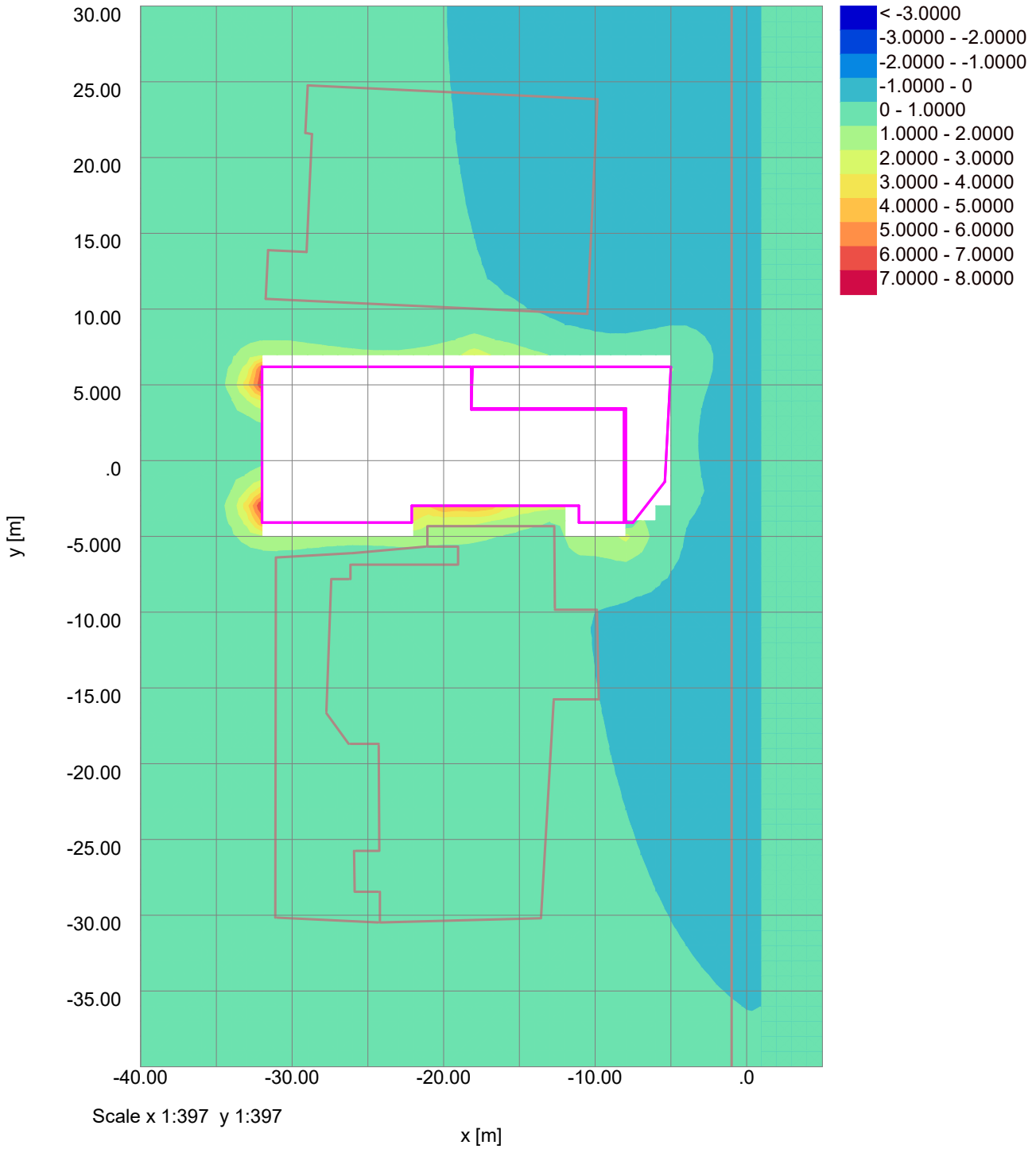
9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 2 - Bulk Excavation

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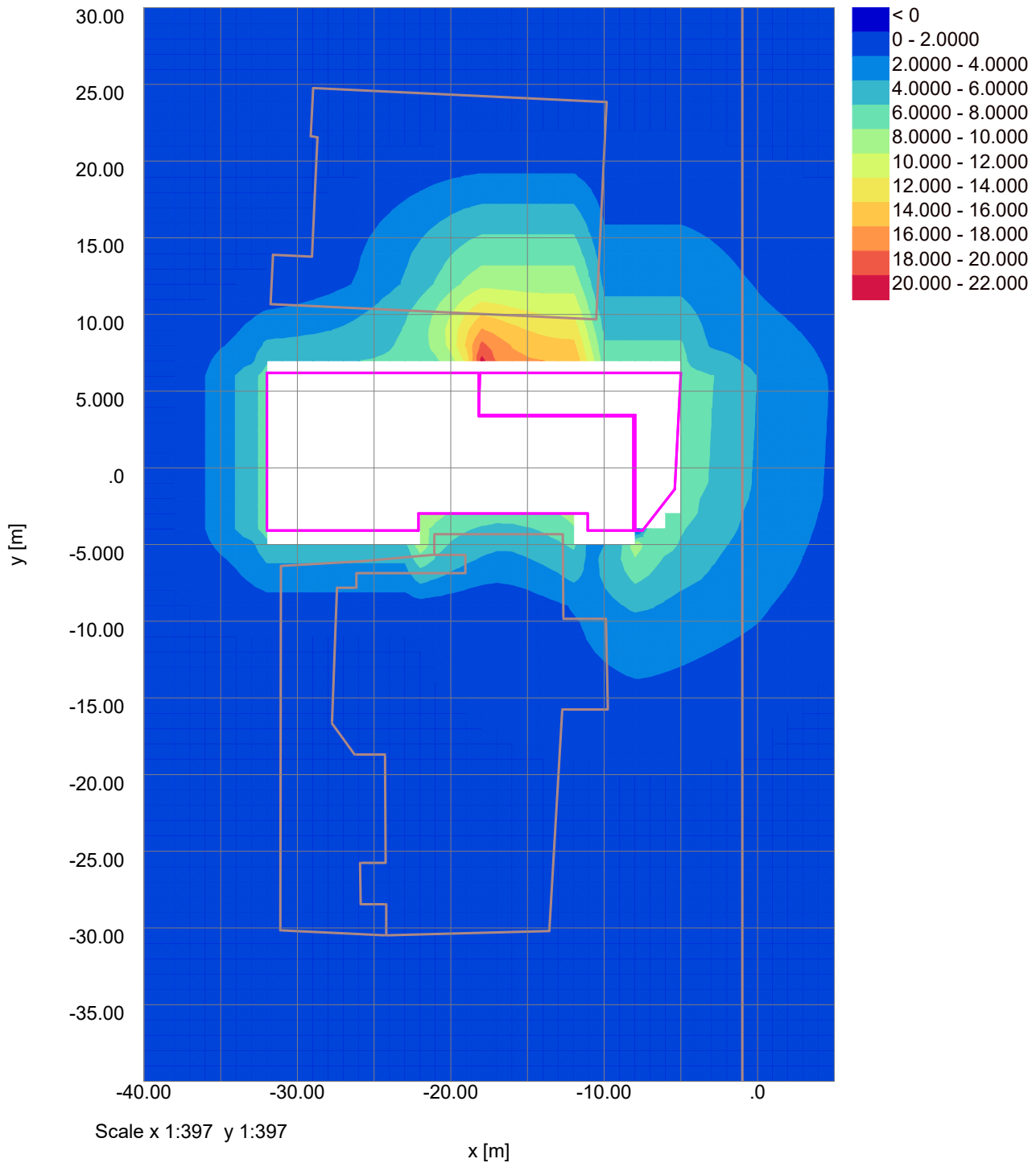
Stage: Building Category	Stage: Ref.	Name	Specific Critical	Specific Start	Specific End	Specific Curvature	Building: Name	Building: Max Slope	Building: Max	Parameter Max	Parameter Min	Critical Min	Sub-Damage
1	0.0	8.1880	None	138.54E-6	2.4625	0.10584				-	-	2 (Slight)	
1	0.0	8.1880	None	138.54E-6	2.4625	0.10584				-	-	2 (Slight)	No 7 LG - Line 1
-	-	-	-	-	-	-				-	-	-	
-	-	-	-	-	-	-				-	-	-	
-	-	-	-	-	-	-				-	-	-	
Curb Line	4	0	Lyndhurst Terrace Curb Line	37.912	45.660	None				0.81004	0.0010154	-	Lyndhurst Terrace - 0 (Negligible)
Curb Line	4	37.912	45.660	None	61.448E-6					0.81004	0.0010154	-	Lyndhurst Terrace - 0 (Negligible)
Curb Line	7	51.529	62.000	None	51.608E-6					0.42479	0.017408	-	Lyndhurst Terrace - 0 (Negligible)
-	-	-	-	-	-	-				-	-	-	
-	-	-	-	-	-	-				-	-	-	

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Vertical Settlement Contours: Grid 1 (level 99.750m) (Interval 1mm)



Horizontal Displacement Contours: Grid 1 (level 99.750m) Interval 2mm





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Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Titles

Job No.: J20089
 Job Title: 9 Lyndhurst Terrace, London
 Sub-title: Ground Movement Assessment
 Calculation Heading: Stage 3 - Short Term - Complete Construction
 Initials: AT
 Checker:
 Date Saved: 30-Aug-2023
 Date Checked:
 Notes:
 File Name: XDisp - Stage 3 - Complete Short Term.xdd
 File Path: G:\Shared\GEA\PROJECTS\2020\J20089 - 9 Lyndhurst Terrace\J20089A\GMA

History

Date	Time	By	Notes
10-Jun-2020	10:57	Alex Taylor	New
10-Jun-2020	11:11	Alex Taylor	
10-Jun-2020	19:07	Alex Taylor	
10-Jun-2020	19:12	Alex Taylor	
10-Jun-2020	19:14	Alex Taylor	
11-Jun-2020	12:11	Alex Taylor	
22-Jun-2020	12:41	Alex Taylor	
22-Jun-2020	13:10	Alex Taylor	
23-Sep-2020	14:20	Alex Taylor	
15-Oct-2020	15:14	Alex Taylor	
16-Oct-2020	12:05	Alex Taylor	
16-Oct-2020	12:19	Alex Taylor	
16-Oct-2020	13:06	Alex Taylor	
16-Oct-2020	13:10	Alex Taylor	
23-Oct-2020	14:54	Alex Taylor	
23-Oct-2020	15:03	Alex Taylor	
27-Oct-2020	11:54	Alex Taylor	
30-Aug-2023	09:29	Alex Taylor	
30-Aug-2023	12:35	Alex Taylor	
30-Aug-2023	13:30	Alex Taylor	
31-Aug-2023	15:33	Alex Taylor	Open

Displacement Lines

Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface
Interpolate	Calculate								
imported									type
displacements									for
									tunnels
		[m]	[m]	[m]	[m]	[m]	[m]	[No.]	
1	No 11 LG - Line 1	-31.74200	10.69900	98.25000	-31.58900	13.89500	98.25000	6	Surface
No	Yes								
2	No 11 LG - Line 2	-31.58900	13.89500	98.25000	-29.07200	13.77500	98.25000	5	Surface
No	Yes								
3	No 11 LG - Line 3	-29.07200	13.77500	98.25000	-28.69900	21.56200	98.25000	16	Surface
No	Yes								
4	No 11 LG - Line 4	-28.69900	21.56200	98.25000	-29.13400	21.64000	98.25000	2	Surface
No	Yes								
5	No 11 LG - Line 5	-29.13400	21.64000	98.25000	-28.98400	24.78000	98.25000	6	Surface
No	Yes								
6	No 11 LG - Line 6	-28.98400	24.78000	98.25000	-9.84300	23.86500	98.25000	38	Surface
No	Yes								
7	No 11 LG - Line 7	-9.84300	23.86500	98.25000	-10.52100	9.68500	98.25000	28	Surface
No	Yes								
8	No 11 LG - Line 8	-10.52100	9.68500	98.25000	-31.74200	10.69900	98.25000	42	Surface
No	Yes								
9	No 7 LG - Line 1	-20.99000	-4.35700	96.40000	-12.80200	-4.32600	96.40000	8	Surface
No	Yes								
10	No 7 LG - Line 2	-12.70200	-4.32600	96.40000	-12.69600	-9.74800	96.40000	5	Surface



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Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface	
Interpolate	Calculate									type
imported										
No	Yes									
11	No 7 LG - Line 3	-12.69600	-9.84800	96.40000	-9.89100	-9.84800	96.40000	3	Surface	
No	Yes									
12	No 7 LG - Line 4	-9.89100	-9.94800	96.40000	-9.78800	-15.67400	96.40000	6	Surface	
No	Yes									
13	No 7 LG - Line 5	-9.78800	-15.77400	96.40000	-12.74000	-15.77400	96.40000	3	Surface	
No	Yes									
14	No 7 LG - Line 6	-12.74000	-15.87400	96.40000	-13.58600	-30.11500	96.40000	15	Surface	
No	Yes									
15	No 7 LG - Line 7	-13.58600	-30.21500	96.40000	-24.12700	-30.49200	96.40000	10	Surface	
No	Yes									
16	No 7 LG - Line 8	-24.22700	-30.49200	96.40000	-24.24100	-28.45400	96.40000	2	Surface	
No	Yes									
17	No 7 LG - Line 9	-24.34100	-28.45400	96.40000	-25.80000	-28.46600	96.40000	2	Surface	
No	Yes									
18	No 7 LG - Line 10	-25.90000	-28.46600	96.40000	-25.91900	-25.77300	96.40000	2	Surface	
No	Yes									
19	No 7 LG - Line 11	-25.81900	-25.77300	96.40000	-24.36000	-25.76100	96.40000	2	Surface	
No	Yes									
20	No 7 LG - Line 12	-24.26000	-25.76100	96.40000	-24.30900	-18.80800	96.40000	7	Surface	
No	Yes									
21	No 7 LG - Line 13	-24.30900	-18.70800	96.40000	-26.16700	-18.70800	96.40000	2	Surface	
No	Yes									
22	No 7 LG - Line 14	-26.26700	-18.70800	96.40000	-27.76500	-16.67900	96.40000	3	Surface	
No	Yes									
23	No 7 LG - Line 15	-27.76500	-16.57900	96.40000	-27.44600	-7.92200	96.40000	8	Surface	
No	Yes									
24	No 7 LG - Line 16	-27.44600	-7.82200	96.40000	-26.26700	-7.82100	96.40000	2	Surface	
No	Yes									
25	No 7 LG - Line 17	-26.16700	-7.82100	96.40000	-26.16800	-6.89100	96.40000	10	Surface	
No	Yes									
26	No 7 LG - Line 18	-26.06800	-6.89100	96.40000	-19.14700	-6.88400	96.40000	7	Surface	
No	Yes									
27	No 7 LG - Line 19	-19.04700	-6.88400	96.40000	-19.04700	-5.70000	96.40000	10	Surface	
No	Yes									
28	No 7 LG - Line 20	-19.14700	-5.70000	96.40000	-20.99000	-5.70000	96.40000	10	Surface	
No	Yes									
29	No 7 LG - Line 21	-21.09000	-5.70000	96.40000	-21.09000	-4.35700	96.40000	10	Surface	
No	Yes									
30	No 7 LG - Line 22	-24.32700	-30.49200	96.40000	-31.01900	-30.15700	96.40000	7	Surface	
No	Yes									
31	No 7 LG - Line 23	-31.11900	-30.15700	96.40000	-31.10100	-6.41700	96.40000	24	Surface	
No	Yes									
32	No 7 LG - Line 24	-31.00100	-6.41700	96.40000	-26.18300	-6.12800	96.40000	5	Surface	
No	Yes									
33	No 7 LG - Line 25	-26.08300	-6.12800	96.40000	-21.19000	-5.70000	96.40000	5	Surface	
No	Yes									
34	Thames Water Asset	2.00000	-40.00000	98.75000	2.00000	30.00000	98.75000	70	Surface	
No	Yes									
35	Lyndhurst Terrace Curb Line	-1.00000	-40.00000	99.25000	-1.00000	30.00000	99.25000	70	Surface	
No	Yes									
36	Cadent Gas Asset	0.00000	-40.00000	98.75000	0.00000	30.00000	98.75000	70	Surface	
No	Yes									
37	UKPN Asset	-2.00000	-40.00000	98.75000	-2.00000	30.00000	98.75000	70	Surface	
No	Yes									

Displacement Grids

Ref.	Name	Extrusion:	Base line	Base line	Base	Base	Base	Base	Base	Extrusion:	Extrusion:
Surface	Calculate	Direction	start: X	start: Y	line	line	line	line	line:	Distance	Intervals
type											
for											
tunnels											
			[m]	[m]	[m]	[m]	[m]	[m]	[No.]	[m]	[No.]
1	Grid 1	Global X	-40.00000	-40.00000	99.75000	-	30.00000	99.75000	70	45.00000	45
	Surface	Yes									

Imported Displacements



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Stage 3 - Short Term - Complete Construction

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Ref.	Name	Extrusion:	Base line	Base line	Base	Base	Base	Base	Base	Extrusion:	Extrusion:
Surface	Calculate	Direction	start: X	start: Y	line	line	line	line	line:	Distance	Intervals
type											

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:
Displacements:	Displacements:	Ref.	x	y	z
Ref.	Name		[m]	[m]	[m]
x	y	z			
[mm]	[mm]	[mm]			
1	PDisp - Stage 3 - Complete Short Term.pdd - Immediate	1	-40.00000	-40.00000	99.75000
0.00000	0.00000	0.00330			
0.00000	0.00000	0.00343	2	-39.00000	-40.00000
0.00000	0.00000	0.00355	3	-38.00000	-40.00000
0.00000	0.00000	0.00366	4	-37.00000	-40.00000
0.00000	0.00000	0.00375	5	-36.00000	-40.00000
0.00000	0.00000	0.00384	6	-35.00000	-40.00000
0.00000	0.00000	0.00391	7	-34.00000	-40.00000
0.00000	0.00000	0.00397	8	-33.00000	-40.00000
0.00000	0.00000	0.00402	9	-32.00000	-40.00000
0.00000	0.00000	0.00405	10	-31.00000	-40.00000
0.00000	0.00000	0.00406	11	-30.00000	-40.00000
0.00000	0.00000	0.00406	12	-29.00000	-40.00000
0.00000	0.00000	0.00404	13	-28.00000	-40.00000
0.00000	0.00000	0.00400	14	-27.00000	-40.00000
0.00000	0.00000	0.00395	15	-26.00000	-40.00000
0.00000	0.00000	0.00389	16	-25.00000	-40.00000
0.00000	0.00000	0.00380	17	-24.00000	-40.00000
0.00000	0.00000	0.00371	18	-23.00000	-40.00000
0.00000	0.00000	0.00359	19	-22.00000	-40.00000
0.00000	0.00000	0.00347	20	-21.00000	-40.00000
0.00000	0.00000	0.00334	21	-20.00000	-40.00000
0.00000	0.00000	0.00319	22	-19.00000	-40.00000
0.00000	0.00000	0.00304	23	-18.00000	-40.00000
0.00000	0.00000	0.00288	24	-17.00000	-40.00000
0.00000	0.00000	0.00271	25	-16.00000	-40.00000
0.00000	0.00000	0.00254	26	-15.00000	-40.00000
0.00000	0.00000	0.00236	27	-14.00000	-40.00000
0.00000	0.00000	0.00219	28	-13.00000	-40.00000
0.00000	0.00000	0.00201	29	-12.00000	-40.00000
0.00000	0.00000	0.00184	30	-11.00000	-40.00000
0.00000	0.00000	0.00168	31	-10.00000	-40.00000
0.00000	0.00000	0.00151	32	-9.00000	-40.00000
0.00000	0.00000	0.00136	33	-8.00000	-40.00000
0.00000	0.00000	0.00121	34	-7.00000	-40.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	Coordinates: z
0.00000	0.00000	0.00107	1	35	-6.00000	-40.00000	99.75000
0.00000	0.00000	0.00094	1	36	-5.00000	-40.00000	99.75000
0.00000	0.00000	0.00082	1	37	-4.00000	-40.00000	99.75000
0.00000	0.00000	0.00071	1	38	-3.00000	-40.00000	99.75000
0.00000	0.00000	0.00061	1	39	-2.00000	-40.00000	99.75000
0.00000	0.00000	0.00053	1	40	-1.00000	-40.00000	99.75000
0.00000	0.00000	0.00045	1	41	0.00000	-40.00000	99.75000
0.00000	0.00000	0.00374	1	42	-40.00000	-39.00000	99.75000
0.00000	0.00000	0.00388	1	43	-39.00000	-39.00000	99.75000
0.00000	0.00000	0.00401	1	44	-38.00000	-39.00000	99.75000
0.00000	0.00000	0.00414	1	45	-37.00000	-39.00000	99.75000
0.00000	0.00000	0.00425	1	46	-36.00000	-39.00000	99.75000
0.00000	0.00000	0.00434	1	47	-35.00000	-39.00000	99.75000
0.00000	0.00000	0.00442	1	48	-34.00000	-39.00000	99.75000
0.00000	0.00000	0.00449	1	49	-33.00000	-39.00000	99.75000
0.00000	0.00000	0.00454	1	50	-32.00000	-39.00000	99.75000
0.00000	0.00000	0.00457	1	51	-31.00000	-39.00000	99.75000
0.00000	0.00000	0.00458	1	52	-30.00000	-39.00000	99.75000
0.00000	0.00000	0.00457	1	53	-29.00000	-39.00000	99.75000
0.00000	0.00000	0.00455	1	54	-28.00000	-39.00000	99.75000
0.00000	0.00000	0.00450	1	55	-27.00000	-39.00000	99.75000
0.00000	0.00000	0.00444	1	56	-26.00000	-39.00000	99.75000
0.00000	0.00000	0.00436	1	57	-25.00000	-39.00000	99.75000
0.00000	0.00000	0.00426	1	58	-24.00000	-39.00000	99.75000
0.00000	0.00000	0.00415	1	59	-23.00000	-39.00000	99.75000
0.00000	0.00000	0.00402	1	60	-22.00000	-39.00000	99.75000
0.00000	0.00000	0.00387	1	61	-21.00000	-39.00000	99.75000
0.00000	0.00000	0.00371	1	62	-20.00000	-39.00000	99.75000
0.00000	0.00000	0.00354	1	63	-19.00000	-39.00000	99.75000
0.00000	0.00000	0.00336	1	64	-18.00000	-39.00000	99.75000
0.00000	0.00000	0.00317	1	65	-17.00000	-39.00000	99.75000
0.00000	0.00000	0.00298	1	66	-16.00000	-39.00000	99.75000
0.00000	0.00000	0.00278	1	67	-15.00000	-39.00000	99.75000
0.00000	0.00000	0.00258	1	68	-14.00000	-39.00000	99.75000
0.00000	0.00000	0.00237	1	69	-13.00000	-39.00000	99.75000
0.00000	0.00000	0.00217	1	70	-12.00000	-39.00000	99.75000
0.00000	0.00000	0.00197	1	71	-11.00000	-39.00000	99.75000
0.00000	0.00000	0.00178	1	72	-10.00000	-39.00000	99.75000
				73	-9.00000	-39.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.00159	1	74	-8.00000	-39.00000	99.75000
0.00000	0.00000	0.00141	1	75	-7.00000	-39.00000	99.75000
0.00000	0.00000	0.00123	1	76	-6.00000	-39.00000	99.75000
0.00000	0.00000	0.00107	1	77	-5.00000	-39.00000	99.75000
0.00000	0.00000	0.00092	1	78	-4.00000	-39.00000	99.75000
0.00000	0.00000	0.00078	1	79	-3.00000	-39.00000	99.75000
0.00000	0.00000	0.00066	1	80	-2.00000	-39.00000	99.75000
0.00000	0.00000	0.00054	1	81	-1.00000	-39.00000	99.75000
0.00000	0.00000	0.00044	1	82	0.00000	-39.00000	99.75000
0.00000	0.00000	0.00036	1	83	-40.00000	-38.00000	99.75000
0.00000	0.00000	0.00422	1	84	-39.00000	-38.00000	99.75000
0.00000	0.00000	0.00439	1	85	-38.00000	-38.00000	99.75000
0.00000	0.00000	0.00454	1	86	-37.00000	-38.00000	99.75000
0.00000	0.00000	0.00467	1	87	-36.00000	-38.00000	99.75000
0.00000	0.00000	0.00480	1	88	-35.00000	-38.00000	99.75000
0.00000	0.00000	0.00490	1	89	-34.00000	-38.00000	99.75000
0.00000	0.00000	0.00499	1	90	-33.00000	-38.00000	99.75000
0.00000	0.00000	0.00506	1	91	-32.00000	-38.00000	99.75000
0.00000	0.00000	0.00512	1	92	-31.00000	-38.00000	99.75000
0.00000	0.00000	0.00515	1	93	-30.00000	-38.00000	99.75000
0.00000	0.00000	0.00516	1	94	-29.00000	-38.00000	99.75000
0.00000	0.00000	0.00515	1	95	-28.00000	-38.00000	99.75000
0.00000	0.00000	0.00512	1	96	-27.00000	-38.00000	99.75000
0.00000	0.00000	0.00507	1	97	-26.00000	-38.00000	99.75000
0.00000	0.00000	0.00499	1	98	-25.00000	-38.00000	99.75000
0.00000	0.00000	0.00490	1	99	-24.00000	-38.00000	99.75000
0.00000	0.00000	0.00478	1	100	-23.00000	-38.00000	99.75000
0.00000	0.00000	0.00465	1	101	-22.00000	-38.00000	99.75000
0.00000	0.00000	0.00449	1	102	-21.00000	-38.00000	99.75000
0.00000	0.00000	0.00432	1	103	-20.00000	-38.00000	99.75000
0.00000	0.00000	0.00414	1	104	-19.00000	-38.00000	99.75000
0.00000	0.00000	0.00394	1	105	-18.00000	-38.00000	99.75000
0.00000	0.00000	0.00373	1	106	-17.00000	-38.00000	99.75000
0.00000	0.00000	0.00351	1	107	-16.00000	-38.00000	99.75000
0.00000	0.00000	0.00328	1	108	-15.00000	-38.00000	99.75000
0.00000	0.00000	0.00305	1	109	-14.00000	-38.00000	99.75000
0.00000	0.00000	0.00281	1	110	-13.00000	-38.00000	99.75000
0.00000	0.00000	0.00257	1	111	-12.00000	-38.00000	99.75000
0.00000	0.00000	0.00234	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00211	1	112	-11.00000	-38.00000	99.75000
0.00000	0.00000	0.00188	1	113	-10.00000	-38.00000	99.75000
0.00000	0.00000	0.00166	1	114	-9.00000	-38.00000	99.75000
0.00000	0.00000	0.00145	1	115	-8.00000	-38.00000	99.75000
0.00000	0.00000	0.00125	1	116	-7.00000	-38.00000	99.75000
0.00000	0.00000	0.00107	1	117	-6.00000	-38.00000	99.75000
0.00000	0.00000	0.00089	1	118	-5.00000	-38.00000	99.75000
0.00000	0.00000	0.00073	1	119	-4.00000	-38.00000	99.75000
0.00000	0.00000	0.00059	1	120	-3.00000	-38.00000	99.75000
0.00000	0.00000	0.00046	1	121	-2.00000	-38.00000	99.75000
0.00000	0.00000	0.00035	1	122	-1.00000	-38.00000	99.75000
0.00000	0.00000	0.00025	1	123	0.00000	-38.00000	99.75000
0.00000	0.00000	0.00477	1	124	-40.00000	-37.00000	99.75000
0.00000	0.00000	0.00495	1	125	-39.00000	-37.00000	99.75000
0.00000	0.00000	0.00512	1	126	-38.00000	-37.00000	99.75000
0.00000	0.00000	0.00527	1	127	-37.00000	-37.00000	99.75000
0.00000	0.00000	0.00541	1	128	-36.00000	-37.00000	99.75000
0.00000	0.00000	0.00553	1	129	-35.00000	-37.00000	99.75000
0.00000	0.00000	0.00563	1	130	-34.00000	-37.00000	99.75000
0.00000	0.00000	0.00571	1	131	-33.00000	-37.00000	99.75000
0.00000	0.00000	0.00577	1	132	-32.00000	-37.00000	99.75000
0.00000	0.00000	0.00580	1	133	-31.00000	-37.00000	99.75000
0.00000	0.00000	0.00581	1	134	-30.00000	-37.00000	99.75000
0.00000	0.00000	0.00580	1	135	-29.00000	-37.00000	99.75000
0.00000	0.00000	0.00576	1	136	-28.00000	-37.00000	99.75000
0.00000	0.00000	0.00570	1	137	-27.00000	-37.00000	99.75000
0.00000	0.00000	0.00561	1	138	-26.00000	-37.00000	99.75000
0.00000	0.00000	0.00550	1	139	-25.00000	-37.00000	99.75000
0.00000	0.00000	0.00536	1	140	-24.00000	-37.00000	99.75000
0.00000	0.00000	0.00521	1	141	-23.00000	-37.00000	99.75000
0.00000	0.00000	0.00503	1	142	-22.00000	-37.00000	99.75000
0.00000	0.00000	0.00483	1	143	-21.00000	-37.00000	99.75000
0.00000	0.00000	0.00461	1	144	-20.00000	-37.00000	99.75000
0.00000	0.00000	0.00438	1	145	-19.00000	-37.00000	99.75000
0.00000	0.00000	0.00413	1	146	-18.00000	-37.00000	99.75000
0.00000	0.00000	0.00388	1	147	-17.00000	-37.00000	99.75000
0.00000	0.00000	0.00361	1	148	-16.00000	-37.00000	99.75000
0.00000	0.00000	0.00334	1	149	-15.00000	-37.00000	99.75000
				150	-14.00000	-37.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Displacements: x	Displacements: y	Displacements: z	Set: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.00000	0.00307	1	151	-13.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00279	1	152	-12.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00252	1	153	-11.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00225	1	154	-10.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00199	1	155	-9.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00174	1	156	-8.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00150	1	157	-7.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00127	1	158	-6.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00105	1	159	-5.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00085	1	160	-4.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00067	1	161	-3.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00050	1	162	-2.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00036	1	163	-1.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00023	1	164	0.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00011	1	165	-40.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00537	1	166	-39.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00558	1	167	-38.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00577	1	168	-37.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00594	1	169	-36.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00610	1	170	-35.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00623	1	171	-34.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00635	1	172	-33.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00644	1	173	-32.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00650	1	174	-31.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00654	1	175	-30.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00655	1	176	-29.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00653	1	177	-28.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00649	1	178	-27.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00641	1	179	-26.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00631	1	180	-25.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00618	1	181	-24.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00602	1	182	-23.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00584	1	183	-22.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00563	1	184	-21.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00540	1	185	-20.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00514	1	186	-19.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00488	1	187	-18.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00459	1	188	-17.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00429	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	Coordinates: z
0.00000	0.00000	0.00399	1	189	-16.00000	-36.00000	99.75000
0.00000	0.00000	0.00367	1	190	-15.00000	-36.00000	99.75000
0.00000	0.00000	0.00335	1	191	-14.00000	-36.00000	99.75000
0.00000	0.00000	0.00304	1	192	-13.00000	-36.00000	99.75000
0.00000	0.00000	0.00272	1	193	-12.00000	-36.00000	99.75000
0.00000	0.00000	0.00241	1	194	-11.00000	-36.00000	99.75000
0.00000	0.00000	0.00211	1	195	-10.00000	-36.00000	99.75000
0.00000	0.00000	0.00181	1	196	-9.00000	-36.00000	99.75000
0.00000	0.00000	0.00154	1	197	-8.00000	-36.00000	99.75000
0.00000	0.00000	0.00127	1	198	-7.00000	-36.00000	99.75000
0.00000	0.00000	0.00102	1	199	-6.00000	-36.00000	99.75000
0.00000	0.00000	0.00080	1	200	-5.00000	-36.00000	99.75000
0.00000	0.00000	0.00059	1	201	-4.00000	-36.00000	99.75000
0.00000	0.00000	0.00040	1	202	-3.00000	-36.00000	99.75000
0.00000	0.00000	0.00023	1	203	-2.00000	-36.00000	99.75000
0.00000	0.00000	0.00008	1	204	-1.00000	-36.00000	99.75000
0.00000	0.00000	-0.00005	1	205	0.00000	-36.00000	99.75000
0.00000	0.00000	0.00605	1	206	-40.00000	-35.00000	99.75000
0.00000	0.00000	0.00628	1	207	-39.00000	-35.00000	99.75000
0.00000	0.00000	0.00649	1	208	-38.00000	-35.00000	99.75000
0.00000	0.00000	0.00669	1	209	-37.00000	-35.00000	99.75000
0.00000	0.00000	0.00687	1	210	-36.00000	-35.00000	99.75000
0.00000	0.00000	0.00702	1	211	-35.00000	-35.00000	99.75000
0.00000	0.00000	0.00715	1	212	-34.00000	-35.00000	99.75000
0.00000	0.00000	0.00725	1	213	-33.00000	-35.00000	99.75000
0.00000	0.00000	0.00733	1	214	-32.00000	-35.00000	99.75000
0.00000	0.00000	0.00737	1	215	-31.00000	-35.00000	99.75000
0.00000	0.00000	0.00738	1	216	-30.00000	-35.00000	99.75000
0.00000	0.00000	0.00736	1	217	-29.00000	-35.00000	99.75000
0.00000	0.00000	0.00730	1	218	-28.00000	-35.00000	99.75000
0.00000	0.00000	0.00722	1	219	-27.00000	-35.00000	99.75000
0.00000	0.00000	0.00710	1	220	-26.00000	-35.00000	99.75000
0.00000	0.00000	0.00694	1	221	-25.00000	-35.00000	99.75000
0.00000	0.00000	0.00676	1	222	-24.00000	-35.00000	99.75000
0.00000	0.00000	0.00655	1	223	-23.00000	-35.00000	99.75000
0.00000	0.00000	0.00630	1	224	-22.00000	-35.00000	99.75000
0.00000	0.00000	0.00604	1	225	-21.00000	-35.00000	99.75000
0.00000	0.00000	0.00574	1	226	-20.00000	-35.00000	99.75000
				227	-19.00000	-35.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:				Result: Coordinates:				
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	0.00543	1	228	-18.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00510	1	229	-17.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00476	1	230	-16.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00440	1	231	-15.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00404	1	232	-14.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00367	1	233	-13.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00330	1	234	-12.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00293	1	235	-11.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00258	1	236	-10.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00223	1	237	-9.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00189	1	238	-8.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00157	1	239	-7.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00126	1	240	-6.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00098	1	241	-5.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00072	1	242	-4.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00048	1	243	-3.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00026	1	244	-2.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.00007	1	245	-1.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	-0.00009	1	246	0.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	-0.00024	1	247	-40.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00680	1	248	-39.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00706	1	249	-38.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00731	1	250	-37.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00753	1	251	-36.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00773	1	252	-35.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00791	1	253	-34.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00806	1	254	-33.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00817	1	255	-32.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00826	1	256	-31.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00830	1	257	-30.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00832	1	258	-29.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00829	1	259	-28.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00823	1	260	-27.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00813	1	261	-26.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00799	1	262	-25.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00781	1	263	-24.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00760	1	264	-23.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00735	1	265	-22.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00707	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00676	1	266	-21.00000	-34.00000	99.75000
0.00000	0.00000	0.00642	1	267	-20.00000	-34.00000	99.75000
0.00000	0.00000	0.00606	1	268	-19.00000	-34.00000	99.75000
0.00000	0.00000	0.00568	1	269	-18.00000	-34.00000	99.75000
0.00000	0.00000	0.00528	1	270	-17.00000	-34.00000	99.75000
0.00000	0.00000	0.00486	1	271	-16.00000	-34.00000	99.75000
0.00000	0.00000	0.00444	1	272	-15.00000	-34.00000	99.75000
0.00000	0.00000	0.00402	1	273	-14.00000	-34.00000	99.75000
0.00000	0.00000	0.00359	1	274	-13.00000	-34.00000	99.75000
0.00000	0.00000	0.00317	1	275	-12.00000	-34.00000	99.75000
0.00000	0.00000	0.00275	1	276	-11.00000	-34.00000	99.75000
0.00000	0.00000	0.00235	1	277	-10.00000	-34.00000	99.75000
0.00000	0.00000	0.00196	1	278	-9.00000	-34.00000	99.75000
0.00000	0.00000	0.00159	1	279	-8.00000	-34.00000	99.75000
0.00000	0.00000	0.00124	1	280	-7.00000	-34.00000	99.75000
0.00000	0.00000	0.00092	1	281	-6.00000	-34.00000	99.75000
0.00000	0.00000	0.00062	1	282	-5.00000	-34.00000	99.75000
0.00000	0.00000	0.00035	1	283	-4.00000	-34.00000	99.75000
0.00000	0.00000	0.00010	1	284	-3.00000	-34.00000	99.75000
0.00000	0.00000	-0.00011	1	285	-2.00000	-34.00000	99.75000
0.00000	0.00000	-0.00030	1	286	-1.00000	-34.00000	99.75000
0.00000	0.00000	-0.00046	1	287	0.00000	-34.00000	99.75000
0.00000	0.00000	0.00763	1	288	-40.00000	-33.00000	99.75000
0.00000	0.00000	0.00793	1	289	-39.00000	-33.00000	99.75000
0.00000	0.00000	0.00821	1	290	-38.00000	-33.00000	99.75000
0.00000	0.00000	0.00847	1	291	-37.00000	-33.00000	99.75000
0.00000	0.00000	0.00870	1	292	-36.00000	-33.00000	99.75000
0.00000	0.00000	0.00890	1	293	-35.00000	-33.00000	99.75000
0.00000	0.00000	0.00907	1	294	-34.00000	-33.00000	99.75000
0.00000	0.00000	0.00921	1	295	-33.00000	-33.00000	99.75000
0.00000	0.00000	0.00930	1	296	-32.00000	-33.00000	99.75000
0.00000	0.00000	0.00936	1	297	-31.00000	-33.00000	99.75000
0.00000	0.00000	0.00937	1	298	-30.00000	-33.00000	99.75000
0.00000	0.00000	0.00935	1	299	-29.00000	-33.00000	99.75000
0.00000	0.00000	0.00927	1	300	-28.00000	-33.00000	99.75000
0.00000	0.00000	0.00916	1	301	-27.00000	-33.00000	99.75000
0.00000	0.00000	0.00900	1	302	-26.00000	-33.00000	99.75000
0.00000	0.00000	0.00879	1	303	-25.00000	-33.00000	99.75000
				304	-24.00000	-33.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.00855	305	-23.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00826	306	-22.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00794	307	-21.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00758	308	-20.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00718	309	-19.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00677	310	-18.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00632	311	-17.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00586	312	-16.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00538	313	-15.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00489	314	-14.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00440	315	-13.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00391	316	-12.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00342	317	-11.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00294	318	-10.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00248	319	-9.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00203	320	-8.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00161	321	-7.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00121	322	-6.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00084	323	-5.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00049	324	-4.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00018	325	-3.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00009	326	-2.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00034	327	-1.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00055	328	0.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00073	329	-40.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.00857	330	-39.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.00891	331	-38.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.00923	332	-37.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.00952	333	-36.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.00979	334	-35.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01002	335	-34.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01022	336	-33.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01037	337	-32.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01049	338	-31.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01055	339	-30.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01057	340	-29.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01054	341	-28.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01046	342	-27.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.01032				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.01014	1	343	-26.00000	-32.00000	99.75000
0.00000	0.00000	0.00991	1	344	-25.00000	-32.00000	99.75000
0.00000	0.00000	0.00962	1	345	-24.00000	-32.00000	99.75000
0.00000	0.00000	0.00929	1	346	-23.00000	-32.00000	99.75000
0.00000	0.00000	0.00892	1	347	-22.00000	-32.00000	99.75000
0.00000	0.00000	0.00850	1	348	-21.00000	-32.00000	99.75000
0.00000	0.00000	0.00805	1	349	-20.00000	-32.00000	99.75000
0.00000	0.00000	0.00756	1	350	-19.00000	-32.00000	99.75000
0.00000	0.00000	0.00705	1	351	-18.00000	-32.00000	99.75000
0.00000	0.00000	0.00652	1	352	-17.00000	-32.00000	99.75000
0.00000	0.00000	0.00596	1	353	-16.00000	-32.00000	99.75000
0.00000	0.00000	0.00540	1	354	-15.00000	-32.00000	99.75000
0.00000	0.00000	0.00483	1	355	-14.00000	-32.00000	99.75000
0.00000	0.00000	0.00426	1	356	-13.00000	-32.00000	99.75000
0.00000	0.00000	0.00369	1	357	-12.00000	-32.00000	99.75000
0.00000	0.00000	0.00314	1	358	-11.00000	-32.00000	99.75000
0.00000	0.00000	0.00261	1	359	-10.00000	-32.00000	99.75000
0.00000	0.00000	0.00209	1	360	-9.00000	-32.00000	99.75000
0.00000	0.00000	0.00161	1	361	-8.00000	-32.00000	99.75000
0.00000	0.00000	0.00115	1	362	-7.00000	-32.00000	99.75000
0.00000	0.00000	0.00072	1	363	-6.00000	-32.00000	99.75000
0.00000	0.00000	0.00033	1	364	-5.00000	-32.00000	99.75000
0.00000	0.00000	-0.00002	1	365	-4.00000	-32.00000	99.75000
0.00000	0.00000	-0.00033	1	366	-3.00000	-32.00000	99.75000
0.00000	0.00000	-0.00061	1	367	-2.00000	-32.00000	99.75000
0.00000	0.00000	-0.00085	1	368	-1.00000	-32.00000	99.75000
0.00000	0.00000	-0.00105	1	369	0.00000	-32.00000	99.75000
0.00000	0.00000	0.00961	1	370	-40.00000	-31.00000	99.75000
0.00000	0.00000	0.01000	1	371	-39.00000	-31.00000	99.75000
0.00000	0.00000	0.01037	1	372	-38.00000	-31.00000	99.75000
0.00000	0.00000	0.01071	1	373	-37.00000	-31.00000	99.75000
0.00000	0.00000	0.01101	1	374	-36.00000	-31.00000	99.75000
0.00000	0.00000	0.01128	1	375	-35.00000	-31.00000	99.75000
0.00000	0.00000	0.01151	1	376	-34.00000	-31.00000	99.75000
0.00000	0.00000	0.01169	1	377	-33.00000	-31.00000	99.75000
0.00000	0.00000	0.01183	1	378	-32.00000	-31.00000	99.75000
0.00000	0.00000	0.01190	1	379	-31.00000	-31.00000	99.75000
0.00000	0.00000	0.01193	1	380	-30.00000	-31.00000	99.75000
				381	-29.00000	-31.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:				
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:		
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	0.01190	1	382	-28.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01180	1	383	-27.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01165	1	384	-26.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01144	1	385	-25.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01117	1	386	-24.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01085	1	387	-23.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01047	1	388	-22.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01003	1	389	-21.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00955	1	390	-20.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00903	1	391	-19.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00847	1	392	-18.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00788	1	393	-17.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00726	1	394	-16.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00662	1	395	-15.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00596	1	396	-14.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00530	1	397	-13.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00464	1	398	-12.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00399	1	399	-11.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00336	1	400	-10.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00274	1	401	-9.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00215	1	402	-8.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00159	1	403	-7.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00106	1	404	-6.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00058	1	405	-5.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00013	1	406	-4.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00027	1	407	-3.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00062	1	408	-2.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00093	1	409	-1.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00120	1	410	0.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00142	1	411	-40.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01077	1	412	-39.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01122	1	413	-38.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01164	1	414	-37.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01203	1	415	-36.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01239	1	416	-35.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01270	1	417	-34.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01297	1	418	-33.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01319	1	419	-32.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01334	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.01344	420	-31.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01347	421	-30.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01344	422	-29.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01333	423	-28.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01316	424	-27.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01292	425	-26.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01262	426	-25.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01224	427	-24.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01180	428	-23.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01131	429	-22.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01075	430	-21.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01015	431	-20.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00950	432	-19.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00881	433	-18.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00810	434	-17.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00735	435	-16.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00660	436	-15.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00583	437	-14.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00507	438	-13.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00432	439	-12.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00358	440	-11.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00287	441	-10.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00219	442	-9.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00155	443	-8.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00095	444	-7.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.00039	445	-6.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	-0.00011	446	-5.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	-0.00057	447	-4.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	-0.00097	448	-3.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	-0.00131	449	-2.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	-0.00161	450	-1.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	-0.00185	451	0.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.01206	452	-40.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01258	453	-39.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01307	454	-38.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01353	455	-37.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01394	456	-36.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01431	457	-35.00000	-29.00000	99.75000
				458	-34.00000	-29.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.01462	1	459	-33.00000	-29.00000	99.75000
0.00000	0.00000	0.01488	1	460	-32.00000	-29.00000	99.75000
0.00000	0.00000	0.01506	1	461	-31.00000	-29.00000	99.75000
0.00000	0.00000	0.01518	1	462	-30.00000	-29.00000	99.75000
0.00000	0.00000	0.01523	1	463	-29.00000	-29.00000	99.75000
0.00000	0.00000	0.01519	1	464	-28.00000	-29.00000	99.75000
0.00000	0.00000	0.01508	1	465	-27.00000	-29.00000	99.75000
0.00000	0.00000	0.01489	1	466	-26.00000	-29.00000	99.75000
0.00000	0.00000	0.01462	1	467	-25.00000	-29.00000	99.75000
0.00000	0.00000	0.01427	1	468	-24.00000	-29.00000	99.75000
0.00000	0.00000	0.01384	1	469	-23.00000	-29.00000	99.75000
0.00000	0.00000	0.01333	1	470	-22.00000	-29.00000	99.75000
0.00000	0.00000	0.01276	1	471	-21.00000	-29.00000	99.75000
0.00000	0.00000	0.01212	1	472	-20.00000	-29.00000	99.75000
0.00000	0.00000	0.01142	1	473	-19.00000	-29.00000	99.75000
0.00000	0.00000	0.01067	1	474	-18.00000	-29.00000	99.75000
0.00000	0.00000	0.00988	1	475	-17.00000	-29.00000	99.75000
0.00000	0.00000	0.00905	1	476	-16.00000	-29.00000	99.75000
0.00000	0.00000	0.00819	1	477	-15.00000	-29.00000	99.75000
0.00000	0.00000	0.00731	1	478	-14.00000	-29.00000	99.75000
0.00000	0.00000	0.00643	1	479	-13.00000	-29.00000	99.75000
0.00000	0.00000	0.00555	1	480	-12.00000	-29.00000	99.75000
0.00000	0.00000	0.00467	1	481	-11.00000	-29.00000	99.75000
0.00000	0.00000	0.00382	1	482	-10.00000	-29.00000	99.75000
0.00000	0.00000	0.00300	1	483	-9.00000	-29.00000	99.75000
0.00000	0.00000	0.00222	1	484	-8.00000	-29.00000	99.75000
0.00000	0.00000	0.00148	1	485	-7.00000	-29.00000	99.75000
0.00000	0.00000	0.00079	1	486	-6.00000	-29.00000	99.75000
0.00000	0.00000	0.00016	1	487	-5.00000	-29.00000	99.75000
0.00000	0.00000	-0.00042	1	488	-4.00000	-29.00000	99.75000
0.00000	0.00000	-0.00093	1	489	-3.00000	-29.00000	99.75000
0.00000	0.00000	-0.00138	1	490	-2.00000	-29.00000	99.75000
0.00000	0.00000	-0.00177	1	491	-1.00000	-29.00000	99.75000
0.00000	0.00000	-0.00210	1	492	0.00000	-29.00000	99.75000
0.00000	0.00000	-0.00236	1	493	-40.00000	-28.00000	99.75000
0.00000	0.00000	0.01350	1	494	-39.00000	-28.00000	99.75000
0.00000	0.00000	0.01411	1	495	-38.00000	-28.00000	99.75000
0.00000	0.00000	0.01468	1	496	-37.00000	-28.00000	99.75000
0.00000	0.00000	0.01521	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.01570	1	497	-36.00000	-28.00000	99.75000
0.00000	0.00000	0.01613	1	498	-35.00000	-28.00000	99.75000
0.00000	0.00000	0.01650	1	499	-34.00000	-28.00000	99.75000
0.00000	0.00000	0.01680	1	500	-33.00000	-28.00000	99.75000
0.00000	0.00000	0.01702	1	501	-32.00000	-28.00000	99.75000
0.00000	0.00000	0.01717	1	502	-31.00000	-28.00000	99.75000
0.00000	0.00000	0.01723	1	503	-30.00000	-28.00000	99.75000
0.00000	0.00000	0.01720	1	504	-29.00000	-28.00000	99.75000
0.00000	0.00000	0.01708	1	505	-28.00000	-28.00000	99.75000
0.00000	0.00000	0.01686	1	506	-27.00000	-28.00000	99.75000
0.00000	0.00000	0.01656	1	507	-26.00000	-28.00000	99.75000
0.00000	0.00000	0.01616	1	508	-25.00000	-28.00000	99.75000
0.00000	0.00000	0.01567	1	509	-24.00000	-28.00000	99.75000
0.00000	0.00000	0.01509	1	510	-23.00000	-28.00000	99.75000
0.00000	0.00000	0.01443	1	511	-22.00000	-28.00000	99.75000
0.00000	0.00000	0.01369	1	512	-21.00000	-28.00000	99.75000
0.00000	0.00000	0.01289	1	513	-20.00000	-28.00000	99.75000
0.00000	0.00000	0.01202	1	514	-19.00000	-28.00000	99.75000
0.00000	0.00000	0.01110	1	515	-18.00000	-28.00000	99.75000
0.00000	0.00000	0.01013	1	516	-17.00000	-28.00000	99.75000
0.00000	0.00000	0.00914	1	517	-16.00000	-28.00000	99.75000
0.00000	0.00000	0.00812	1	518	-15.00000	-28.00000	99.75000
0.00000	0.00000	0.00710	1	519	-14.00000	-28.00000	99.75000
0.00000	0.00000	0.00607	1	520	-13.00000	-28.00000	99.75000
0.00000	0.00000	0.00506	1	521	-12.00000	-28.00000	99.75000
0.00000	0.00000	0.00408	1	522	-11.00000	-28.00000	99.75000
0.00000	0.00000	0.00313	1	523	-10.00000	-28.00000	99.75000
0.00000	0.00000	0.00223	1	524	-9.00000	-28.00000	99.75000
0.00000	0.00000	0.00138	1	525	-8.00000	-28.00000	99.75000
0.00000	0.00000	0.00059	1	526	-7.00000	-28.00000	99.75000
0.00000	0.00000	-0.00014	1	527	-6.00000	-28.00000	99.75000
0.00000	0.00000	-0.00079	1	528	-5.00000	-28.00000	99.75000
0.00000	0.00000	-0.00137	1	529	-4.00000	-28.00000	99.75000
0.00000	0.00000	-0.00188	1	530	-3.00000	-28.00000	99.75000
0.00000	0.00000	-0.00231	1	531	-2.00000	-28.00000	99.75000
0.00000	0.00000	-0.00267	1	532	-1.00000	-28.00000	99.75000
0.00000	0.00000	-0.00297	1	533	0.00000	-28.00000	99.75000
0.00000	0.00000	0.01512	1	534	-40.00000	-27.00000	99.75000
				535	-39.00000	-27.00000	99.75000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.01582	1	536	-38.00000	-27.00000	99.75000
0.00000	0.00000	0.01648	1	537	-37.00000	-27.00000	99.75000
0.00000	0.00000	0.01711	1	538	-36.00000	-27.00000	99.75000
0.00000	0.00000	0.01768	1	539	-35.00000	-27.00000	99.75000
0.00000	0.00000	0.01819	1	540	-34.00000	-27.00000	99.75000
0.00000	0.00000	0.01862	1	541	-33.00000	-27.00000	99.75000
0.00000	0.00000	0.01899	1	542	-32.00000	-27.00000	99.75000
0.00000	0.00000	0.01926	1	543	-31.00000	-27.00000	99.75000
0.00000	0.00000	0.01944	1	544	-30.00000	-27.00000	99.75000
0.00000	0.00000	0.01952	1	545	-29.00000	-27.00000	99.75000
0.00000	0.00000	0.01950	1	546	-28.00000	-27.00000	99.75000
0.00000	0.00000	0.01937	1	547	-27.00000	-27.00000	99.75000
0.00000	0.00000	0.01913	1	548	-26.00000	-27.00000	99.75000
0.00000	0.00000	0.01878	1	549	-25.00000	-27.00000	99.75000
0.00000	0.00000	0.01833	1	550	-24.00000	-27.00000	99.75000
0.00000	0.00000	0.01777	1	551	-23.00000	-27.00000	99.75000
0.00000	0.00000	0.01711	1	552	-22.00000	-27.00000	99.75000
0.00000	0.00000	0.01635	1	553	-21.00000	-27.00000	99.75000
0.00000	0.00000	0.01550	1	554	-20.00000	-27.00000	99.75000
0.00000	0.00000	0.01456	1	555	-19.00000	-27.00000	99.75000
0.00000	0.00000	0.01356	1	556	-18.00000	-27.00000	99.75000
0.00000	0.00000	0.01249	1	557	-17.00000	-27.00000	99.75000
0.00000	0.00000	0.01137	1	558	-16.00000	-27.00000	99.75000
0.00000	0.00000	0.01022	1	559	-15.00000	-27.00000	99.75000
0.00000	0.00000	0.00904	1	560	-14.00000	-27.00000	99.75000
0.00000	0.00000	0.00785	1	561	-13.00000	-27.00000	99.75000
0.00000	0.00000	0.00666	1	562	-12.00000	-27.00000	99.75000
0.00000	0.00000	0.00549	1	563	-11.00000	-27.00000	99.75000
0.00000	0.00000	0.00435	1	564	-10.00000	-27.00000	99.75000
0.00000	0.00000	0.00325	1	565	-9.00000	-27.00000	99.75000
0.00000	0.00000	0.00221	1	566	-8.00000	-27.00000	99.75000
0.00000	0.00000	0.00123	1	567	-7.00000	-27.00000	99.75000
0.00000	0.00000	0.00032	1	568	-6.00000	-27.00000	99.75000
0.00000	0.00000	-0.00050	1	569	-5.00000	-27.00000	99.75000
0.00000	0.00000	-0.00125	1	570	-4.00000	-27.00000	99.75000
0.00000	0.00000	-0.00190	1	571	-3.00000	-27.00000	99.75000
0.00000	0.00000	-0.00247	1	572	-2.00000	-27.00000	99.75000
0.00000	0.00000	-0.00296	1	573	-1.00000	-27.00000	99.75000
0.00000	0.00000	-0.00335	1				



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.00367	1	574	0.00000	-27.00000	99.75000
0.00000	0.00000	0.01693	1	575	-40.00000	-26.00000	99.75000
0.00000	0.00000	0.01774	1	576	-39.00000	-26.00000	99.75000
0.00000	0.00000	0.01852	1	577	-38.00000	-26.00000	99.75000
0.00000	0.00000	0.01925	1	578	-37.00000	-26.00000	99.75000
0.00000	0.00000	0.01992	1	579	-36.00000	-26.00000	99.75000
0.00000	0.00000	0.02052	1	580	-35.00000	-26.00000	99.75000
0.00000	0.00000	0.02105	1	581	-34.00000	-26.00000	99.75000
0.00000	0.00000	0.02148	1	582	-33.00000	-26.00000	99.75000
0.00000	0.00000	0.02181	1	583	-32.00000	-26.00000	99.75000
0.00000	0.00000	0.02204	1	584	-31.00000	-26.00000	99.75000
0.00000	0.00000	0.02215	1	585	-30.00000	-26.00000	99.75000
0.00000	0.00000	0.02214	1	586	-29.00000	-26.00000	99.75000
0.00000	0.00000	0.02200	1	587	-28.00000	-26.00000	99.75000
0.00000	0.00000	0.02174	1	588	-27.00000	-26.00000	99.75000
0.00000	0.00000	0.02135	1	589	-26.00000	-26.00000	99.75000
0.00000	0.00000	0.02083	1	590	-25.00000	-26.00000	99.75000
0.00000	0.00000	0.02019	1	591	-24.00000	-26.00000	99.75000
0.00000	0.00000	0.01943	1	592	-23.00000	-26.00000	99.75000
0.00000	0.00000	0.01856	1	593	-22.00000	-26.00000	99.75000
0.00000	0.00000	0.01758	1	594	-21.00000	-26.00000	99.75000
0.00000	0.00000	0.01650	1	595	-20.00000	-26.00000	99.75000
0.00000	0.00000	0.01534	1	596	-19.00000	-26.00000	99.75000
0.00000	0.00000	0.01410	1	597	-18.00000	-26.00000	99.75000
0.00000	0.00000	0.01280	1	598	-17.00000	-26.00000	99.75000
0.00000	0.00000	0.01146	1	599	-16.00000	-26.00000	99.75000
0.00000	0.00000	0.01008	1	600	-15.00000	-26.00000	99.75000
0.00000	0.00000	0.00870	1	601	-14.00000	-26.00000	99.75000
0.00000	0.00000	0.00732	1	602	-13.00000	-26.00000	99.75000
0.00000	0.00000	0.00596	1	603	-12.00000	-26.00000	99.75000
0.00000	0.00000	0.00463	1	604	-11.00000	-26.00000	99.75000
0.00000	0.00000	0.00336	1	605	-10.00000	-26.00000	99.75000
0.00000	0.00000	0.00216	1	606	-9.00000	-26.00000	99.75000
0.00000	0.00000	0.00103	1	607	-8.00000	-26.00000	99.75000
0.00000	0.00000	-0.00001	1	608	-7.00000	-26.00000	99.75000
0.00000	0.00000	-0.00096	1	609	-6.00000	-26.00000	99.75000
0.00000	0.00000	-0.00180	1	610	-5.00000	-26.00000	99.75000
0.00000	0.00000	-0.00255	1	611	-4.00000	-26.00000	99.75000
				612	-3.00000	-26.00000	99.75000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Set: Displacements: Name	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	-0.00318	1	613	-2.00000	-26.00000	99.75000
0.00000	0.00000	-0.00372	1	614	-1.00000	-26.00000	99.75000
0.00000	0.00000	-0.00416	1	615	0.00000	-26.00000	99.75000
0.00000	0.00000	-0.00450	1	616	-40.00000	-25.00000	99.75000
0.00000	0.00000	0.01895	1	617	-39.00000	-25.00000	99.75000
0.00000	0.00000	0.01990	1	618	-38.00000	-25.00000	99.75000
0.00000	0.00000	0.02081	1	619	-37.00000	-25.00000	99.75000
0.00000	0.00000	0.02167	1	620	-36.00000	-25.00000	99.75000
0.00000	0.00000	0.02247	1	621	-35.00000	-25.00000	99.75000
0.00000	0.00000	0.02319	1	622	-34.00000	-25.00000	99.75000
0.00000	0.00000	0.02381	1	623	-33.00000	-25.00000	99.75000
0.00000	0.00000	0.02434	1	624	-32.00000	-25.00000	99.75000
0.00000	0.00000	0.02474	1	625	-31.00000	-25.00000	99.75000
0.00000	0.00000	0.02502	1	626	-30.00000	-25.00000	99.75000
0.00000	0.00000	0.02517	1	627	-29.00000	-25.00000	99.75000
0.00000	0.00000	0.02518	1	628	-28.00000	-25.00000	99.75000
0.00000	0.00000	0.02504	1	629	-27.00000	-25.00000	99.75000
0.00000	0.00000	0.02475	1	630	-26.00000	-25.00000	99.75000
0.00000	0.00000	0.02431	1	631	-25.00000	-25.00000	99.75000
0.00000	0.00000	0.02373	1	632	-24.00000	-25.00000	99.75000
0.00000	0.00000	0.02300	1	633	-23.00000	-25.00000	99.75000
0.00000	0.00000	0.02213	1	634	-22.00000	-25.00000	99.75000
0.00000	0.00000	0.02112	1	635	-21.00000	-25.00000	99.75000
0.00000	0.00000	0.01999	1	636	-20.00000	-25.00000	99.75000
0.00000	0.00000	0.01874	1	637	-19.00000	-25.00000	99.75000
0.00000	0.00000	0.01739	1	638	-18.00000	-25.00000	99.75000
0.00000	0.00000	0.01595	1	639	-17.00000	-25.00000	99.75000
0.00000	0.00000	0.01444	1	640	-16.00000	-25.00000	99.75000
0.00000	0.00000	0.01288	1	641	-15.00000	-25.00000	99.75000
0.00000	0.00000	0.01128	1	642	-14.00000	-25.00000	99.75000
0.00000	0.00000	0.00967	1	643	-13.00000	-25.00000	99.75000
0.00000	0.00000	0.00806	1	644	-12.00000	-25.00000	99.75000
0.00000	0.00000	0.00647	1	645	-11.00000	-25.00000	99.75000
0.00000	0.00000	0.00493	1	646	-10.00000	-25.00000	99.75000
0.00000	0.00000	0.00346	1	647	-9.00000	-25.00000	99.75000
0.00000	0.00000	0.00206	1	648	-8.00000	-25.00000	99.75000
0.00000	0.00000	0.00076	1	649	-7.00000	-25.00000	99.75000
0.00000	0.00000	-0.00044	1	650	-6.00000	-25.00000	99.75000
0.00000	0.00000	-0.00152	1				



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Set: Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	z
0.00000	0.00000	-0.00248	1	651	-5.00000	-25.00000	99.75000
0.00000	0.00000	-0.00332	1	652	-4.00000	-25.00000	99.75000
0.00000	0.00000	-0.00403	1	653	-3.00000	-25.00000	99.75000
0.00000	0.00000	-0.00463	1	654	-2.00000	-25.00000	99.75000
0.00000	0.00000	-0.00510	1	655	-1.00000	-25.00000	99.75000
0.00000	0.00000	-0.00546	1	656	0.00000	-25.00000	99.75000
0.00000	0.00000	0.02122	1	657	-40.00000	-24.00000	99.75000
0.00000	0.00000	0.02233	1	658	-39.00000	-24.00000	99.75000
0.00000	0.00000	0.02340	1	659	-38.00000	-24.00000	99.75000
0.00000	0.00000	0.02442	1	660	-37.00000	-24.00000	99.75000
0.00000	0.00000	0.02536	1	661	-36.00000	-24.00000	99.75000
0.00000	0.00000	0.02622	1	662	-35.00000	-24.00000	99.75000
0.00000	0.00000	0.02698	1	663	-34.00000	-24.00000	99.75000
0.00000	0.00000	0.02761	1	664	-33.00000	-24.00000	99.75000
0.00000	0.00000	0.02811	1	665	-32.00000	-24.00000	99.75000
0.00000	0.00000	0.02847	1	666	-31.00000	-24.00000	99.75000
0.00000	0.00000	0.02866	1	667	-30.00000	-24.00000	99.75000
0.00000	0.00000	0.02869	1	668	-29.00000	-24.00000	99.75000
0.00000	0.00000	0.02855	1	669	-28.00000	-24.00000	99.75000
0.00000	0.00000	0.02824	1	670	-27.00000	-24.00000	99.75000
0.00000	0.00000	0.02775	1	671	-26.00000	-24.00000	99.75000
0.00000	0.00000	0.02709	1	672	-25.00000	-24.00000	99.75000
0.00000	0.00000	0.02625	1	673	-24.00000	-24.00000	99.75000
0.00000	0.00000	0.02526	1	674	-23.00000	-24.00000	99.75000
0.00000	0.00000	0.02410	1	675	-22.00000	-24.00000	99.75000
0.00000	0.00000	0.02279	1	676	-21.00000	-24.00000	99.75000
0.00000	0.00000	0.02135	1	677	-20.00000	-24.00000	99.75000
0.00000	0.00000	0.01978	1	678	-19.00000	-24.00000	99.75000
0.00000	0.00000	0.01811	1	679	-18.00000	-24.00000	99.75000
0.00000	0.00000	0.01635	1	680	-17.00000	-24.00000	99.75000
0.00000	0.00000	0.01453	1	681	-16.00000	-24.00000	99.75000
0.00000	0.00000	0.01266	1	682	-15.00000	-24.00000	99.75000
0.00000	0.00000	0.01077	1	683	-14.00000	-24.00000	99.75000
0.00000	0.00000	0.00889	1	684	-13.00000	-24.00000	99.75000
0.00000	0.00000	0.00704	1	685	-12.00000	-24.00000	99.75000
0.00000	0.00000	0.00525	1	686	-11.00000	-24.00000	99.75000
0.00000	0.00000	0.00353	1	687	-10.00000	-24.00000	99.75000
0.00000	0.00000	0.00191	1	688	-9.00000	-24.00000	99.75000
0.00000	0.00000			689	-8.00000	-24.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.00040	1	690	-7.00000	-24.00000	99.75000
0.00000	0.00000	-0.00097	1	691	-6.00000	-24.00000	99.75000
0.00000	0.00000	-0.00221	1	692	-5.00000	-24.00000	99.75000
0.00000	0.00000	-0.00331	1	693	-4.00000	-24.00000	99.75000
0.00000	0.00000	-0.00425	1	694	-3.00000	-24.00000	99.75000
0.00000	0.00000	-0.00505	1	695	-2.00000	-24.00000	99.75000
0.00000	0.00000	-0.00570	1	696	-1.00000	-24.00000	99.75000
0.00000	0.00000	-0.00622	1	697	0.00000	-24.00000	99.75000
0.00000	0.00000	-0.00660	1	698	-40.00000	-23.00000	99.75000
0.00000	0.00000	0.02376	1	699	-39.00000	-23.00000	99.75000
0.00000	0.00000	0.02506	1	700	-38.00000	-23.00000	99.75000
0.00000	0.00000	0.02633	1	701	-37.00000	-23.00000	99.75000
0.00000	0.00000	0.02754	1	702	-36.00000	-23.00000	99.75000
0.00000	0.00000	0.02867	1	703	-35.00000	-23.00000	99.75000
0.00000	0.00000	0.02970	1	704	-34.00000	-23.00000	99.75000
0.00000	0.00000	0.03061	1	705	-33.00000	-23.00000	99.75000
0.00000	0.00000	0.03138	1	706	-32.00000	-23.00000	99.75000
0.00000	0.00000	0.03200	1	707	-31.00000	-23.00000	99.75000
0.00000	0.00000	0.03244	1	708	-30.00000	-23.00000	99.75000
0.00000	0.00000	0.03270	1	709	-29.00000	-23.00000	99.75000
0.00000	0.00000	0.03277	1	710	-28.00000	-23.00000	99.75000
0.00000	0.00000	0.03264	1	711	-27.00000	-23.00000	99.75000
0.00000	0.00000	0.03230	1	712	-26.00000	-23.00000	99.75000
0.00000	0.00000	0.03175	1	713	-25.00000	-23.00000	99.75000
0.00000	0.00000	0.03100	1	714	-24.00000	-23.00000	99.75000
0.00000	0.00000	0.03005	1	715	-23.00000	-23.00000	99.75000
0.00000	0.00000	0.02891	1	716	-22.00000	-23.00000	99.75000
0.00000	0.00000	0.02758	1	717	-21.00000	-23.00000	99.75000
0.00000	0.00000	0.02607	1	718	-20.00000	-23.00000	99.75000
0.00000	0.00000	0.02440	1	719	-19.00000	-23.00000	99.75000
0.00000	0.00000	0.02258	1	720	-18.00000	-23.00000	99.75000
0.00000	0.00000	0.02063	1	721	-17.00000	-23.00000	99.75000
0.00000	0.00000	0.01857	1	722	-16.00000	-23.00000	99.75000
0.00000	0.00000	0.01644	1	723	-15.00000	-23.00000	99.75000
0.00000	0.00000	0.01426	1	724	-14.00000	-23.00000	99.75000
0.00000	0.00000	0.01205	1	725	-13.00000	-23.00000	99.75000
0.00000	0.00000	0.00984	1	726	-12.00000	-23.00000	99.75000
0.00000	0.00000	0.00768	1	727	-11.00000	-23.00000	99.75000
0.00000	0.00000	0.00558	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	0.00358	728	-10.00000	-23.00000	99.75000
0.00000	0.00000	0.00169	729	-9.00000	-23.00000	99.75000
0.00000	0.00000	-0.00006	730	-8.00000	-23.00000	99.75000
0.00000	0.00000	-0.00165	731	-7.00000	-23.00000	99.75000
0.00000	0.00000	-0.00307	732	-6.00000	-23.00000	99.75000
0.00000	0.00000	-0.00431	733	-5.00000	-23.00000	99.75000
0.00000	0.00000	-0.00538	734	-4.00000	-23.00000	99.75000
0.00000	0.00000	-0.00626	735	-3.00000	-23.00000	99.75000
0.00000	0.00000	-0.00698	736	-2.00000	-23.00000	99.75000
0.00000	0.00000	-0.00753	737	-1.00000	-23.00000	99.75000
0.00000	0.00000	-0.00793	738	0.00000	-23.00000	99.75000
0.00000	0.00000	0.02661	739	-40.00000	-22.00000	99.75000
0.00000	0.00000	0.02815	740	-39.00000	-22.00000	99.75000
0.00000	0.00000	0.02965	741	-38.00000	-22.00000	99.75000
0.00000	0.00000	0.03109	742	-37.00000	-22.00000	99.75000
0.00000	0.00000	0.03245	743	-36.00000	-22.00000	99.75000
0.00000	0.00000	0.03369	744	-35.00000	-22.00000	99.75000
0.00000	0.00000	0.03480	745	-34.00000	-22.00000	99.75000
0.00000	0.00000	0.03574	746	-33.00000	-22.00000	99.75000
0.00000	0.00000	0.03650	747	-32.00000	-22.00000	99.75000
0.00000	0.00000	0.03706	748	-31.00000	-22.00000	99.75000
0.00000	0.00000	0.03740	749	-30.00000	-22.00000	99.75000
0.00000	0.00000	0.03752	750	-29.00000	-22.00000	99.75000
0.00000	0.00000	0.03740	751	-28.00000	-22.00000	99.75000
0.00000	0.00000	0.03703	752	-27.00000	-22.00000	99.75000
0.00000	0.00000	0.03643	753	-26.00000	-22.00000	99.75000
0.00000	0.00000	0.03558	754	-25.00000	-22.00000	99.75000
0.00000	0.00000	0.03450	755	-24.00000	-22.00000	99.75000
0.00000	0.00000	0.03319	756	-23.00000	-22.00000	99.75000
0.00000	0.00000	0.03166	757	-22.00000	-22.00000	99.75000
0.00000	0.00000	0.02991	758	-21.00000	-22.00000	99.75000
0.00000	0.00000	0.02797	759	-20.00000	-22.00000	99.75000
0.00000	0.00000	0.02586	760	-19.00000	-22.00000	99.75000
0.00000	0.00000	0.02359	761	-18.00000	-22.00000	99.75000
0.00000	0.00000	0.02118	762	-17.00000	-22.00000	99.75000
0.00000	0.00000	0.01868	763	-16.00000	-22.00000	99.75000
0.00000	0.00000	0.01612	764	-15.00000	-22.00000	99.75000
0.00000	0.00000	0.01352	765	-14.00000	-22.00000	99.75000
			766	-13.00000	-22.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.01093	1	767	-12.00000	-22.00000	99.75000
0.00000	0.00000	0.00839	1	768	-11.00000	-22.00000	99.75000
0.00000	0.00000	0.00593	1	769	-10.00000	-22.00000	99.75000
0.00000	0.00000	0.00358	1	770	-9.00000	-22.00000	99.75000
0.00000	0.00000	0.00138	1	771	-8.00000	-22.00000	99.75000
0.00000	0.00000	-0.00065	1	772	-7.00000	-22.00000	99.75000
0.00000	0.00000	-0.00249	1	773	-6.00000	-22.00000	99.75000
0.00000	0.00000	-0.00412	1	774	-5.00000	-22.00000	99.75000
0.00000	0.00000	-0.00553	1	775	-4.00000	-22.00000	99.75000
0.00000	0.00000	-0.00673	1	776	-3.00000	-22.00000	99.75000
0.00000	0.00000	-0.00772	1	777	-2.00000	-22.00000	99.75000
0.00000	0.00000	-0.00850	1	778	-1.00000	-22.00000	99.75000
0.00000	0.00000	-0.00909	1	779	0.00000	-22.00000	99.75000
0.00000	0.00000	-0.00950	1	780	-40.00000	-21.00000	99.75000
0.00000	0.00000	0.02982	1	781	-39.00000	-21.00000	99.75000
0.00000	0.00000	0.03164	1	782	-38.00000	-21.00000	99.75000
0.00000	0.00000	0.03343	1	783	-37.00000	-21.00000	99.75000
0.00000	0.00000	0.03515	1	784	-36.00000	-21.00000	99.75000
0.00000	0.00000	0.03679	1	785	-35.00000	-21.00000	99.75000
0.00000	0.00000	0.03829	1	786	-34.00000	-21.00000	99.75000
0.00000	0.00000	0.03964	1	787	-33.00000	-21.00000	99.75000
0.00000	0.00000	0.04080	1	788	-32.00000	-21.00000	99.75000
0.00000	0.00000	0.04174	1	789	-31.00000	-21.00000	99.75000
0.00000	0.00000	0.04245	1	790	-30.00000	-21.00000	99.75000
0.00000	0.00000	0.04290	1	791	-29.00000	-21.00000	99.75000
0.00000	0.00000	0.04307	1	792	-28.00000	-21.00000	99.75000
0.00000	0.00000	0.04297	1	793	-27.00000	-21.00000	99.75000
0.00000	0.00000	0.04258	1	794	-26.00000	-21.00000	99.75000
0.00000	0.00000	0.04192	1	795	-25.00000	-21.00000	99.75000
0.00000	0.00000	0.04096	1	796	-24.00000	-21.00000	99.75000
0.00000	0.00000	0.03973	1	797	-23.00000	-21.00000	99.75000
0.00000	0.00000	0.03823	1	798	-22.00000	-21.00000	99.75000
0.00000	0.00000	0.03647	1	799	-21.00000	-21.00000	99.75000
0.00000	0.00000	0.03445	1	800	-20.00000	-21.00000	99.75000
0.00000	0.00000	0.03220	1	801	-19.00000	-21.00000	99.75000
0.00000	0.00000	0.02974	1	802	-18.00000	-21.00000	99.75000
0.00000	0.00000	0.02708	1	803	-17.00000	-21.00000	99.75000
0.00000	0.00000	0.02427	1	804	-16.00000	-21.00000	99.75000
0.00000	0.00000	0.02133	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:				Result: Coordinates:				
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	0.01830	1	805	-15.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.01524	1	806	-14.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.01219	1	807	-13.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.00919	1	808	-12.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.00629	1	809	-11.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.00354	1	810	-10.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.00096	1	811	-9.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.00141	1	812	-8.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.00353	1	813	-7.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.00541	1	814	-6.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.00702	1	815	-5.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.00837	1	816	-4.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.00947	1	817	-3.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.01031	1	818	-2.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.01093	1	819	-1.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	-0.01133	1	820	0.00000	-21.00000	99.75000
0.00000	0.00000	0.00000	0.03343	1	821	-40.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.03559	1	822	-39.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.03773	1	823	-38.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.03981	1	824	-37.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04178	1	825	-36.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04362	1	826	-35.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04527	1	827	-34.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04670	1	828	-33.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04787	1	829	-32.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04876	1	830	-31.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04934	1	831	-30.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04960	1	832	-29.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04953	1	833	-28.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04913	1	834	-27.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04839	1	835	-26.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04732	1	836	-25.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04592	1	837	-24.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04420	1	838	-23.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.04217	1	839	-22.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.03984	1	840	-21.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.03723	1	841	-20.00000	-20.00000	99.75000
0.00000	0.00000	0.00000	0.03435	1	842	-19.00000	-20.00000	99.75000
					843	-18.00000	-20.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name	Ref.	x	y	z
0.00000	0.00000	0.03124	1			
0.00000	0.00000	0.02793	1	844	-17.00000	-20.00000
0.00000	0.00000	0.02447	1	845	-16.00000	-20.00000
0.00000	0.00000	0.02090	1	846	-15.00000	-20.00000
0.00000	0.00000	0.01727	1	847	-14.00000	-20.00000
0.00000	0.00000	0.01366	1	848	-13.00000	-20.00000
0.00000	0.00000	0.01010	1	849	-12.00000	-20.00000
0.00000	0.00000	0.00668	1	850	-11.00000	-20.00000
0.00000	0.00000	0.00342	1	851	-10.00000	-20.00000
0.00000	0.00000	0.00039	1	852	-9.00000	-20.00000
0.00000	0.00000	-0.00237	1	853	-8.00000	-20.00000
0.00000	0.00000	-0.00485	1	854	-7.00000	-20.00000
0.00000	0.00000	-0.00701	1	855	-6.00000	-20.00000
0.00000	0.00000	-0.00884	1	856	-5.00000	-20.00000
0.00000	0.00000	-0.01036	1	857	-4.00000	-20.00000
0.00000	0.00000	-0.01157	1	858	-3.00000	-20.00000
0.00000	0.00000	-0.01247	1	859	-2.00000	-20.00000
0.00000	0.00000	-0.01311	1	860	-1.00000	-20.00000
0.00000	0.00000	-0.01350	1	861	0.00000	-20.00000
0.00000	0.00000	0.03749	1	862	-40.00000	-19.00000
0.00000	0.00000	0.04007	1	863	-39.00000	-19.00000
0.00000	0.00000	0.04264	1	864	-38.00000	-19.00000
0.00000	0.00000	0.04515	1	865	-37.00000	-19.00000
0.00000	0.00000	0.04756	1	866	-36.00000	-19.00000
0.00000	0.00000	0.04980	1	867	-35.00000	-19.00000
0.00000	0.00000	0.05184	1	868	-34.00000	-19.00000
0.00000	0.00000	0.05361	1	869	-33.00000	-19.00000
0.00000	0.00000	0.05507	1	870	-32.00000	-19.00000
0.00000	0.00000	0.05620	1	871	-31.00000	-19.00000
0.00000	0.00000	0.05695	1	872	-30.00000	-19.00000
0.00000	0.00000	0.05732	1	873	-29.00000	-19.00000
0.00000	0.00000	0.05729	1	874	-28.00000	-19.00000
0.00000	0.00000	0.05687	1	875	-27.00000	-19.00000
0.00000	0.00000	0.05606	1	876	-26.00000	-19.00000
0.00000	0.00000	0.05485	1	877	-25.00000	-19.00000
0.00000	0.00000	0.05327	1	878	-24.00000	-19.00000
0.00000	0.00000	0.05130	1	879	-23.00000	-19.00000
0.00000	0.00000	0.04897	1	880	-22.00000	-19.00000
0.00000	0.00000	0.04628	1	881	-21.00000	-19.00000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.04325	1	882	-20.00000	-19.00000	99.75000
0.00000	0.00000	0.03989	1	883	-19.00000	-19.00000	99.75000
0.00000	0.00000	0.03624	1	884	-18.00000	-19.00000	99.75000
0.00000	0.00000	0.03234	1	885	-17.00000	-19.00000	99.75000
0.00000	0.00000	0.02824	1	886	-16.00000	-19.00000	99.75000
0.00000	0.00000	0.02400	1	887	-15.00000	-19.00000	99.75000
0.00000	0.00000	0.01969	1	888	-14.00000	-19.00000	99.75000
0.00000	0.00000	0.01538	1	889	-13.00000	-19.00000	99.75000
0.00000	0.00000	0.01116	1	890	-12.00000	-19.00000	99.75000
0.00000	0.00000	0.00708	1	891	-11.00000	-19.00000	99.75000
0.00000	0.00000	0.00322	1	892	-10.00000	-19.00000	99.75000
0.00000	0.00000	-0.00035	1	893	-9.00000	-19.00000	99.75000
0.00000	0.00000	-0.00360	1	894	-8.00000	-19.00000	99.75000
0.00000	0.00000	-0.00649	1	895	-7.00000	-19.00000	99.75000
0.00000	0.00000	-0.00898	1	896	-6.00000	-19.00000	99.75000
0.00000	0.00000	-0.01107	1	897	-5.00000	-19.00000	99.75000
0.00000	0.00000	-0.01278	1	898	-4.00000	-19.00000	99.75000
0.00000	0.00000	-0.01410	1	899	-3.00000	-19.00000	99.75000
0.00000	0.00000	-0.01506	1	900	-2.00000	-19.00000	99.75000
0.00000	0.00000	-0.01570	1	901	-1.00000	-19.00000	99.75000
0.00000	0.00000	-0.01604	1	902	0.00000	-19.00000	99.75000
0.00000	0.00000	0.04207	1	903	-40.00000	-18.00000	99.75000
0.00000	0.00000	0.04516	1	904	-39.00000	-18.00000	99.75000
0.00000	0.00000	0.04826	1	905	-38.00000	-18.00000	99.75000
0.00000	0.00000	0.05131	1	906	-37.00000	-18.00000	99.75000
0.00000	0.00000	0.05426	1	907	-36.00000	-18.00000	99.75000
0.00000	0.00000	0.05703	1	908	-35.00000	-18.00000	99.75000
0.00000	0.00000	0.05955	1	909	-34.00000	-18.00000	99.75000
0.00000	0.00000	0.06176	1	910	-33.00000	-18.00000	99.75000
0.00000	0.00000	0.06360	1	911	-32.00000	-18.00000	99.75000
0.00000	0.00000	0.06502	1	912	-31.00000	-18.00000	99.75000
0.00000	0.00000	0.06599	1	913	-30.00000	-18.00000	99.75000
0.00000	0.00000	0.06649	1	914	-29.00000	-18.00000	99.75000
0.00000	0.00000	0.06653	1	915	-28.00000	-18.00000	99.75000
0.00000	0.00000	0.06609	1	916	-27.00000	-18.00000	99.75000
0.00000	0.00000	0.06519	1	917	-26.00000	-18.00000	99.75000
0.00000	0.00000	0.06384	1	918	-25.00000	-18.00000	99.75000
0.00000	0.00000	0.06205	1	919	-24.00000	-18.00000	99.75000
				920	-23.00000	-18.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.05981	1	921	-22.00000	-18.00000	99.75000
0.00000	0.00000	0.05714	1	922	-21.00000	-18.00000	99.75000
0.00000	0.00000	0.05403	1	923	-20.00000	-18.00000	99.75000
0.00000	0.00000	0.05050	1	924	-19.00000	-18.00000	99.75000
0.00000	0.00000	0.04658	1	925	-18.00000	-18.00000	99.75000
0.00000	0.00000	0.04228	1	926	-17.00000	-18.00000	99.75000
0.00000	0.00000	0.03767	1	927	-16.00000	-18.00000	99.75000
0.00000	0.00000	0.03280	1	928	-15.00000	-18.00000	99.75000
0.00000	0.00000	0.02775	1	929	-14.00000	-18.00000	99.75000
0.00000	0.00000	0.02259	1	930	-13.00000	-18.00000	99.75000
0.00000	0.00000	0.01744	1	931	-12.00000	-18.00000	99.75000
0.00000	0.00000	0.01238	1	932	-11.00000	-18.00000	99.75000
0.00000	0.00000	0.00751	1	933	-10.00000	-18.00000	99.75000
0.00000	0.00000	0.00291	1	934	-9.00000	-18.00000	99.75000
0.00000	0.00000	-0.00134	1	935	-8.00000	-18.00000	99.75000
0.00000	0.00000	-0.00517	1	936	-7.00000	-18.00000	99.75000
0.00000	0.00000	-0.00854	1	937	-6.00000	-18.00000	99.75000
0.00000	0.00000	-0.01143	1	938	-5.00000	-18.00000	99.75000
0.00000	0.00000	-0.01382	1	939	-4.00000	-18.00000	99.75000
0.00000	0.00000	-0.01572	1	940	-3.00000	-18.00000	99.75000
0.00000	0.00000	-0.01715	1	941	-2.00000	-18.00000	99.75000
0.00000	0.00000	-0.01816	1	942	-1.00000	-18.00000	99.75000
0.00000	0.00000	-0.01877	1	943	0.00000	-18.00000	99.75000
0.00000	0.00000	-0.01904	1	944	-40.00000	-17.00000	99.75000
0.00000	0.00000	0.04723	1	945	-39.00000	-17.00000	99.75000
0.00000	0.00000	0.05094	1	946	-38.00000	-17.00000	99.75000
0.00000	0.00000	0.05471	1	947	-37.00000	-17.00000	99.75000
0.00000	0.00000	0.05845	1	948	-36.00000	-17.00000	99.75000
0.00000	0.00000	0.06208	1	949	-35.00000	-17.00000	99.75000
0.00000	0.00000	0.06552	1	950	-34.00000	-17.00000	99.75000
0.00000	0.00000	0.06867	1	951	-33.00000	-17.00000	99.75000
0.00000	0.00000	0.07144	1	952	-32.00000	-17.00000	99.75000
0.00000	0.00000	0.07376	1	953	-31.00000	-17.00000	99.75000
0.00000	0.00000	0.07555	1	954	-30.00000	-17.00000	99.75000
0.00000	0.00000	0.07680	1	955	-29.00000	-17.00000	99.75000
0.00000	0.00000	0.07748	1	956	-28.00000	-17.00000	99.75000
0.00000	0.00000	0.07758	1	957	-27.00000	-17.00000	99.75000
0.00000	0.00000	0.07714	1	958	-26.00000	-17.00000	99.75000
0.00000	0.00000	0.07615	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	Coordinates: z
0.00000	0.00000	0.07463	1	959	-25.00000	-17.00000	99.75000
0.00000	0.00000	0.07260	1	960	-24.00000	-17.00000	99.75000
0.00000	0.00000	0.07006	1	961	-23.00000	-17.00000	99.75000
0.00000	0.00000	0.06700	1	962	-22.00000	-17.00000	99.75000
0.00000	0.00000	0.06342	1	963	-21.00000	-17.00000	99.75000
0.00000	0.00000	0.05933	1	964	-20.00000	-17.00000	99.75000
0.00000	0.00000	0.05474	1	965	-19.00000	-17.00000	99.75000
0.00000	0.00000	0.04968	1	966	-18.00000	-17.00000	99.75000
0.00000	0.00000	0.04420	1	967	-17.00000	-17.00000	99.75000
0.00000	0.00000	0.03839	1	968	-16.00000	-17.00000	99.75000
0.00000	0.00000	0.03233	1	969	-15.00000	-17.00000	99.75000
0.00000	0.00000	0.02613	1	970	-14.00000	-17.00000	99.75000
0.00000	0.00000	0.01993	1	971	-13.00000	-17.00000	99.75000
0.00000	0.00000	0.01383	1	972	-12.00000	-17.00000	99.75000
0.00000	0.00000	0.00796	1	973	-11.00000	-17.00000	99.75000
0.00000	0.00000	0.00245	1	974	-10.00000	-17.00000	99.75000
0.00000	0.00000	-0.00262	1	975	-9.00000	-17.00000	99.75000
0.00000	0.00000	-0.00716	1	976	-8.00000	-17.00000	99.75000
0.00000	0.00000	-0.01113	1	977	-7.00000	-17.00000	99.75000
0.00000	0.00000	-0.01447	1	978	-6.00000	-17.00000	99.75000
0.00000	0.00000	-0.01720	1	979	-5.00000	-17.00000	99.75000
0.00000	0.00000	-0.01931	1	980	-4.00000	-17.00000	99.75000
0.00000	0.00000	-0.02086	1	981	-3.00000	-17.00000	99.75000
0.00000	0.00000	-0.02188	1	982	-2.00000	-17.00000	99.75000
0.00000	0.00000	-0.02243	1	983	-1.00000	-17.00000	99.75000
0.00000	0.00000	-0.02258	1	984	0.00000	-17.00000	99.75000
0.00000	0.00000	0.05304	1	985	-40.00000	-16.00000	99.75000
0.00000	0.00000	0.05754	1	986	-39.00000	-16.00000	99.75000
0.00000	0.00000	0.06213	1	987	-38.00000	-16.00000	99.75000
0.00000	0.00000	0.06674	1	988	-37.00000	-16.00000	99.75000
0.00000	0.00000	0.07126	1	989	-36.00000	-16.00000	99.75000
0.00000	0.00000	0.07557	1	990	-35.00000	-16.00000	99.75000
0.00000	0.00000	0.07954	1	991	-34.00000	-16.00000	99.75000
0.00000	0.00000	0.08304	1	992	-33.00000	-16.00000	99.75000
0.00000	0.00000	0.08597	1	993	-32.00000	-16.00000	99.75000
0.00000	0.00000	0.08826	1	994	-31.00000	-16.00000	99.75000
0.00000	0.00000	0.08985	1	995	-30.00000	-16.00000	99.75000
0.00000	0.00000	0.09073	1	996	-29.00000	-16.00000	99.75000
				997	-28.00000	-16.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:				
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	0.09092	1	998	-27.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.09046	1	999	-26.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.08936	1	1000	-25.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.08766	1	1001	-24.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.08538	1	1002	-23.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.08250	1	1003	-22.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.07902	1	1004	-21.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.07491	1	1005	-20.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.07017	1	1006	-19.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.06479	1	1007	-18.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.05881	1	1008	-17.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.05229	1	1009	-16.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.04531	1	1010	-15.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.03800	1	1011	-14.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.03050	1	1012	-13.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.02297	1	1013	-12.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.01557	1	1014	-11.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.00846	1	1015	-10.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.00180	1	1016	-9.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.00430	1	1017	-8.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.00972	1	1018	-7.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.01439	1	1019	-6.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.01828	1	1020	-5.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.02138	1	1021	-4.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.02373	1	1022	-3.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.02536	1	1023	-2.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.02636	1	1024	-1.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.02680	1	1025	0.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	-0.02677	1	1026	-40.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.05959	1	1027	-39.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.06505	1	1028	-38.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.07070	1	1029	-37.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.07643	1	1030	-36.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.08210	1	1031	-35.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.08756	1	1032	-34.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.09261	1	1033	-33.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.09708	1	1034	-32.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.10082	1	1035	-31.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.10373	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:	
Ref.		Name	Ref.	x	y	z	
x	y	z					
0.00000	0.00000	0.10574	1	1036	-30.00000	-15.00000	99.75000
0.00000	0.00000	0.10687	1	1037	-29.00000	-15.00000	99.75000
0.00000	0.00000	0.10715	1	1038	-28.00000	-15.00000	99.75000
0.00000	0.00000	0.10664	1	1039	-27.00000	-15.00000	99.75000
0.00000	0.00000	0.10541	1	1040	-26.00000	-15.00000	99.75000
0.00000	0.00000	0.10351	1	1041	-25.00000	-15.00000	99.75000
0.00000	0.00000	0.10095	1	1042	-24.00000	-15.00000	99.75000
0.00000	0.00000	0.09772	1	1043	-23.00000	-15.00000	99.75000
0.00000	0.00000	0.09379	1	1044	-22.00000	-15.00000	99.75000
0.00000	0.00000	0.08910	1	1045	-21.00000	-15.00000	99.75000
0.00000	0.00000	0.08361	1	1046	-20.00000	-15.00000	99.75000
0.00000	0.00000	0.07732	1	1047	-19.00000	-15.00000	99.75000
0.00000	0.00000	0.07024	1	1048	-18.00000	-15.00000	99.75000
0.00000	0.00000	0.06243	1	1049	-17.00000	-15.00000	99.75000
0.00000	0.00000	0.05401	1	1050	-16.00000	-15.00000	99.75000
0.00000	0.00000	0.04513	1	1051	-15.00000	-15.00000	99.75000
0.00000	0.00000	0.03598	1	1052	-14.00000	-15.00000	99.75000
0.00000	0.00000	0.02677	1	1053	-13.00000	-15.00000	99.75000
0.00000	0.00000	0.01771	1	1054	-12.00000	-15.00000	99.75000
0.00000	0.00000	0.00902	1	1055	-11.00000	-15.00000	99.75000
0.00000	0.00000	0.00090	1	1056	-10.00000	-15.00000	99.75000
0.00000	0.00000	-0.00648	1	1057	-9.00000	-15.00000	99.75000
0.00000	0.00000	-0.01299	1	1058	-8.00000	-15.00000	99.75000
0.00000	0.00000	-0.01854	1	1059	-7.00000	-15.00000	99.75000
0.00000	0.00000	-0.02307	1	1060	-6.00000	-15.00000	99.75000
0.00000	0.00000	-0.02660	1	1061	-5.00000	-15.00000	99.75000
0.00000	0.00000	-0.02917	1	1062	-4.00000	-15.00000	99.75000
0.00000	0.00000	-0.03086	1	1063	-3.00000	-15.00000	99.75000
0.00000	0.00000	-0.03177	1	1064	-2.00000	-15.00000	99.75000
0.00000	0.00000	-0.03202	1	1065	-1.00000	-15.00000	99.75000
0.00000	0.00000	-0.03172	1	1066	0.00000	-15.00000	99.75000
0.00000	0.00000	0.06695	1	1067	-40.00000	-14.00000	99.75000
0.00000	0.00000	0.07361	1	1068	-39.00000	-14.00000	99.75000
0.00000	0.00000	0.08060	1	1069	-38.00000	-14.00000	99.75000
0.00000	0.00000	0.08779	1	1070	-37.00000	-14.00000	99.75000
0.00000	0.00000	0.09499	1	1071	-36.00000	-14.00000	99.75000
0.00000	0.00000	0.10198	1	1072	-35.00000	-14.00000	99.75000
0.00000	0.00000	0.10849	1	1073	-34.00000	-14.00000	99.75000
				1074	-33.00000	-14.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.	x	y	Name	z			
0.00000	0.00000	0.11427	1	1075	-32.00000	-14.00000	99.75000
0.00000	0.00000	0.11909	1	1076	-31.00000	-14.00000	99.75000
0.00000	0.00000	0.12280	1	1077	-30.00000	-14.00000	99.75000
0.00000	0.00000	0.12534	1	1078	-29.00000	-14.00000	99.75000
0.00000	0.00000	0.12673	1	1079	-28.00000	-14.00000	99.75000
0.00000	0.00000	0.12707	1	1080	-27.00000	-14.00000	99.75000
0.00000	0.00000	0.12648	1	1081	-26.00000	-14.00000	99.75000
0.00000	0.00000	0.12507	1	1082	-25.00000	-14.00000	99.75000
0.00000	0.00000	0.12294	1	1083	-24.00000	-14.00000	99.75000
0.00000	0.00000	0.12010	1	1084	-23.00000	-14.00000	99.75000
0.00000	0.00000	0.11651	1	1085	-22.00000	-14.00000	99.75000
0.00000	0.00000	0.11212	1	1086	-21.00000	-14.00000	99.75000
0.00000	0.00000	0.10681	1	1087	-20.00000	-14.00000	99.75000
0.00000	0.00000	0.10051	1	1088	-19.00000	-14.00000	99.75000
0.00000	0.00000	0.09315	1	1089	-18.00000	-14.00000	99.75000
0.00000	0.00000	0.08474	1	1090	-17.00000	-14.00000	99.75000
0.00000	0.00000	0.07535	1	1091	-16.00000	-14.00000	99.75000
0.00000	0.00000	0.06511	1	1092	-15.00000	-14.00000	99.75000
0.00000	0.00000	0.05424	1	1093	-14.00000	-14.00000	99.75000
0.00000	0.00000	0.04297	1	1094	-13.00000	-14.00000	99.75000
0.00000	0.00000	0.03159	1	1095	-12.00000	-14.00000	99.75000
0.00000	0.00000	0.02040	1	1096	-11.00000	-14.00000	99.75000
0.00000	0.00000	0.00968	1	1097	-10.00000	-14.00000	99.75000
0.00000	0.00000	-0.00031	1	1098	-9.00000	-14.00000	99.75000
0.00000	0.00000	-0.00933	1	1099	-8.00000	-14.00000	99.75000
0.00000	0.00000	-0.01721	1	1100	-7.00000	-14.00000	99.75000
0.00000	0.00000	-0.02383	1	1101	-6.00000	-14.00000	99.75000
0.00000	0.00000	-0.02914	1	1102	-5.00000	-14.00000	99.75000
0.00000	0.00000	-0.03315	1	1103	-4.00000	-14.00000	99.75000
0.00000	0.00000	-0.03593	1	1104	-3.00000	-14.00000	99.75000
0.00000	0.00000	-0.03761	1	1105	-2.00000	-14.00000	99.75000
0.00000	0.00000	-0.03834	1	1106	-1.00000	-14.00000	99.75000
0.00000	0.00000	-0.03828	1	1107	0.00000	-14.00000	99.75000
0.00000	0.00000	-0.03758	1	1108	-40.00000	-13.00000	99.75000
0.00000	0.00000	0.07521	1	1109	-39.00000	-13.00000	99.75000
0.00000	0.00000	0.08337	1	1110	-38.00000	-13.00000	99.75000
0.00000	0.00000	0.09207	1	1111	-37.00000	-13.00000	99.75000
0.00000	0.00000	0.10117	1	1112	-36.00000	-13.00000	99.75000
0.00000	0.00000	0.11042	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.11950	1	1113	-35.00000	-13.00000	99.75000
0.00000	0.00000	0.12804	1	1114	-34.00000	-13.00000	99.75000
0.00000	0.00000	0.13562	1	1115	-33.00000	-13.00000	99.75000
0.00000	0.00000	0.14191	1	1116	-32.00000	-13.00000	99.75000
0.00000	0.00000	0.14668	1	1117	-31.00000	-13.00000	99.75000
0.00000	0.00000	0.14984	1	1118	-30.00000	-13.00000	99.75000
0.00000	0.00000	0.15148	1	1119	-29.00000	-13.00000	99.75000
0.00000	0.00000	0.15179	1	1120	-28.00000	-13.00000	99.75000
0.00000	0.00000	0.15102	1	1121	-27.00000	-13.00000	99.75000
0.00000	0.00000	0.14937	1	1122	-26.00000	-13.00000	99.75000
0.00000	0.00000	0.14696	1	1123	-25.00000	-13.00000	99.75000
0.00000	0.00000	0.14385	1	1124	-24.00000	-13.00000	99.75000
0.00000	0.00000	0.13995	1	1125	-23.00000	-13.00000	99.75000
0.00000	0.00000	0.13513	1	1126	-22.00000	-13.00000	99.75000
0.00000	0.00000	0.12922	1	1127	-21.00000	-13.00000	99.75000
0.00000	0.00000	0.12203	1	1128	-20.00000	-13.00000	99.75000
0.00000	0.00000	0.11345	1	1129	-19.00000	-13.00000	99.75000
0.00000	0.00000	0.10344	1	1130	-18.00000	-13.00000	99.75000
0.00000	0.00000	0.09207	1	1131	-17.00000	-13.00000	99.75000
0.00000	0.00000	0.07951	1	1132	-16.00000	-13.00000	99.75000
0.00000	0.00000	0.06605	1	1133	-15.00000	-13.00000	99.75000
0.00000	0.00000	0.05204	1	1134	-14.00000	-13.00000	99.75000
0.00000	0.00000	0.03785	1	1135	-13.00000	-13.00000	99.75000
0.00000	0.00000	0.02387	1	1136	-12.00000	-13.00000	99.75000
0.00000	0.00000	0.01050	1	1137	-11.00000	-13.00000	99.75000
0.00000	0.00000	-0.00191	1	1138	-10.00000	-13.00000	99.75000
0.00000	0.00000	-0.01306	1	1139	-9.00000	-13.00000	99.75000
0.00000	0.00000	-0.02269	1	1140	-8.00000	-13.00000	99.75000
0.00000	0.00000	-0.03065	1	1141	-7.00000	-13.00000	99.75000
0.00000	0.00000	-0.03688	1	1142	-6.00000	-13.00000	99.75000
0.00000	0.00000	-0.04141	1	1143	-5.00000	-13.00000	99.75000
0.00000	0.00000	-0.04437	1	1144	-4.00000	-13.00000	99.75000
0.00000	0.00000	-0.04593	1	1145	-3.00000	-13.00000	99.75000
0.00000	0.00000	-0.04633	1	1146	-2.00000	-13.00000	99.75000
0.00000	0.00000	-0.04579	1	1147	-1.00000	-13.00000	99.75000
0.00000	0.00000	-0.04452	1	1148	0.00000	-13.00000	99.75000
0.00000	0.00000	0.08440	1	1149	-40.00000	-12.00000	99.75000
0.00000	0.00000	0.09444	1	1150	-39.00000	-12.00000	99.75000
				1151	-38.00000	-12.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.10536	1	1152	-37.00000	-12.00000	99.75000
0.00000	0.00000	0.11699	1	1153	-36.00000	-12.00000	99.75000
0.00000	0.00000	0.12904	1	1154	-35.00000	-12.00000	99.75000
0.00000	0.00000	0.14106	1	1155	-34.00000	-12.00000	99.75000
0.00000	0.00000	0.15247	1	1156	-33.00000	-12.00000	99.75000
0.00000	0.00000	0.16263	1	1157	-32.00000	-12.00000	99.75000
0.00000	0.00000	0.17098	1	1158	-31.00000	-12.00000	99.75000
0.00000	0.00000	0.17713	1	1159	-30.00000	-12.00000	99.75000
0.00000	0.00000	0.18100	1	1160	-29.00000	-12.00000	99.75000
0.00000	0.00000	0.18280	1	1161	-28.00000	-12.00000	99.75000
0.00000	0.00000	0.18290	1	1162	-27.00000	-12.00000	99.75000
0.00000	0.00000	0.18173	1	1163	-26.00000	-12.00000	99.75000
0.00000	0.00000	0.17969	1	1164	-25.00000	-12.00000	99.75000
0.00000	0.00000	0.17698	1	1165	-24.00000	-12.00000	99.75000
0.00000	0.00000	0.17364	1	1166	-23.00000	-12.00000	99.75000
0.00000	0.00000	0.16954	1	1167	-22.00000	-12.00000	99.75000
0.00000	0.00000	0.16444	1	1168	-21.00000	-12.00000	99.75000
0.00000	0.00000	0.15800	1	1169	-20.00000	-12.00000	99.75000
0.00000	0.00000	0.14991	1	1170	-19.00000	-12.00000	99.75000
0.00000	0.00000	0.13994	1	1171	-18.00000	-12.00000	99.75000
0.00000	0.00000	0.12798	1	1172	-17.00000	-12.00000	99.75000
0.00000	0.00000	0.11410	1	1173	-16.00000	-12.00000	99.75000
0.00000	0.00000	0.09854	1	1174	-15.00000	-12.00000	99.75000
0.00000	0.00000	0.08170	1	1175	-14.00000	-12.00000	99.75000
0.00000	0.00000	0.06405	1	1176	-13.00000	-12.00000	99.75000
0.00000	0.00000	0.04614	1	1177	-12.00000	-12.00000	99.75000
0.00000	0.00000	0.02848	1	1178	-11.00000	-12.00000	99.75000
0.00000	0.00000	0.01161	1	1179	-10.00000	-12.00000	99.75000
0.00000	0.00000	-0.00401	1	1180	-9.00000	-12.00000	99.75000
0.00000	0.00000	-0.01795	1	1181	-8.00000	-12.00000	99.75000
0.00000	0.00000	-0.02986	1	1182	-7.00000	-12.00000	99.75000
0.00000	0.00000	-0.03952	1	1183	-6.00000	-12.00000	99.75000
0.00000	0.00000	-0.04686	1	1184	-5.00000	-12.00000	99.75000
0.00000	0.00000	-0.05194	1	1185	-4.00000	-12.00000	99.75000
0.00000	0.00000	-0.05497	1	1186	-3.00000	-12.00000	99.75000
0.00000	0.00000	-0.05624	1	1187	-2.00000	-12.00000	99.75000
0.00000	0.00000	-0.05608	1	1188	-1.00000	-12.00000	99.75000
0.00000	0.00000	-0.05482	1	1189	0.00000	-12.00000	99.75000
0.00000	0.00000	-0.05275	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name	Ref.	x	y	z
x	y	z				
0.00000	0.00000	0.09456	1190	-40.00000	-11.00000	99.75000
0.00000	0.00000	0.10693	1191	-39.00000	-11.00000	99.75000
0.00000	0.00000	0.12070	1192	-38.00000	-11.00000	99.75000
0.00000	0.00000	0.13573	1193	-37.00000	-11.00000	99.75000
0.00000	0.00000	0.15167	1194	-36.00000	-11.00000	99.75000
0.00000	0.00000	0.16791	1195	-35.00000	-11.00000	99.75000
0.00000	0.00000	0.18355	1196	-34.00000	-11.00000	99.75000
0.00000	0.00000	0.19754	1197	-33.00000	-11.00000	99.75000
0.00000	0.00000	0.20886	1198	-32.00000	-11.00000	99.75000
0.00000	0.00000	0.21689	1199	-31.00000	-11.00000	99.75000
0.00000	0.00000	0.22152	1200	-30.00000	-11.00000	99.75000
0.00000	0.00000	0.22318	1201	-29.00000	-11.00000	99.75000
0.00000	0.00000	0.22263	1202	-28.00000	-11.00000	99.75000
0.00000	0.00000	0.22069	1203	-27.00000	-11.00000	99.75000
0.00000	0.00000	0.21801	1204	-26.00000	-11.00000	99.75000
0.00000	0.00000	0.21494	1205	-25.00000	-11.00000	99.75000
0.00000	0.00000	0.21151	1206	-24.00000	-11.00000	99.75000
0.00000	0.00000	0.20747	1207	-23.00000	-11.00000	99.75000
0.00000	0.00000	0.20237	1208	-22.00000	-11.00000	99.75000
0.00000	0.00000	0.19564	1209	-21.00000	-11.00000	99.75000
0.00000	0.00000	0.18674	1210	-20.00000	-11.00000	99.75000
0.00000	0.00000	0.17523	1211	-19.00000	-11.00000	99.75000
0.00000	0.00000	0.16089	1212	-18.00000	-11.00000	99.75000
0.00000	0.00000	0.14377	1213	-17.00000	-11.00000	99.75000
0.00000	0.00000	0.12423	1214	-16.00000	-11.00000	99.75000
0.00000	0.00000	0.10284	1215	-15.00000	-11.00000	99.75000
0.00000	0.00000	0.08033	1216	-14.00000	-11.00000	99.75000
0.00000	0.00000	0.05742	1217	-13.00000	-11.00000	99.75000
0.00000	0.00000	0.03483	1218	-12.00000	-11.00000	99.75000
0.00000	0.00000	0.01324	1219	-11.00000	-11.00000	99.75000
0.00000	0.00000	-0.00669	1220	-10.00000	-11.00000	99.75000
0.00000	0.00000	-0.02438	1221	-9.00000	-11.00000	99.75000
0.00000	0.00000	-0.03933	1222	-8.00000	-11.00000	99.75000
0.00000	0.00000	-0.05119	1223	-7.00000	-11.00000	99.75000
0.00000	0.00000	-0.05986	1224	-6.00000	-11.00000	99.75000
0.00000	0.00000	-0.06549	1225	-5.00000	-11.00000	99.75000
0.00000	0.00000	-0.06841	1226	-4.00000	-11.00000	99.75000
0.00000	0.00000	-0.06909	1227	-3.00000	-11.00000	99.75000
			1228	-2.00000	-11.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.06802	1	1229	-1.00000	-11.00000	99.75000
0.00000	0.00000	-0.06568	1	1230	0.00000	-11.00000	99.75000
0.00000	0.00000	-0.06248	1	1231	-40.00000	-10.00000	99.75000
0.00000	0.00000	0.10563	1	1232	-39.00000	-10.00000	99.75000
0.00000	0.00000	0.12088	1	1233	-38.00000	-10.00000	99.75000
0.00000	0.00000	0.13831	1	1234	-37.00000	-10.00000	99.75000
0.00000	0.00000	0.15792	1	1235	-36.00000	-10.00000	99.75000
0.00000	0.00000	0.17936	1	1236	-35.00000	-10.00000	99.75000
0.00000	0.00000	0.20185	1	1237	-34.00000	-10.00000	99.75000
0.00000	0.00000	0.22397	1	1238	-33.00000	-10.00000	99.75000
0.00000	0.00000	0.24391	1	1239	-32.00000	-10.00000	99.75000
0.00000	0.00000	0.25979	1	1240	-31.00000	-10.00000	99.75000
0.00000	0.00000	0.27040	1	1241	-30.00000	-10.00000	99.75000
0.00000	0.00000	0.27564	1	1242	-29.00000	-10.00000	99.75000
0.00000	0.00000	0.27647	1	1243	-28.00000	-10.00000	99.75000
0.00000	0.00000	0.27439	1	1244	-27.00000	-10.00000	99.75000
0.00000	0.00000	0.27092	1	1245	-26.00000	-10.00000	99.75000
0.00000	0.00000	0.26718	1	1246	-25.00000	-10.00000	99.75000
0.00000	0.00000	0.26372	1	1247	-24.00000	-10.00000	99.75000
0.00000	0.00000	0.26050	1	1248	-23.00000	-10.00000	99.75000
0.00000	0.00000	0.25704	1	1249	-22.00000	-10.00000	99.75000
0.00000	0.00000	0.25251	1	1250	-21.00000	-10.00000	99.75000
0.00000	0.00000	0.24600	1	1251	-20.00000	-10.00000	99.75000
0.00000	0.00000	0.23655	1	1252	-19.00000	-10.00000	99.75000
0.00000	0.00000	0.22340	1	1253	-18.00000	-10.00000	99.75000
0.00000	0.00000	0.20610	1	1254	-17.00000	-10.00000	99.75000
0.00000	0.00000	0.18469	1	1255	-16.00000	-10.00000	99.75000
0.00000	0.00000	0.15972	1	1256	-15.00000	-10.00000	99.75000
0.00000	0.00000	0.13210	1	1257	-14.00000	-10.00000	99.75000
0.00000	0.00000	0.10292	1	1258	-13.00000	-10.00000	99.75000
0.00000	0.00000	0.07320	1	1259	-12.00000	-10.00000	99.75000
0.00000	0.00000	0.04391	1	1260	-11.00000	-10.00000	99.75000
0.00000	0.00000	0.01590	1	1261	-10.00000	-10.00000	99.75000
0.00000	0.00000	-0.00998	1	1262	-9.00000	-10.00000	99.75000
0.00000	0.00000	-0.03286	1	1263	-8.00000	-10.00000	99.75000
0.00000	0.00000	-0.05197	1	1264	-7.00000	-10.00000	99.75000
0.00000	0.00000	-0.06675	1	1265	-6.00000	-10.00000	99.75000
0.00000	0.00000	-0.07705	1	1266	-5.00000	-10.00000	99.75000
0.00000	0.00000	-0.08314	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Set: Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	z
0.00000	0.00000	-0.08560	1	1267	-4.00000	-10.00000	99.75000
0.00000	0.00000	-0.08519	1	1268	-3.00000	-10.00000	99.75000
0.00000	0.00000	-0.08268	1	1269	-2.00000	-10.00000	99.75000
0.00000	0.00000	-0.07876	1	1270	-1.00000	-10.00000	99.75000
0.00000	0.00000	-0.07396	1	1271	0.00000	-10.00000	99.75000
0.00000	0.00000	0.11746	1	1272	-40.00000	-9.00000	99.75000
0.00000	0.00000	0.13618	1	1273	-39.00000	-9.00000	99.75000
0.00000	0.00000	0.15827	1	1274	-38.00000	-9.00000	99.75000
0.00000	0.00000	0.18402	1	1275	-37.00000	-9.00000	99.75000
0.00000	0.00000	0.21334	1	1276	-36.00000	-9.00000	99.75000
0.00000	0.00000	0.24533	1	1277	-35.00000	-9.00000	99.75000
0.00000	0.00000	0.27789	1	1278	-34.00000	-9.00000	99.75000
0.00000	0.00000	0.30769	1	1279	-33.00000	-9.00000	99.75000
0.00000	0.00000	0.33100	1	1280	-32.00000	-9.00000	99.75000
0.00000	0.00000	0.34529	1	1281	-31.00000	-9.00000	99.75000
0.00000	0.00000	0.35051	1	1282	-30.00000	-9.00000	99.75000
0.00000	0.00000	0.34886	1	1283	-29.00000	-9.00000	99.75000
0.00000	0.00000	0.34345	1	1284	-28.00000	-9.00000	99.75000
0.00000	0.00000	0.33709	1	1285	-27.00000	-9.00000	99.75000
0.00000	0.00000	0.33161	1	1286	-26.00000	-9.00000	99.75000
0.00000	0.00000	0.32780	1	1287	-25.00000	-9.00000	99.75000
0.00000	0.00000	0.32542	1	1288	-24.00000	-9.00000	99.75000
0.00000	0.00000	0.32349	1	1289	-23.00000	-9.00000	99.75000
0.00000	0.00000	0.32061	1	1290	-22.00000	-9.00000	99.75000
0.00000	0.00000	0.31525	1	1291	-21.00000	-9.00000	99.75000
0.00000	0.00000	0.30588	1	1292	-20.00000	-9.00000	99.75000
0.00000	0.00000	0.29113	1	1293	-19.00000	-9.00000	99.75000
0.00000	0.00000	0.27010	1	1294	-18.00000	-9.00000	99.75000
0.00000	0.00000	0.24280	1	1295	-17.00000	-9.00000	99.75000
0.00000	0.00000	0.21014	1	1296	-16.00000	-9.00000	99.75000
0.00000	0.00000	0.17369	1	1297	-15.00000	-9.00000	99.75000
0.00000	0.00000	0.13516	1	1298	-14.00000	-9.00000	99.75000
0.00000	0.00000	0.09606	1	1299	-13.00000	-9.00000	99.75000
0.00000	0.00000	0.05756	1	1300	-12.00000	-9.00000	99.75000
0.00000	0.00000	0.02063	1	1301	-11.00000	-9.00000	99.75000
0.00000	0.00000	-0.01365	1	1302	-10.00000	-9.00000	99.75000
0.00000	0.00000	-0.04400	1	1303	-9.00000	-9.00000	99.75000
0.00000	0.00000	-0.06908	1	1304	-8.00000	-9.00000	99.75000
				1305	-7.00000	-9.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.08791	1	1306	-6.00000	-9.00000	99.75000
0.00000	0.00000	-0.10020	1	1307	-5.00000	-9.00000	99.75000
0.00000	0.00000	-0.10647	1	1308	-4.00000	-9.00000	99.75000
0.00000	0.00000	-0.10781	1	1309	-3.00000	-9.00000	99.75000
0.00000	0.00000	-0.10549	1	1310	-2.00000	-9.00000	99.75000
0.00000	0.00000	-0.10071	1	1311	-1.00000	-9.00000	99.75000
0.00000	0.00000	-0.09445	1	1312	0.00000	-9.00000	99.75000
0.00000	0.00000	-0.08746	1	1313	-40.00000	-8.00000	99.75000
0.00000	0.00000	0.12974	1	1314	-39.00000	-8.00000	99.75000
0.00000	0.00000	0.15251	1	1315	-38.00000	-8.00000	99.75000
0.00000	0.00000	0.18034	1	1316	-37.00000	-8.00000	99.75000
0.00000	0.00000	0.21423	1	1317	-36.00000	-8.00000	99.75000
0.00000	0.00000	0.25485	1	1318	-35.00000	-8.00000	99.75000
0.00000	0.00000	0.30172	1	1319	-34.00000	-8.00000	99.75000
0.00000	0.00000	0.35199	1	1320	-33.00000	-8.00000	99.75000
0.00000	0.00000	0.39951	1	1321	-32.00000	-8.00000	99.75000
0.00000	0.00000	0.43608	1	1322	-31.00000	-8.00000	99.75000
0.00000	0.00000	0.45577	1	1323	-30.00000	-8.00000	99.75000
0.00000	0.00000	0.45889	1	1324	-29.00000	-8.00000	99.75000
0.00000	0.00000	0.45096	1	1325	-28.00000	-8.00000	99.75000
0.00000	0.00000	0.43862	1	1326	-27.00000	-8.00000	99.75000
0.00000	0.00000	0.42690	1	1327	-26.00000	-8.00000	99.75000
0.00000	0.00000	0.41865	1	1328	-25.00000	-8.00000	99.75000
0.00000	0.00000	0.41481	1	1329	-24.00000	-8.00000	99.75000
0.00000	0.00000	0.41459	1	1330	-23.00000	-8.00000	99.75000
0.00000	0.00000	0.41597	1	1331	-22.00000	-8.00000	99.75000
0.00000	0.00000	0.41648	1	1332	-21.00000	-8.00000	99.75000
0.00000	0.00000	0.41389	1	1333	-20.00000	-8.00000	99.75000
0.00000	0.00000	0.40588	1	1334	-19.00000	-8.00000	99.75000
0.00000	0.00000	0.38991	1	1335	-18.00000	-8.00000	99.75000
0.00000	0.00000	0.36411	1	1336	-17.00000	-8.00000	99.75000
0.00000	0.00000	0.32828	1	1337	-16.00000	-8.00000	99.75000
0.00000	0.00000	0.28415	1	1338	-15.00000	-8.00000	99.75000
0.00000	0.00000	0.23466	1	1339	-14.00000	-8.00000	99.75000
0.00000	0.00000	0.18274	1	1340	-13.00000	-8.00000	99.75000
0.00000	0.00000	0.13055	1	1341	-12.00000	-8.00000	99.75000
0.00000	0.00000	0.07930	1	1342	-11.00000	-8.00000	99.75000
0.00000	0.00000	0.02981	1	1343	-10.00000	-8.00000	99.75000
0.00000	0.00000	-0.01678	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	-0.05846	1344	-9.00000	-8.00000	99.75000
0.00000	0.00000	-0.09268	1345	-8.00000	-8.00000	99.75000
0.00000	0.00000	-0.11741	1346	-7.00000	-8.00000	99.75000
0.00000	0.00000	-0.13209	1347	-6.00000	-8.00000	99.75000
0.00000	0.00000	-0.13786	1348	-5.00000	-8.00000	99.75000
0.00000	0.00000	-0.13680	1349	-4.00000	-8.00000	99.75000
0.00000	0.00000	-0.13117	1350	-3.00000	-8.00000	99.75000
0.00000	0.00000	-0.12285	1351	-2.00000	-8.00000	99.75000
0.00000	0.00000	-0.11322	1352	-1.00000	-8.00000	99.75000
0.00000	0.00000	-0.10320	1353	0.00000	-8.00000	99.75000
0.00000	0.00000	0.14197	1354	-40.00000	-7.00000	99.75000
0.00000	0.00000	0.16921	1355	-39.00000	-7.00000	99.75000
0.00000	0.00000	0.20378	1356	-38.00000	-7.00000	99.75000
0.00000	0.00000	0.24804	1357	-37.00000	-7.00000	99.75000
0.00000	0.00000	0.30457	1358	-36.00000	-7.00000	99.75000
0.00000	0.00000	0.37505	1359	-35.00000	-7.00000	99.75000
0.00000	0.00000	0.45717	1360	-34.00000	-7.00000	99.75000
0.00000	0.00000	0.53997	1361	-33.00000	-7.00000	99.75000
0.00000	0.00000	0.60341	1362	-32.00000	-7.00000	99.75000
0.00000	0.00000	0.63116	1363	-31.00000	-7.00000	99.75000
0.00000	0.00000	0.62554	1364	-30.00000	-7.00000	99.75000
0.00000	0.00000	0.60229	1365	-29.00000	-7.00000	99.75000
0.00000	0.00000	0.57592	1366	-28.00000	-7.00000	99.75000
0.00000	0.00000	0.55468	1367	-27.00000	-7.00000	99.75000
0.00000	0.00000	0.54227	1368	-26.00000	-7.00000	99.75000
0.00000	0.00000	0.53950	1369	-25.00000	-7.00000	99.75000
0.00000	0.00000	0.54438	1370	-24.00000	-7.00000	99.75000
0.00000	0.00000	0.55227	1371	-23.00000	-7.00000	99.75000
0.00000	0.00000	0.55854	1372	-22.00000	-7.00000	99.75000
0.00000	0.00000	0.56095	1373	-21.00000	-7.00000	99.75000
0.00000	0.00000	0.55682	1374	-20.00000	-7.00000	99.75000
0.00000	0.00000	0.54099	1375	-19.00000	-7.00000	99.75000
0.00000	0.00000	0.50893	1376	-18.00000	-7.00000	99.75000
0.00000	0.00000	0.45989	1377	-17.00000	-7.00000	99.75000
0.00000	0.00000	0.39740	1378	-16.00000	-7.00000	99.75000
0.00000	0.00000	0.32758	1379	-15.00000	-7.00000	99.75000
0.00000	0.00000	0.25591	1380	-14.00000	-7.00000	99.75000
0.00000	0.00000	0.18537	1381	-13.00000	-7.00000	99.75000
			1382	-12.00000	-7.00000	99.75000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: z	Ref.	Coordinates: x	Coordinates: y	Coordinates: z	
0.00000	0.00000	0.11662	1	1383	-11.00000	-7.00000	99.75000
0.00000	0.00000	0.04925	1	1384	-10.00000	-7.00000	99.75000
0.00000	0.00000	-0.01623	1	1385	-9.00000	-7.00000	99.75000
0.00000	0.00000	-0.07650	1	1386	-8.00000	-7.00000	99.75000
0.00000	0.00000	-0.12604	1	1387	-7.00000	-7.00000	99.75000
0.00000	0.00000	-0.16006	1	1388	-6.00000	-7.00000	99.75000
0.00000	0.00000	-0.17745	1	1389	-5.00000	-7.00000	99.75000
0.00000	0.00000	-0.18096	1	1390	-4.00000	-7.00000	99.75000
0.00000	0.00000	-0.17504	1	1391	-3.00000	-7.00000	99.75000
0.00000	0.00000	-0.16373	1	1392	-2.00000	-7.00000	99.75000
0.00000	0.00000	-0.14993	1	1393	-1.00000	-7.00000	99.75000
0.00000	0.00000	-0.13547	1	1394	0.00000	-7.00000	99.75000
0.00000	0.00000	-0.12136	1	1395	-40.00000	-6.00000	99.75000
0.00000	0.00000	0.15346	1	1396	-39.00000	-6.00000	99.75000
0.00000	0.00000	0.18521	1	1397	-38.00000	-6.00000	99.75000
0.00000	0.00000	0.22704	1	1398	-37.00000	-6.00000	99.75000
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0.00000	0.00000	0.36112	1	1400	-35.00000	-6.00000	99.75000
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0.00000	0.00000	0.61060	1	1402	-33.00000	-6.00000	99.75000
0.00000	0.00000	0.77365	1	1403	-32.00000	-6.00000	99.75000
0.00000	0.00000	0.90322	1	1404	-31.00000	-6.00000	99.75000
0.00000	0.00000	0.94159	1	1405	-30.00000	-6.00000	99.75000
0.00000	0.00000	0.90402	1	1406	-29.00000	-6.00000	99.75000
0.00000	0.00000	0.84349	1	1407	-28.00000	-6.00000	99.75000
0.00000	0.00000	0.79003	1	1408	-27.00000	-6.00000	99.75000
0.00000	0.00000	0.75294	1	1409	-26.00000	-6.00000	99.75000
0.00000	0.00000	0.73480	1	1410	-25.00000	-6.00000	99.75000
0.00000	0.00000	0.73621	1	1411	-24.00000	-6.00000	99.75000
0.00000	0.00000	0.75331	1	1412	-23.00000	-6.00000	99.75000
0.00000	0.00000	0.77388	1	1413	-22.00000	-6.00000	99.75000
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0.00000	0.00000	0.78745	1	1417	-18.00000	-6.00000	99.75000
0.00000	0.00000	0.74723	1	1418	-17.00000	-6.00000	99.75000
0.00000	0.00000	0.67565	1	1419	-16.00000	-6.00000	99.75000
0.00000	0.00000	0.58070	1	1420	-15.00000	-6.00000	99.75000
0.00000	0.00000	0.47681	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Drg. Ref.		
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Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.37506	1	1421	-14.00000	-6.00000	99.75000
0.00000	0.00000	0.27902	1	1422	-13.00000	-6.00000	99.75000
0.00000	0.00000	0.18695	1	1423	-12.00000	-6.00000	99.75000
0.00000	0.00000	0.09450	1	1424	-11.00000	-6.00000	99.75000
0.00000	0.00000	-0.00177	1	1425	-10.00000	-6.00000	99.75000
0.00000	0.00000	-0.09616	1	1426	-9.00000	-6.00000	99.75000
0.00000	0.00000	-0.17492	1	1427	-8.00000	-6.00000	99.75000
0.00000	0.00000	-0.22530	1	1428	-7.00000	-6.00000	99.75000
0.00000	0.00000	-0.24476	1	1429	-6.00000	-6.00000	99.75000
0.00000	0.00000	-0.24153	1	1430	-5.00000	-6.00000	99.75000
0.00000	0.00000	-0.22581	1	1431	-4.00000	-6.00000	99.75000
0.00000	0.00000	-0.20484	1	1432	-3.00000	-6.00000	99.75000
0.00000	0.00000	-0.18271	1	1433	-2.00000	-6.00000	99.75000
0.00000	0.00000	-0.16145	1	1434	-1.00000	-6.00000	99.75000
0.00000	0.00000	-0.14196	1	1435	0.00000	-6.00000	99.75000
0.00000	0.00000	0.16342	1	1436	-40.00000	-5.00000	99.75000
0.00000	0.00000	0.19913	1	1437	-39.00000	-5.00000	99.75000
0.00000	0.00000	0.24763	1	1438	-38.00000	-5.00000	99.75000
0.00000	0.00000	0.31628	1	1439	-37.00000	-5.00000	99.75000
0.00000	0.00000	0.41824	1	1440	-36.00000	-5.00000	99.75000
0.00000	0.00000	0.57734	1	1441	-35.00000	-5.00000	99.75000
0.00000	0.00000	0.83269	1	1442	-34.00000	-5.00000	99.75000
0.00000	0.00000	1.21147	1	1443	-33.00000	-5.00000	99.75000
0.00000	0.00000	1.56863	1	1444	-32.00000	-5.00000	99.75000
0.00000	0.00000	1.60075	1	1445	-31.00000	-5.00000	99.75000
0.00000	0.00000	1.43572	1	1446	-30.00000	-5.00000	99.75000
0.00000	0.00000	1.28674	1	1447	-29.00000	-5.00000	99.75000
0.00000	0.00000	1.18628	1	1448	-28.00000	-5.00000	99.75000
0.00000	0.00000	1.12567	1	1449	-27.00000	-5.00000	99.75000
0.00000	0.00000	1.10005	1	1450	-26.00000	-5.00000	99.75000
0.00000	0.00000	1.11204	1	1451	-25.00000	-5.00000	99.75000
0.00000	0.00000	1.16102	1	1452	-24.00000	-5.00000	99.75000
0.00000	0.00000	1.21196	1	1453	-23.00000	-5.00000	99.75000
0.00000	0.00000	1.20015	1	1454	-22.00000	-5.00000	99.75000
0.00000	0.00000	1.19015	1	1455	-21.00000	-5.00000	99.75000
0.00000	0.00000	1.22218	1	1456	-20.00000	-5.00000	99.75000
0.00000	0.00000	1.22850	1	1457	-19.00000	-5.00000	99.75000
0.00000	0.00000	1.17817	1	1458	-18.00000	-5.00000	99.75000
				1459	-17.00000	-5.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:
Displacements:	Displacements:	Displacements:	Ref.	x	y	z
Ref.	x	Name	Ref.	x	y	z
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0.00000	0.00000	0.90195	1	1460	-16.00000	-5.00000
0.00000	0.00000	0.73516	1	1461	-15.00000	-5.00000
0.00000	0.00000	0.58652	1	1462	-14.00000	-5.00000
0.00000	0.00000	0.45596	1	1463	-13.00000	-5.00000
0.00000	0.00000	0.33535	1	1464	-12.00000	-5.00000
0.00000	0.00000	0.21403	1	1465	-11.00000	-5.00000
0.00000	0.00000	0.06463	1	1466	-10.00000	-5.00000
0.00000	0.00000	-0.10286	1	1467	-9.00000	-5.00000
0.00000	0.00000	-0.24964	1	1468	-8.00000	-5.00000
0.00000	0.00000	-0.33470	1	1469	-7.00000	-5.00000
0.00000	0.00000	-0.35052	1	1470	-6.00000	-5.00000
0.00000	0.00000	-0.32833	1	1471	-5.00000	-5.00000
0.00000	0.00000	-0.29305	1	1472	-4.00000	-5.00000
0.00000	0.00000	-0.25603	1	1473	-3.00000	-5.00000
0.00000	0.00000	-0.22160	1	1474	-2.00000	-5.00000
0.00000	0.00000	-0.19113	1	1475	-1.00000	-5.00000
0.00000	0.00000	-0.16479	1	1476	0.00000	-5.00000
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0.00000	0.00000	0.26259	1	1479	-38.00000	-4.00000
0.00000	0.00000	0.34011	1	1480	-37.00000	-4.00000
0.00000	0.00000	0.46213	1	1481	-36.00000	-4.00000
0.00000	0.00000	0.67503	1	1482	-35.00000	-4.00000
0.00000	0.00000	1.10474	1	1483	-34.00000	-4.00000
0.00000	0.00000	2.15651	1	1484	-33.00000	-4.00000
0.00000	0.00000	4.47026	1	1485	-32.00000	-4.00000
0.00000	0.00000	4.12696	1	1486	-31.00000	-4.00000
0.00000	0.00000	3.38432	1	1487	-30.00000	-4.00000
0.00000	0.00000	3.06362	1	1488	-29.00000	-4.00000
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0.00000	0.00000	2.76017	1	1491	-26.00000	-4.00000
0.00000	0.00000	2.74777	1	1492	-25.00000	-4.00000
0.00000	0.00000	2.87756	1	1493	-24.00000	-4.00000
0.00000	0.00000	3.07451	1	1494	-23.00000	-4.00000
0.00000	0.00000	2.10272	1	1495	-22.00000	-4.00000
0.00000	0.00000	1.87599	1	1496	-21.00000	-4.00000
0.00000	0.00000	2.04009	1	1497	-20.00000	-4.00000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name	Ref.	x	y	z
x	y	z				
0.00000	0.00000	2.08904	1498	-19.00000	-4.00000	99.75000
0.00000	0.00000	2.03387	1499	-18.00000	-4.00000	99.75000
0.00000	0.00000	1.82991	1500	-17.00000	-4.00000	99.75000
0.00000	0.00000	1.48973	1501	-16.00000	-4.00000	99.75000
0.00000	0.00000	1.19331	1502	-15.00000	-4.00000	99.75000
0.00000	0.00000	0.97348	1503	-14.00000	-4.00000	99.75000
0.00000	0.00000	0.79954	1504	-13.00000	-4.00000	99.75000
0.00000	0.00000	0.64567	1505	-12.00000	-4.00000	99.75000
0.00000	0.00000	0.72510	1506	-11.00000	-4.00000	99.75000
0.00000	0.00000	0.50963	1507	-10.00000	-4.00000	99.75000
0.00000	0.00000	0.15217	1508	-9.00000	-4.00000	99.75000
0.00000	0.00000	-0.24326	1509	-8.00000	-4.00000	99.75000
0.00000	0.00000	-0.53920	1510	-7.00000	-4.00000	99.75000
0.00000	0.00000	-0.52863	1511	-6.00000	-4.00000	99.75000
0.00000	0.00000	-0.45290	1512	-5.00000	-4.00000	99.75000
0.00000	0.00000	-0.38021	1513	-4.00000	-4.00000	99.75000
0.00000	0.00000	-0.31788	1514	-3.00000	-4.00000	99.75000
0.00000	0.00000	-0.26625	1515	-2.00000	-4.00000	99.75000
0.00000	0.00000	-0.22393	1516	-1.00000	-4.00000	99.75000
0.00000	0.00000	-0.18926	1517	0.00000	-4.00000	99.75000
0.00000	0.00000	0.17610	1518	-40.00000	-3.00000	99.75000
0.00000	0.00000	0.21547	1519	-39.00000	-3.00000	99.75000
0.00000	0.00000	0.26972	1520	-38.00000	-3.00000	99.75000
0.00000	0.00000	0.34906	1521	-37.00000	-3.00000	99.75000
0.00000	0.00000	0.47560	1522	-36.00000	-3.00000	99.75000
0.00000	0.00000	0.70560	1523	-35.00000	-3.00000	99.75000
0.00000	0.00000	1.22874	1524	-34.00000	-3.00000	99.75000
0.00000	0.00000	3.38423	1525	-33.00000	-3.00000	99.75000
0.00000	0.00000	6.39594	1526	-32.00000	-3.00000	99.75000
0.00000	0.00000	3.94584	1527	-31.00000	-3.00000	99.75000
0.00000	0.00000	1.97119	1528	-30.00000	-3.00000	99.75000
0.00000	0.00000	1.50322	1529	-29.00000	-3.00000	99.75000
0.00000	0.00000	1.29181	1530	-28.00000	-3.00000	99.75000
0.00000	0.00000	1.17497	1531	-27.00000	-3.00000	99.75000
0.00000	0.00000	0.96414	1532	-26.00000	-3.00000	99.75000
0.00000	0.00000	0.01284	1533	-25.00000	-3.00000	99.75000
0.00000	0.00000	0.26154	1534	-24.00000	-3.00000	99.75000
0.00000	0.00000	1.97525	1535	-23.00000	-3.00000	99.75000
			1536	-22.00000	-3.00000	99.75000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:		
Displacements:	Displacements:	Displacements:	Ref.	x	y	z		
Ref.	x	y	Name	z				
0.00000	0.00000	0.00000	2.68296	1	1537	-21.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	3.11787	1	1538	-20.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	4.38420	1	1539	-19.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	4.02117	1	1540	-18.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	4.27521	1	1541	-17.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	3.90276	1	1542	-16.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.60535	1	1543	-15.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.03886	1	1544	-14.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.72976	1	1545	-13.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.51192	1	1546	-12.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.30915	1	1547	-11.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.16987	1	1548	-10.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.34832	1	1549	-9.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.68356	1	1550	-8.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-1.24727	1	1551	-7.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-1.19026	1	1552	-6.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.82611	1	1553	-5.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.62376	1	1554	-4.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.48744	1	1555	-3.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.38882	1	1556	-2.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.31506	1	1557	-1.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.25854	1	1558	0.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.21441	1	1559	-40.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.17854	1	1560	-39.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.21715	1	1561	-38.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.26905	1	1562	-37.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.34230	1	1563	-36.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.45332	1	1564	-35.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.64012	1	1565	-34.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	1.00595	1	1566	-33.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	1.86924	1	1567	-32.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	2.92745	1	1568	-31.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	1.32441	1	1569	-30.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.38122	1	1570	-29.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.02211	1	1571	-28.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.23612	1	1572	-27.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.36834	1	1573	-26.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.63770	1	1574	-25.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-1.74483	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-1.49568	1	1575	-24.00000	-2.00000	99.75000
0.00000	0.00000	0.32183	1	1576	-23.00000	-2.00000	99.75000
0.00000	0.00000	1.49003	1	1577	-22.00000	-2.00000	99.75000
0.00000	0.00000	2.71427	1	1578	-21.00000	-2.00000	99.75000
0.00000	0.00000	5.59941	1	1579	-20.00000	-2.00000	99.75000
0.00000	0.00000	5.44264	1	1580	-19.00000	-2.00000	99.75000
0.00000	0.00000	5.63368	1	1581	-18.00000	-2.00000	99.75000
0.00000	0.00000	5.12710	1	1582	-17.00000	-2.00000	99.75000
0.00000	0.00000	2.01988	1	1583	-16.00000	-2.00000	99.75000
0.00000	0.00000	1.20281	1	1584	-15.00000	-2.00000	99.75000
0.00000	0.00000	0.83842	1	1585	-14.00000	-2.00000	99.75000
0.00000	0.00000	0.59745	1	1586	-13.00000	-2.00000	99.75000
0.00000	0.00000	0.37333	1	1587	-12.00000	-2.00000	99.75000
0.00000	0.00000	0.27410	1	1588	-11.00000	-2.00000	99.75000
0.00000	0.00000	-0.46147	1	1589	-10.00000	-2.00000	99.75000
0.00000	0.00000	-1.49536	1	1590	-9.00000	-2.00000	99.75000
0.00000	0.00000	-2.08563	1	1591	-8.00000	-2.00000	99.75000
0.00000	0.00000	-2.28535	1	1592	-7.00000	-2.00000	99.75000
0.00000	0.00000	-1.27666	1	1593	-6.00000	-2.00000	99.75000
0.00000	0.00000	-0.83691	1	1594	-5.00000	-2.00000	99.75000
0.00000	0.00000	-0.60808	1	1595	-4.00000	-2.00000	99.75000
0.00000	0.00000	-0.46402	1	1596	-3.00000	-2.00000	99.75000
0.00000	0.00000	-0.36484	1	1597	-2.00000	-2.00000	99.75000
0.00000	0.00000	-0.29288	1	1598	-1.00000	-2.00000	99.75000
0.00000	0.00000	-0.23884	1	1599	0.00000	-2.00000	99.75000
0.00000	0.00000	0.17904	1	1600	-40.00000	-1.00000	99.75000
0.00000	0.00000	0.21587	1	1601	-39.00000	-1.00000	99.75000
0.00000	0.00000	0.26338	1	1602	-38.00000	-1.00000	99.75000
0.00000	0.00000	0.32608	1	1603	-37.00000	-1.00000	99.75000
0.00000	0.00000	0.41117	1	1604	-36.00000	-1.00000	99.75000
0.00000	0.00000	0.52976	1	1605	-35.00000	-1.00000	99.75000
0.00000	0.00000	0.69219	1	1606	-34.00000	-1.00000	99.75000
0.00000	0.00000	0.85394	1	1607	-33.00000	-1.00000	99.75000
0.00000	0.00000	0.59899	1	1608	-32.00000	-1.00000	99.75000
0.00000	0.00000	0.00953	1	1609	-31.00000	-1.00000	99.75000
0.00000	0.00000	-0.39933	1	1610	-30.00000	-1.00000	99.75000
0.00000	0.00000	-0.68155	1	1611	-29.00000	-1.00000	99.75000
0.00000	0.00000	-0.87289	1	1612	-28.00000	-1.00000	99.75000
				1613	-27.00000	-1.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:				Result: Coordinates:				
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	-1.01144	1	1614	-26.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.30403	1	1615	-25.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.45764	1	1616	-24.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.36110	1	1617	-23.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.97384	1	1618	-22.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.45330	1	1619	-21.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-0.69324	1	1620	-20.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	0.66898	1	1621	-19.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	0.33342	1	1622	-18.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	0.58204	1	1623	-17.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	0.18399	1	1624	-16.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.14904	1	1625	-15.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.75075	1	1626	-14.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.08616	1	1627	-13.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.31551	1	1628	-12.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.50737	1	1629	-11.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.45486	1	1630	-10.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.73033	1	1631	-9.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.07832	1	1632	-8.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.57902	1	1633	-7.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-2.92150	1	1634	-6.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.76712	1	1635	-5.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-1.07202	1	1636	-4.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-0.72653	1	1637	-3.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-0.53537	1	1638	-2.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-0.41112	1	1639	-1.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-0.32429	1	1640	0.00000	-1.00000	99.75000
0.00000	0.00000	0.00000	-0.26087	1	1641	-40.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.17854	1	1642	-39.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.21360	1	1643	-38.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.25701	1	1644	-37.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.31024	1	1645	-36.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.37346	1	1646	-35.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.44151	1	1647	-34.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.49193	1	1648	-33.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.45160	1	1649	-32.00000	0.00000	99.75000
0.00000	0.00000	0.00000	0.02677	1	1650	-31.00000	0.00000	99.75000
0.00000	0.00000	0.00000	-0.50729	1	1651	-30.00000	0.00000	99.75000
0.00000	0.00000	0.00000	-0.79741	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates: Coordinates: Coordinates:				
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.		Name					
x	y	z					
0.00000	0.00000	-1.01958	1	1652	-29.00000	0.00000	99.75000
0.00000	0.00000	-1.19390	1	1653	-28.00000	0.00000	99.75000
0.00000	0.00000	-1.33747	1	1654	-27.00000	0.00000	99.75000
0.00000	0.00000	-1.65208	1	1655	-26.00000	0.00000	99.75000
0.00000	0.00000	-2.85107	1	1656	-25.00000	0.00000	99.75000
0.00000	0.00000	-2.85968	1	1657	-24.00000	0.00000	99.75000
0.00000	0.00000	-2.68239	1	1658	-23.00000	0.00000	99.75000
0.00000	0.00000	-2.40440	1	1659	-22.00000	0.00000	99.75000
0.00000	0.00000	-2.05390	1	1660	-21.00000	0.00000	99.75000
0.00000	0.00000	-1.73575	1	1661	-20.00000	0.00000	99.75000
0.00000	0.00000	-1.64111	1	1662	-19.00000	0.00000	99.75000
0.00000	0.00000	-1.71484	1	1663	-18.00000	0.00000	99.75000
0.00000	0.00000	-1.98299	1	1664	-17.00000	0.00000	99.75000
0.00000	0.00000	-2.41134	1	1665	-16.00000	0.00000	99.75000
0.00000	0.00000	-2.79258	1	1666	-15.00000	0.00000	99.75000
0.00000	0.00000	-3.07438	1	1667	-14.00000	0.00000	99.75000
0.00000	0.00000	-3.27890	1	1668	-13.00000	0.00000	99.75000
0.00000	0.00000	-3.42881	1	1669	-12.00000	0.00000	99.75000
0.00000	0.00000	-3.27023	1	1670	-11.00000	0.00000	99.75000
0.00000	0.00000	-2.33692	1	1671	-10.00000	0.00000	99.75000
0.00000	0.00000	-2.49243	1	1672	-9.00000	0.00000	99.75000
0.00000	0.00000	-2.90822	1	1673	-8.00000	0.00000	99.75000
0.00000	0.00000	-3.23090	1	1674	-7.00000	0.00000	99.75000
0.00000	0.00000	-2.02861	1	1675	-6.00000	0.00000	99.75000
0.00000	0.00000	-1.23815	1	1676	-5.00000	0.00000	99.75000
0.00000	0.00000	-0.82106	1	1677	-4.00000	0.00000	99.75000
0.00000	0.00000	-0.59370	1	1678	-3.00000	0.00000	99.75000
0.00000	0.00000	-0.44911	1	1679	-2.00000	0.00000	99.75000
0.00000	0.00000	-0.35001	1	1680	-1.00000	0.00000	99.75000
0.00000	0.00000	-0.27882	1	1681	0.00000	0.00000	99.75000
0.00000	0.00000	0.17783	1	1682	-40.00000	1.00000	99.75000
0.00000	0.00000	0.21205	1	1683	-39.00000	1.00000	99.75000
0.00000	0.00000	0.25360	1	1684	-38.00000	1.00000	99.75000
0.00000	0.00000	0.30278	1	1685	-37.00000	1.00000	99.75000
0.00000	0.00000	0.35712	1	1686	-36.00000	1.00000	99.75000
0.00000	0.00000	0.40650	1	1687	-35.00000	1.00000	99.75000
0.00000	0.00000	0.42211	1	1688	-34.00000	1.00000	99.75000
0.00000	0.00000	0.33296	1	1689	-33.00000	1.00000	99.75000
				1690	-32.00000	1.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref.	Set: Displacements: Name	Set: Displacements: Name	Set: Displacements: Name	Result: Coordinates: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
x	y	z					
0.00000	0.00000	-0.12813	1	1691	-31.00000	1.00000	99.75000
0.00000	0.00000	-0.66084	1	1692	-30.00000	1.00000	99.75000
0.00000	0.00000	-0.93043	1	1693	-29.00000	1.00000	99.75000
0.00000	0.00000	-1.13845	1	1694	-28.00000	1.00000	99.75000
0.00000	0.00000	-1.31035	1	1695	-27.00000	1.00000	99.75000
0.00000	0.00000	-1.46126	1	1696	-26.00000	1.00000	99.75000
0.00000	0.00000	-1.79396	1	1697	-25.00000	1.00000	99.75000
0.00000	0.00000	-3.02370	1	1698	-24.00000	1.00000	99.75000
0.00000	0.00000	-3.08515	1	1699	-23.00000	1.00000	99.75000
0.00000	0.00000	-2.98361	1	1700	-22.00000	1.00000	99.75000
0.00000	0.00000	-2.79137	1	1701	-21.00000	1.00000	99.75000
0.00000	0.00000	-2.54273	1	1702	-20.00000	1.00000	99.75000
0.00000	0.00000	-2.33057	1	1703	-19.00000	1.00000	99.75000
0.00000	0.00000	-2.26754	1	1704	-18.00000	1.00000	99.75000
0.00000	0.00000	-2.36586	1	1705	-17.00000	1.00000	99.75000
0.00000	0.00000	-2.62103	1	1706	-16.00000	1.00000	99.75000
0.00000	0.00000	-2.98085	1	1707	-15.00000	1.00000	99.75000
0.00000	0.00000	-3.32465	1	1708	-14.00000	1.00000	99.75000
0.00000	0.00000	-3.59358	1	1709	-13.00000	1.00000	99.75000
0.00000	0.00000	-3.78630	1	1710	-12.00000	1.00000	99.75000
0.00000	0.00000	-3.91038	1	1711	-11.00000	1.00000	99.75000
0.00000	0.00000	-3.69885	1	1712	-10.00000	1.00000	99.75000
0.00000	0.00000	-2.68833	1	1713	-9.00000	1.00000	99.75000
0.00000	0.00000	-2.76495	1	1714	-8.00000	1.00000	99.75000
0.00000	0.00000	-3.12414	1	1715	-7.00000	1.00000	99.75000
0.00000	0.00000	-3.41159	1	1716	-6.00000	1.00000	99.75000
0.00000	0.00000	-2.17064	1	1717	-5.00000	1.00000	99.75000
0.00000	0.00000	-1.32792	1	1718	-4.00000	1.00000	99.75000
0.00000	0.00000	-0.87950	1	1719	-3.00000	1.00000	99.75000
0.00000	0.00000	-0.63240	1	1720	-2.00000	1.00000	99.75000
0.00000	0.00000	-0.47501	1	1721	-1.00000	1.00000	99.75000
0.00000	0.00000	-0.36772	1	1722	0.00000	1.00000	99.75000
0.00000	0.00000	-0.29124	1	1723	-40.00000	2.00000	99.75000
0.00000	0.00000	0.17728	1	1724	-39.00000	2.00000	99.75000
0.00000	0.00000	0.21194	1	1725	-38.00000	2.00000	99.75000
0.00000	0.00000	0.25470	1	1726	-37.00000	2.00000	99.75000
0.00000	0.00000	0.30681	1	1727	-36.00000	2.00000	99.75000
0.00000	0.00000	0.36791	1	1728	-35.00000	2.00000	99.75000
0.00000	0.00000	0.43185	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:	
Ref.		Name	Ref.	x	y	z	
x	y	z					
0.00000	0.00000	0.47475	1	1729	-34.00000	2.00000	99.75000
0.00000	0.00000	0.42348	1	1730	-33.00000	2.00000	99.75000
0.00000	0.00000	-0.01047	1	1731	-32.00000	2.00000	99.75000
0.00000	0.00000	-0.54663	1	1732	-31.00000	2.00000	99.75000
0.00000	0.00000	-0.83649	1	1733	-30.00000	2.00000	99.75000
0.00000	0.00000	-1.06211	1	1734	-29.00000	2.00000	99.75000
0.00000	0.00000	-1.24578	1	1735	-28.00000	2.00000	99.75000
0.00000	0.00000	-1.40657	1	1736	-27.00000	2.00000	99.75000
0.00000	0.00000	-1.75228	1	1737	-26.00000	2.00000	99.75000
0.00000	0.00000	-2.99850	1	1738	-25.00000	2.00000	99.75000
0.00000	0.00000	-3.08146	1	1739	-24.00000	2.00000	99.75000
0.00000	0.00000	-2.99693	1	1740	-23.00000	2.00000	99.75000
0.00000	0.00000	-2.78590	1	1741	-22.00000	2.00000	99.75000
0.00000	0.00000	-2.41252	1	1742	-21.00000	2.00000	99.75000
0.00000	0.00000	-1.98661	1	1743	-20.00000	2.00000	99.75000
0.00000	0.00000	-1.96425	1	1744	-19.00000	2.00000	99.75000
0.00000	0.00000	-2.07949	1	1745	-18.00000	2.00000	99.75000
0.00000	0.00000	-2.44933	1	1746	-17.00000	2.00000	99.75000
0.00000	0.00000	-3.07791	1	1747	-16.00000	2.00000	99.75000
0.00000	0.00000	-3.54930	1	1748	-15.00000	2.00000	99.75000
0.00000	0.00000	-3.86080	1	1749	-14.00000	2.00000	99.75000
0.00000	0.00000	-4.06437	1	1750	-13.00000	2.00000	99.75000
0.00000	0.00000	-4.18361	1	1751	-12.00000	2.00000	99.75000
0.00000	0.00000	-3.95265	1	1752	-11.00000	2.00000	99.75000
0.00000	0.00000	-2.91094	1	1753	-10.00000	2.00000	99.75000
0.00000	0.00000	-2.94538	1	1754	-9.00000	2.00000	99.75000
0.00000	0.00000	-3.26016	1	1755	-8.00000	2.00000	99.75000
0.00000	0.00000	-3.52653	1	1756	-7.00000	2.00000	99.75000
0.00000	0.00000	-2.30923	1	1757	-6.00000	2.00000	99.75000
0.00000	0.00000	-1.31355	1	1758	-5.00000	2.00000	99.75000
0.00000	0.00000	-0.89968	1	1759	-4.00000	2.00000	99.75000
0.00000	0.00000	-0.64892	1	1760	-3.00000	2.00000	99.75000
0.00000	0.00000	-0.48666	1	1761	-2.00000	2.00000	99.75000
0.00000	0.00000	-0.37591	1	1762	-1.00000	2.00000	99.75000
0.00000	0.00000	-0.29714	1	1763	0.00000	2.00000	99.75000
0.00000	0.00000	0.17661	1	1764	-40.00000	3.00000	99.75000
0.00000	0.00000	0.21272	1	1765	-39.00000	3.00000	99.75000
0.00000	0.00000	0.25910	1	1766	-38.00000	3.00000	99.75000
				1767	-37.00000	3.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:				Result: Coordinates:				
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:		
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	0.31986	1	1768	-36.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.40125	1	1769	-35.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.51207	1	1770	-34.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.65699	1	1771	-33.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.78300	1	1772	-32.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.49350	1	1773	-31.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.08765	1	1774	-30.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.48327	1	1775	-29.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.76924	1	1776	-28.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.97812	1	1777	-27.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-1.14943	1	1778	-26.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-1.50247	1	1779	-25.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-2.75457	1	1780	-24.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-2.84259	1	1781	-23.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-2.74960	1	1782	-22.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-2.46344	1	1783	-21.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-1.64200	1	1784	-20.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.58124	1	1785	-19.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.13056	1	1786	-18.00000	3.00000	99.75000
0.00000	0.00000	0.00000	0.29983	1	1787	-17.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.32638	1	1788	-16.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-2.86678	1	1789	-15.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-3.63277	1	1790	-14.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-4.01645	1	1791	-13.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-4.24546	1	1792	-12.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-4.37980	1	1793	-11.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-4.15910	1	1794	-10.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-3.11662	1	1795	-9.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-3.12108	1	1796	-8.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-3.35634	1	1797	-7.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-3.55321	1	1798	-6.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-2.34155	1	1799	-5.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-1.29665	1	1800	-4.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.89240	1	1801	-3.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.64357	1	1802	-2.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.48328	1	1803	-1.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.37397	1	1804	0.00000	3.00000	99.75000
0.00000	0.00000	0.00000	-0.29610	1	1805	-40.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.17509	1				



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 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	0.21279	1806	-39.00000	4.00000	99.75000
0.00000	0.00000	0.26334	1807	-38.00000	4.00000	99.75000
0.00000	0.00000	0.33440	1808	-37.00000	4.00000	99.75000
0.00000	0.00000	0.44142	1809	-36.00000	4.00000	99.75000
0.00000	0.00000	0.61949	1810	-35.00000	4.00000	99.75000
0.00000	0.00000	0.95974	1811	-34.00000	4.00000	99.75000
0.00000	0.00000	1.70577	1812	-33.00000	4.00000	99.75000
0.00000	0.00000	2.28338	1813	-32.00000	4.00000	99.75000
0.00000	0.00000	1.10141	1814	-31.00000	4.00000	99.75000
0.00000	0.00000	0.23864	1815	-30.00000	4.00000	99.75000
0.00000	0.00000	-0.16839	1816	-29.00000	4.00000	99.75000
0.00000	0.00000	-0.40735	1817	-28.00000	4.00000	99.75000
0.00000	0.00000	-0.58410	1818	-27.00000	4.00000	99.75000
0.00000	0.00000	-0.93664	1819	-26.00000	4.00000	99.75000
0.00000	0.00000	-2.18628	1820	-25.00000	4.00000	99.75000
0.00000	0.00000	-2.27399	1821	-24.00000	4.00000	99.75000
0.00000	0.00000	-2.17814	1822	-23.00000	4.00000	99.75000
0.00000	0.00000	-1.86477	1823	-22.00000	4.00000	99.75000
0.00000	0.00000	-0.91427	1824	-21.00000	4.00000	99.75000
0.00000	0.00000	1.59191	1825	-20.00000	4.00000	99.75000
0.00000	0.00000	1.00231	1826	-19.00000	4.00000	99.75000
0.00000	0.00000	0.71533	1827	-18.00000	4.00000	99.75000
0.00000	0.00000	-0.19042	1828	-17.00000	4.00000	99.75000
0.00000	0.00000	-3.07217	1829	-16.00000	4.00000	99.75000
0.00000	0.00000	-3.95129	1830	-15.00000	4.00000	99.75000
0.00000	0.00000	-4.37026	1831	-14.00000	4.00000	99.75000
0.00000	0.00000	-4.62146	1832	-13.00000	4.00000	99.75000
0.00000	0.00000	-4.79309	1833	-12.00000	4.00000	99.75000
0.00000	0.00000	-4.63626	1834	-11.00000	4.00000	99.75000
0.00000	0.00000	-3.64486	1835	-10.00000	4.00000	99.75000
0.00000	0.00000	-3.63435	1836	-9.00000	4.00000	99.75000
0.00000	0.00000	-3.62183	1837	-8.00000	4.00000	99.75000
0.00000	0.00000	-3.40453	1838	-7.00000	4.00000	99.75000
0.00000	0.00000	-2.23438	1839	-6.00000	4.00000	99.75000
0.00000	0.00000	-1.36593	1840	-5.00000	4.00000	99.75000
0.00000	0.00000	-0.85611	1841	-4.00000	4.00000	99.75000
0.00000	0.00000	-0.61555	1842	-3.00000	4.00000	99.75000
0.00000	0.00000	-0.46494	1843	-2.00000	4.00000	99.75000
			1844	-1.00000	4.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.	x	y	Name	z			
0.00000	0.00000	-0.36210	1	1845	0.00000	4.00000	99.75000
0.00000	0.00000	-0.28830	1	1846	-40.00000	5.00000	99.75000
0.00000	0.00000	0.17183	1	1847	-39.00000	5.00000	99.75000
0.00000	0.00000	0.21021	1	1848	-38.00000	5.00000	99.75000
0.00000	0.00000	0.26313	1	1849	-37.00000	5.00000	99.75000
0.00000	0.00000	0.34063	1	1850	-36.00000	5.00000	99.75000
0.00000	0.00000	0.46442	1	1851	-35.00000	5.00000	99.75000
0.00000	0.00000	0.69002	1	1852	-34.00000	5.00000	99.75000
0.00000	0.00000	1.20445	1	1853	-33.00000	5.00000	99.75000
0.00000	0.00000	3.33102	1	1854	-32.00000	5.00000	99.75000
0.00000	0.00000	6.22398	1	1855	-31.00000	5.00000	99.75000
0.00000	0.00000	3.65700	1	1856	-30.00000	5.00000	99.75000
0.00000	0.00000	1.66680	1	1857	-29.00000	5.00000	99.75000
0.00000	0.00000	1.17599	1	1858	-28.00000	5.00000	99.75000
0.00000	0.00000	0.93220	1	1859	-27.00000	5.00000	99.75000
0.00000	0.00000	0.76471	1	1860	-26.00000	5.00000	99.75000
0.00000	0.00000	0.43009	1	1861	-25.00000	5.00000	99.75000
0.00000	0.00000	-0.79297	1	1862	-24.00000	5.00000	99.75000
0.00000	0.00000	-0.87725	1	1863	-23.00000	5.00000	99.75000
0.00000	0.00000	-0.79841	1	1864	-22.00000	5.00000	99.75000
0.00000	0.00000	-0.54245	1	1865	-21.00000	5.00000	99.75000
0.00000	0.00000	0.18188	1	1866	-20.00000	5.00000	99.75000
0.00000	0.00000	1.73671	1	1867	-19.00000	5.00000	99.75000
0.00000	0.00000	1.51238	1	1868	-18.00000	5.00000	99.75000
0.00000	0.00000	0.81940	1	1869	-17.00000	5.00000	99.75000
0.00000	0.00000	-0.05726	1	1870	-16.00000	5.00000	99.75000
0.00000	0.00000	-2.04302	1	1871	-15.00000	5.00000	99.75000
0.00000	0.00000	-2.78757	1	1872	-14.00000	5.00000	99.75000
0.00000	0.00000	-3.17354	1	1873	-13.00000	5.00000	99.75000
0.00000	0.00000	-3.42836	1	1874	-12.00000	5.00000	99.75000
0.00000	0.00000	-3.66196	1	1875	-11.00000	5.00000	99.75000
0.00000	0.00000	-3.79444	1	1876	-10.00000	5.00000	99.75000
0.00000	0.00000	-3.05497	1	1877	-9.00000	5.00000	99.75000
0.00000	0.00000	-3.05835	1	1878	-8.00000	5.00000	99.75000
0.00000	0.00000	-2.99637	1	1879	-7.00000	5.00000	99.75000
0.00000	0.00000	-2.74356	1	1880	-6.00000	5.00000	99.75000
0.00000	0.00000	-1.83417	1	1881	-5.00000	5.00000	99.75000
0.00000	0.00000	-1.18424	1	1882	-4.00000	5.00000	99.75000
0.00000	0.00000	-0.76796	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Set: Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	z
0.00000	0.00000	-0.56429	1	1883	-3.00000	5.00000	99.75000
0.00000	0.00000	-0.43310	1	1884	-2.00000	5.00000	99.75000
0.00000	0.00000	-0.34149	1	1885	-1.00000	5.00000	99.75000
0.00000	0.00000	-0.27453	1	1886	0.00000	5.00000	99.75000
0.00000	0.00000	0.16615	1	1887	-40.00000	6.00000	99.75000
0.00000	0.00000	0.20359	1	1888	-39.00000	6.00000	99.75000
0.00000	0.00000	0.25550	1	1889	-38.00000	6.00000	99.75000
0.00000	0.00000	0.33173	1	1890	-37.00000	6.00000	99.75000
0.00000	0.00000	0.45274	1	1891	-36.00000	6.00000	99.75000
0.00000	0.00000	0.66672	1	1892	-35.00000	6.00000	99.75000
0.00000	0.00000	1.10993	1	1893	-34.00000	6.00000	99.75000
0.00000	0.00000	2.26988	1	1894	-33.00000	6.00000	99.75000
0.00000	0.00000	5.63104	1	1895	-32.00000	6.00000	99.75000
0.00000	0.00000	4.35245	1	1896	-31.00000	6.00000	99.75000
0.00000	0.00000	3.48374	1	1897	-30.00000	6.00000	99.75000
0.00000	0.00000	3.12307	1	1898	-29.00000	6.00000	99.75000
0.00000	0.00000	2.92377	1	1899	-28.00000	6.00000	99.75000
0.00000	0.00000	2.78549	1	1900	-27.00000	6.00000	99.75000
0.00000	0.00000	2.59711	1	1901	-26.00000	6.00000	99.75000
0.00000	0.00000	2.25505	1	1902	-25.00000	6.00000	99.75000
0.00000	0.00000	2.20726	1	1903	-24.00000	6.00000	99.75000
0.00000	0.00000	2.25692	1	1904	-23.00000	6.00000	99.75000
0.00000	0.00000	2.41431	1	1905	-22.00000	6.00000	99.75000
0.00000	0.00000	2.78069	1	1906	-21.00000	6.00000	99.75000
0.00000	0.00000	3.72842	1	1907	-20.00000	6.00000	99.75000
0.00000	0.00000	3.15313	1	1908	-19.00000	6.00000	99.75000
0.00000	0.00000	2.80623	1	1909	-18.00000	6.00000	99.75000
0.00000	0.00000	2.18643	1	1910	-17.00000	6.00000	99.75000
0.00000	0.00000	1.04965	1	1911	-16.00000	6.00000	99.75000
0.00000	0.00000	0.55385	1	1912	-15.00000	6.00000	99.75000
0.00000	0.00000	0.24793	1	1913	-14.00000	6.00000	99.75000
0.00000	0.00000	0.01939	1	1914	-13.00000	6.00000	99.75000
0.00000	0.00000	-0.23141	1	1915	-12.00000	6.00000	99.75000
0.00000	0.00000	-1.18898	1	1916	-11.00000	6.00000	99.75000
0.00000	0.00000	-1.60237	1	1917	-10.00000	6.00000	99.75000
0.00000	0.00000	-1.67436	1	1918	-9.00000	6.00000	99.75000
0.00000	0.00000	-1.63691	1	1919	-8.00000	6.00000	99.75000
0.00000	0.00000	-1.49713	1	1920	-7.00000	6.00000	99.75000
				1921	-6.00000	6.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:
Displacements:	Displacements:	Displacements:	Ref.	x	y	z
Ref.	x	Name	Ref.	x	y	z
0.00000	0.00000	-1.25249	1			
			1922	-5.00000	6.00000	99.75000
0.00000	0.00000	-0.81036	1			
			1923	-4.00000	6.00000	99.75000
0.00000	0.00000	-0.64690	1			
			1924	-3.00000	6.00000	99.75000
0.00000	0.00000	-0.49712	1			
			1925	-2.00000	6.00000	99.75000
0.00000	0.00000	-0.39165	1			
			1926	-1.00000	6.00000	99.75000
0.00000	0.00000	-0.31441	1			
			1927	0.00000	6.00000	99.75000
0.00000	0.00000	-0.25615	1			
			1928	-40.00000	7.00000	99.75000
0.00000	0.00000	0.15791	1			
			1929	-39.00000	7.00000	99.75000
0.00000	0.00000	0.19267	1			
			1930	-38.00000	7.00000	99.75000
0.00000	0.00000	0.24013	1			
			1931	-37.00000	7.00000	99.75000
0.00000	0.00000	0.30787	1			
			1932	-36.00000	7.00000	99.75000
0.00000	0.00000	0.40965	1			
			1933	-35.00000	7.00000	99.75000
0.00000	0.00000	0.57122	1			
			1934	-34.00000	7.00000	99.75000
0.00000	0.00000	0.83753	1			
			1935	-33.00000	7.00000	99.75000
0.00000	0.00000	1.24846	1			
			1936	-32.00000	7.00000	99.75000
0.00000	0.00000	1.64738	1			
			1937	-31.00000	7.00000	99.75000
0.00000	0.00000	1.66360	1			
			1938	-30.00000	7.00000	99.75000
0.00000	0.00000	1.45869	1			
			1939	-29.00000	7.00000	99.75000
0.00000	0.00000	1.27774	1			
			1940	-28.00000	7.00000	99.75000
0.00000	0.00000	1.14523	1			
			1941	-27.00000	7.00000	99.75000
0.00000	0.00000	1.04480	1			
			1942	-26.00000	7.00000	99.75000
0.00000	0.00000	0.96449	1			
			1943	-25.00000	7.00000	99.75000
0.00000	0.00000	0.90504	1			
			1944	-24.00000	7.00000	99.75000
0.00000	0.00000	0.88315	1			
			1945	-23.00000	7.00000	99.75000
0.00000	0.00000	0.90447	1			
			1946	-22.00000	7.00000	99.75000
0.00000	0.00000	0.97521	1			
			1947	-21.00000	7.00000	99.75000
0.00000	0.00000	1.09214	1			
			1948	-20.00000	7.00000	99.75000
0.00000	0.00000	1.18752	1			
			1949	-19.00000	7.00000	99.75000
0.00000	0.00000	1.12927	1			
			1950	-18.00000	7.00000	99.75000
0.00000	0.00000	0.93578	1			
			1951	-17.00000	7.00000	99.75000
0.00000	0.00000	0.64120	1			
			1952	-16.00000	7.00000	99.75000
0.00000	0.00000	0.30032	1			
			1953	-15.00000	7.00000	99.75000
0.00000	0.00000	0.01474	1			
			1954	-14.00000	7.00000	99.75000
0.00000	0.00000	-0.20386	1			
			1955	-13.00000	7.00000	99.75000
0.00000	0.00000	-0.38333	1			
			1956	-12.00000	7.00000	99.75000
0.00000	0.00000	-0.56401	1			
			1957	-11.00000	7.00000	99.75000
0.00000	0.00000	-0.78359	1			
			1958	-10.00000	7.00000	99.75000
0.00000	0.00000	-0.95613	1			
			1959	-9.00000	7.00000	99.75000
0.00000	0.00000	-1.01919	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	-1.00363	1960	-8.00000	7.00000	99.75000
0.00000	0.00000	-0.92830	1961	-7.00000	7.00000	99.75000
0.00000	0.00000	-0.80620	1962	-6.00000	7.00000	99.75000
0.00000	0.00000	-0.66080	1963	-5.00000	7.00000	99.75000
0.00000	0.00000	-0.52968	1964	-4.00000	7.00000	99.75000
0.00000	0.00000	-0.42616	1965	-3.00000	7.00000	99.75000
0.00000	0.00000	-0.34600	1966	-2.00000	7.00000	99.75000
0.00000	0.00000	-0.28372	1967	-1.00000	7.00000	99.75000
0.00000	0.00000	-0.23484	1968	0.00000	7.00000	99.75000
0.00000	0.00000	0.14748	1969	-40.00000	8.00000	99.75000
0.00000	0.00000	0.17827	1970	-39.00000	8.00000	99.75000
0.00000	0.00000	0.21909	1971	-38.00000	8.00000	99.75000
0.00000	0.00000	0.27465	1972	-37.00000	8.00000	99.75000
0.00000	0.00000	0.35200	1973	-36.00000	8.00000	99.75000
0.00000	0.00000	0.46042	1974	-35.00000	8.00000	99.75000
0.00000	0.00000	0.60679	1975	-34.00000	8.00000	99.75000
0.00000	0.00000	0.77721	1976	-33.00000	8.00000	99.75000
0.00000	0.00000	0.91102	1977	-32.00000	8.00000	99.75000
0.00000	0.00000	0.94096	1978	-31.00000	8.00000	99.75000
0.00000	0.00000	0.88481	1979	-30.00000	8.00000	99.75000
0.00000	0.00000	0.80194	1980	-29.00000	8.00000	99.75000
0.00000	0.00000	0.72292	1981	-28.00000	8.00000	99.75000
0.00000	0.00000	0.65523	1982	-27.00000	8.00000	99.75000
0.00000	0.00000	0.60036	1983	-26.00000	8.00000	99.75000
0.00000	0.00000	0.56086	1984	-25.00000	8.00000	99.75000
0.00000	0.00000	0.54064	1985	-24.00000	8.00000	99.75000
0.00000	0.00000	0.54209	1986	-23.00000	8.00000	99.75000
0.00000	0.00000	0.56307	1987	-22.00000	8.00000	99.75000
0.00000	0.00000	0.59109	1988	-21.00000	8.00000	99.75000
0.00000	0.00000	0.59659	1989	-20.00000	8.00000	99.75000
0.00000	0.00000	0.54665	1990	-19.00000	8.00000	99.75000
0.00000	0.00000	0.43446	1991	-18.00000	8.00000	99.75000
0.00000	0.00000	0.27386	1992	-17.00000	8.00000	99.75000
0.00000	0.00000	0.09159	1993	-16.00000	8.00000	99.75000
0.00000	0.00000	-0.08154	1994	-15.00000	8.00000	99.75000
0.00000	0.00000	-0.23159	1995	-14.00000	8.00000	99.75000
0.00000	0.00000	-0.36120	1996	-13.00000	8.00000	99.75000
0.00000	0.00000	-0.47924	1997	-12.00000	8.00000	99.75000
			1998	-11.00000	8.00000	99.75000



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Ground Movement Assessment
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Set:				Result: Coordinates:				
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:		
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	-0.58735	1	1999	-10.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.66793	1	2000	-9.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.70462	1	2001	-8.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.69859	1	2002	-7.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.65734	1	2003	-6.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.59026	1	2004	-5.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.51005	1	2005	-4.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.43053	1	2006	-3.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.36010	1	2007	-2.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.30090	1	2008	-1.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.25216	1	2009	0.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.21226	1	2010	-40.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.13557	1	2011	-39.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.16181	1	2012	-38.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.19532	1	2013	-37.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.23855	1	2014	-36.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.29426	1	2015	-35.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.36438	1	2016	-34.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.44669	1	2017	-33.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.52942	1	2018	-32.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.59021	1	2019	-31.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.61033	1	2020	-30.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.59204	1	2021	-29.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.55237	1	2022	-28.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.50634	1	2023	-27.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.46211	1	2024	-26.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.42371	1	2025	-25.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.39377	1	2026	-24.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.37407	1	2027	-23.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.36461	1	2028	-22.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.36205	1	2029	-21.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.35806	1	2030	-20.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.33972	1	2031	-19.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.29504	1	2032	-18.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.22018	1	2033	-17.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.12067	1	2034	-16.00000	9.00000	99.75000
0.00000	0.00000	0.00000	0.00836	1	2035	-15.00000	9.00000	99.75000
0.00000	0.00000	0.00000	-0.10363	1	2036	-14.00000	9.00000	99.75000
0.00000	0.00000	0.00000	-0.20675	1				



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Set: Displacements: Ref. x	Set: Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	z
0.00000	0.00000	-0.29822	1	2037	-13.00000	9.00000	99.75000
0.00000	0.00000	-0.37793	1	2038	-12.00000	9.00000	99.75000
0.00000	0.00000	-0.44402	1	2039	-11.00000	9.00000	99.75000
0.00000	0.00000	-0.49103	1	2040	-10.00000	9.00000	99.75000
0.00000	0.00000	-0.51400	1	2041	-9.00000	9.00000	99.75000
0.00000	0.00000	-0.51240	1	2042	-8.00000	9.00000	99.75000
0.00000	0.00000	-0.48936	1	2043	-7.00000	9.00000	99.75000
0.00000	0.00000	-0.45023	1	2044	-6.00000	9.00000	99.75000
0.00000	0.00000	-0.40180	1	2045	-5.00000	9.00000	99.75000
0.00000	0.00000	-0.35090	1	2046	-4.00000	9.00000	99.75000
0.00000	0.00000	-0.30254	1	2047	-3.00000	9.00000	99.75000
0.00000	0.00000	-0.25926	1	2048	-2.00000	9.00000	99.75000
0.00000	0.00000	-0.22174	1	2049	-1.00000	9.00000	99.75000
0.00000	0.00000	-0.18977	1	2050	0.00000	9.00000	99.75000
0.00000	0.00000	0.12298	1	2051	-40.00000	10.00000	99.75000
0.00000	0.00000	0.14470	1	2052	-39.00000	10.00000	99.75000
0.00000	0.00000	0.17138	1	2053	-38.00000	10.00000	99.75000
0.00000	0.00000	0.20403	1	2054	-37.00000	10.00000	99.75000
0.00000	0.00000	0.24334	1	2055	-36.00000	10.00000	99.75000
0.00000	0.00000	0.28884	1	2056	-35.00000	10.00000	99.75000
0.00000	0.00000	0.33745	1	2057	-34.00000	10.00000	99.75000
0.00000	0.00000	0.38246	1	2058	-33.00000	10.00000	99.75000
0.00000	0.00000	0.41468	1	2059	-32.00000	10.00000	99.75000
0.00000	0.00000	0.42734	1	2060	-31.00000	10.00000	99.75000
0.00000	0.00000	0.42048	1	2061	-30.00000	10.00000	99.75000
0.00000	0.00000	0.39983	1	2062	-29.00000	10.00000	99.75000
0.00000	0.00000	0.37233	1	2063	-28.00000	10.00000	99.75000
0.00000	0.00000	0.34324	1	2064	-27.00000	10.00000	99.75000
0.00000	0.00000	0.31598	1	2065	-26.00000	10.00000	99.75000
0.00000	0.00000	0.29261	1	2066	-25.00000	10.00000	99.75000
0.00000	0.00000	0.27410	1	2067	-24.00000	10.00000	99.75000
0.00000	0.00000	0.25990	1	2068	-23.00000	10.00000	99.75000
0.00000	0.00000	0.24751	1	2069	-22.00000	10.00000	99.75000
0.00000	0.00000	0.23221	1	2070	-21.00000	10.00000	99.75000
0.00000	0.00000	0.20797	1	2071	-20.00000	10.00000	99.75000
0.00000	0.00000	0.16969	1	2072	-19.00000	10.00000	99.75000
0.00000	0.00000	0.11567	1	2073	-18.00000	10.00000	99.75000
0.00000	0.00000	0.04840	1	2074	-17.00000	10.00000	99.75000
				2075	-16.00000	10.00000	99.75000



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Ground Movement Assessment
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates:					
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:		
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	-0.02652	1	2076	-15.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.10262	1	2077	-14.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.17471	1	2078	-13.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.23961	1	2079	-12.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.29543	1	2080	-11.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.34022	1	2081	-10.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.37162	1	2082	-9.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.38781	1	2083	-8.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.38860	1	2084	-7.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.37565	1	2085	-6.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.35197	1	2086	-5.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.32136	1	2087	-4.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.28766	1	2088	-3.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.25397	1	2089	-2.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.22230	1	2090	-1.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.19364	1	2091	0.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.16831	1	2092	-40.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.11041	1	2093	-39.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.12804	1	2094	-38.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.14888	1	2095	-37.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.17322	1	2096	-36.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.20092	1	2097	-35.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.23099	1	2098	-34.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.26112	1	2099	-33.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.28763	1	2100	-32.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.30633	1	2101	-31.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.31428	1	2102	-30.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.31125	1	2103	-29.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.29945	1	2104	-28.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.28216	1	2105	-27.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.26241	1	2106	-26.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.24251	1	2107	-25.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.22387	1	2108	-24.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.20706	1	2109	-23.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.19163	1	2110	-22.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.17600	1	2111	-21.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.15762	1	2112	-20.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.13353	1	2113	-19.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.10144	1				



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Ground Movement Assessment
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates: Coordinates: Coordinates:				
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.		Name					
x	y	z					
0.00000	0.00000	0.06064	1	2114	-18.00000	11.00000	99.75000
0.00000	0.00000	0.01243	1	2115	-17.00000	11.00000	99.75000
0.00000	0.00000	-0.04030	1	2116	-16.00000	11.00000	99.75000
0.00000	0.00000	-0.09405	1	2117	-15.00000	11.00000	99.75000
0.00000	0.00000	-0.14557	1	2118	-14.00000	11.00000	99.75000
0.00000	0.00000	-0.19238	1	2119	-13.00000	11.00000	99.75000
0.00000	0.00000	-0.23260	1	2120	-12.00000	11.00000	99.75000
0.00000	0.00000	-0.26469	1	2121	-11.00000	11.00000	99.75000
0.00000	0.00000	-0.28733	1	2122	-10.00000	11.00000	99.75000
0.00000	0.00000	-0.29969	1	2123	-9.00000	11.00000	99.75000
0.00000	0.00000	-0.30182	1	2124	-8.00000	11.00000	99.75000
0.00000	0.00000	-0.29468	1	2125	-7.00000	11.00000	99.75000
0.00000	0.00000	-0.28005	1	2126	-6.00000	11.00000	99.75000
0.00000	0.00000	-0.26016	1	2127	-5.00000	11.00000	99.75000
0.00000	0.00000	-0.23732	1	2128	-4.00000	11.00000	99.75000
0.00000	0.00000	-0.21352	1	2129	-3.00000	11.00000	99.75000
0.00000	0.00000	-0.19024	1	2130	-2.00000	11.00000	99.75000
0.00000	0.00000	-0.16840	1	2131	-1.00000	11.00000	99.75000
0.00000	0.00000	-0.14846	1	2132	0.00000	11.00000	99.75000
0.00000	0.00000	0.09838	1	2133	-40.00000	12.00000	99.75000
0.00000	0.00000	0.11250	1	2134	-39.00000	12.00000	99.75000
0.00000	0.00000	0.12863	1	2135	-38.00000	12.00000	99.75000
0.00000	0.00000	0.14671	1	2136	-37.00000	12.00000	99.75000
0.00000	0.00000	0.16637	1	2137	-36.00000	12.00000	99.75000
0.00000	0.00000	0.18670	1	2138	-35.00000	12.00000	99.75000
0.00000	0.00000	0.20615	1	2139	-34.00000	12.00000	99.75000
0.00000	0.00000	0.22266	1	2140	-33.00000	12.00000	99.75000
0.00000	0.00000	0.23413	1	2141	-32.00000	12.00000	99.75000
0.00000	0.00000	0.23913	1	2142	-31.00000	12.00000	99.75000
0.00000	0.00000	0.23743	1	2143	-30.00000	12.00000	99.75000
0.00000	0.00000	0.23000	1	2144	-29.00000	12.00000	99.75000
0.00000	0.00000	0.21843	1	2145	-28.00000	12.00000	99.75000
0.00000	0.00000	0.20442	1	2146	-27.00000	12.00000	99.75000
0.00000	0.00000	0.18940	1	2147	-26.00000	12.00000	99.75000
0.00000	0.00000	0.17427	1	2148	-25.00000	12.00000	99.75000
0.00000	0.00000	0.15939	1	2149	-24.00000	12.00000	99.75000
0.00000	0.00000	0.14449	1	2150	-23.00000	12.00000	99.75000
0.00000	0.00000	0.12866	1	2151	-22.00000	12.00000	99.75000
				2152	-21.00000	12.00000	99.75000



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Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:	
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.11055	1	2153	-20.00000	12.00000	99.75000
0.00000	0.00000	0.08870	1	2154	-19.00000	12.00000	99.75000
0.00000	0.00000	0.06204	1	2155	-18.00000	12.00000	99.75000
0.00000	0.00000	0.03035	1	2156	-17.00000	12.00000	99.75000
0.00000	0.00000	-0.00560	1	2157	-16.00000	12.00000	99.75000
0.00000	0.00000	-0.04419	1	2158	-15.00000	12.00000	99.75000
0.00000	0.00000	-0.08335	1	2159	-14.00000	12.00000	99.75000
0.00000	0.00000	-0.12104	1	2160	-13.00000	12.00000	99.75000
0.00000	0.00000	-0.15545	1	2161	-12.00000	12.00000	99.75000
0.00000	0.00000	-0.18513	1	2162	-11.00000	12.00000	99.75000
0.00000	0.00000	-0.20893	1	2163	-10.00000	12.00000	99.75000
0.00000	0.00000	-0.22601	1	2164	-9.00000	12.00000	99.75000
0.00000	0.00000	-0.23591	1	2165	-8.00000	12.00000	99.75000
0.00000	0.00000	-0.23869	1	2166	-7.00000	12.00000	99.75000
0.00000	0.00000	-0.23499	1	2167	-6.00000	12.00000	99.75000
0.00000	0.00000	-0.22588	1	2168	-5.00000	12.00000	99.75000
0.00000	0.00000	-0.21273	1	2169	-4.00000	12.00000	99.75000
0.00000	0.00000	-0.19699	1	2170	-3.00000	12.00000	99.75000
0.00000	0.00000	-0.17999	1	2171	-2.00000	12.00000	99.75000
0.00000	0.00000	-0.16278	1	2172	-1.00000	12.00000	99.75000
0.00000	0.00000	-0.14612	1	2173	0.00000	12.00000	99.75000
0.00000	0.00000	-0.13047	1	2174	-40.00000	13.00000	99.75000
0.00000	0.00000	0.08718	1	2175	-39.00000	13.00000	99.75000
0.00000	0.00000	0.09841	1	2176	-38.00000	13.00000	99.75000
0.00000	0.00000	0.11086	1	2177	-37.00000	13.00000	99.75000
0.00000	0.00000	0.12433	1	2178	-36.00000	13.00000	99.75000
0.00000	0.00000	0.13844	1	2179	-35.00000	13.00000	99.75000
0.00000	0.00000	0.15248	1	2180	-34.00000	13.00000	99.75000
0.00000	0.00000	0.16544	1	2181	-33.00000	13.00000	99.75000
0.00000	0.00000	0.17613	1	2182	-32.00000	13.00000	99.75000
0.00000	0.00000	0.18341	1	2183	-31.00000	13.00000	99.75000
0.00000	0.00000	0.18651	1	2184	-30.00000	13.00000	99.75000
0.00000	0.00000	0.18526	1	2185	-29.00000	13.00000	99.75000
0.00000	0.00000	0.18010	1	2186	-28.00000	13.00000	99.75000
0.00000	0.00000	0.17185	1	2187	-27.00000	13.00000	99.75000
0.00000	0.00000	0.16144	1	2188	-26.00000	13.00000	99.75000
0.00000	0.00000	0.14973	1	2189	-25.00000	13.00000	99.75000
0.00000	0.00000	0.13727	1	2190	-24.00000	13.00000	99.75000
0.00000	0.00000	0.12432	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.11072	2191	-23.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.09600	2192	-22.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.07947	2193	-21.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.06041	2194	-20.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.03835	2195	-19.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.01327	2196	-18.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.01430	2197	-17.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.04336	2198	-16.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.07265	2199	-15.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.10082	2200	-14.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.12662	2201	-13.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.14899	2202	-12.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.16709	2203	-11.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.18035	2204	-10.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.18847	2205	-9.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.19151	2206	-8.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.18987	2207	-7.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.18422	2208	-6.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.17544	2209	-5.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.16447	2210	-4.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.15221	2211	-3.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.13941	2212	-2.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.12666	2213	-1.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.11438	2214	0.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.07698	2215	-40.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.08589	2216	-39.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.09549	2217	-38.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.10558	2218	-37.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.11582	2219	-36.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.12570	2220	-35.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.13456	2221	-34.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.14166	2222	-33.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.14636	2223	-32.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.14821	2224	-31.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.14708	2225	-30.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.14318	2226	-29.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.13694	2227	-28.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.12888	2228	-27.00000	14.00000	99.75000
				2229	-26.00000	14.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:	
Ref.		Name	Ref.	x	y	z	
x	y	z					
0.00000	0.00000	0.11948	1	2230	-25.00000	14.00000	99.75000
0.00000	0.00000	0.10912	1	2231	-24.00000	14.00000	99.75000
0.00000	0.00000	0.09795	1	2232	-23.00000	14.00000	99.75000
0.00000	0.00000	0.08592	1	2233	-22.00000	14.00000	99.75000
0.00000	0.00000	0.07279	1	2234	-21.00000	14.00000	99.75000
0.00000	0.00000	0.05824	1	2235	-20.00000	14.00000	99.75000
0.00000	0.00000	0.04193	1	2236	-19.00000	14.00000	99.75000
0.00000	0.00000	0.02368	1	2237	-18.00000	14.00000	99.75000
0.00000	0.00000	0.00358	1	2238	-17.00000	14.00000	99.75000
0.00000	0.00000	-0.01799	1	2239	-16.00000	14.00000	99.75000
0.00000	0.00000	-0.04039	1	2240	-15.00000	14.00000	99.75000
0.00000	0.00000	-0.06278	1	2241	-14.00000	14.00000	99.75000
0.00000	0.00000	-0.08426	1	2242	-13.00000	14.00000	99.75000
0.00000	0.00000	-0.10396	1	2243	-12.00000	14.00000	99.75000
0.00000	0.00000	-0.12113	1	2244	-11.00000	14.00000	99.75000
0.00000	0.00000	-0.13518	1	2245	-10.00000	14.00000	99.75000
0.00000	0.00000	-0.14568	1	2246	-9.00000	14.00000	99.75000
0.00000	0.00000	-0.15244	1	2247	-8.00000	14.00000	99.75000
0.00000	0.00000	-0.15549	1	2248	-7.00000	14.00000	99.75000
0.00000	0.00000	-0.15508	1	2249	-6.00000	14.00000	99.75000
0.00000	0.00000	-0.15164	1	2250	-5.00000	14.00000	99.75000
0.00000	0.00000	-0.14576	1	2251	-4.00000	14.00000	99.75000
0.00000	0.00000	-0.13805	1	2252	-3.00000	14.00000	99.75000
0.00000	0.00000	-0.12913	1	2253	-2.00000	14.00000	99.75000
0.00000	0.00000	-0.11956	1	2254	-1.00000	14.00000	99.75000
0.00000	0.00000	-0.10978	1	2255	0.00000	14.00000	99.75000
0.00000	0.00000	-0.10014	1	2256	-40.00000	15.00000	99.75000
0.00000	0.00000	0.06782	1	2257	-39.00000	15.00000	99.75000
0.00000	0.00000	0.07488	1	2258	-38.00000	15.00000	99.75000
0.00000	0.00000	0.08230	1	2259	-37.00000	15.00000	99.75000
0.00000	0.00000	0.08991	1	2260	-36.00000	15.00000	99.75000
0.00000	0.00000	0.09743	1	2261	-35.00000	15.00000	99.75000
0.00000	0.00000	0.10448	1	2262	-34.00000	15.00000	99.75000
0.00000	0.00000	0.11064	1	2263	-33.00000	15.00000	99.75000
0.00000	0.00000	0.11544	1	2264	-32.00000	15.00000	99.75000
0.00000	0.00000	0.11848	1	2265	-31.00000	15.00000	99.75000
0.00000	0.00000	0.11949	1	2266	-30.00000	15.00000	99.75000
0.00000	0.00000	0.11838	1	2267	-29.00000	15.00000	99.75000
0.00000	0.00000	0.11523	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates: Coordinates: Coordinates:				
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.		Name					
x	y	z					
0.00000	0.00000	0.11027	1	2268	-28.00000	15.00000	99.75000
0.00000	0.00000	0.10380	1	2269	-27.00000	15.00000	99.75000
0.00000	0.00000	0.09610	1	2270	-26.00000	15.00000	99.75000
0.00000	0.00000	0.08740	1	2271	-25.00000	15.00000	99.75000
0.00000	0.00000	0.07782	1	2272	-24.00000	15.00000	99.75000
0.00000	0.00000	0.06735	1	2273	-23.00000	15.00000	99.75000
0.00000	0.00000	0.05591	1	2274	-22.00000	15.00000	99.75000
0.00000	0.00000	0.04334	1	2275	-21.00000	15.00000	99.75000
0.00000	0.00000	0.02952	1	2276	-20.00000	15.00000	99.75000
0.00000	0.00000	0.01441	1	2277	-19.00000	15.00000	99.75000
0.00000	0.00000	-0.00186	1	2278	-18.00000	15.00000	99.75000
0.00000	0.00000	-0.01901	1	2279	-17.00000	15.00000	99.75000
0.00000	0.00000	-0.03658	1	2280	-16.00000	15.00000	99.75000
0.00000	0.00000	-0.05400	1	2281	-15.00000	15.00000	99.75000
0.00000	0.00000	-0.07067	1	2282	-14.00000	15.00000	99.75000
0.00000	0.00000	-0.08597	1	2283	-13.00000	15.00000	99.75000
0.00000	0.00000	-0.09938	1	2284	-12.00000	15.00000	99.75000
0.00000	0.00000	-0.11046	1	2285	-11.00000	15.00000	99.75000
0.00000	0.00000	-0.11891	1	2286	-10.00000	15.00000	99.75000
0.00000	0.00000	-0.12459	1	2287	-9.00000	15.00000	99.75000
0.00000	0.00000	-0.12751	1	2288	-8.00000	15.00000	99.75000
0.00000	0.00000	-0.12782	1	2289	-7.00000	15.00000	99.75000
0.00000	0.00000	-0.12582	1	2290	-6.00000	15.00000	99.75000
0.00000	0.00000	-0.12188	1	2291	-5.00000	15.00000	99.75000
0.00000	0.00000	-0.11643	1	2292	-4.00000	15.00000	99.75000
0.00000	0.00000	-0.10991	1	2293	-3.00000	15.00000	99.75000
0.00000	0.00000	-0.10272	1	2294	-2.00000	15.00000	99.75000
0.00000	0.00000	-0.09519	1	2295	-1.00000	15.00000	99.75000
0.00000	0.00000	-0.08761	1	2296	0.00000	15.00000	99.75000
0.00000	0.00000	0.05967	1	2297	-40.00000	16.00000	99.75000
0.00000	0.00000	0.06527	1	2298	-39.00000	16.00000	99.75000
0.00000	0.00000	0.07103	1	2299	-38.00000	16.00000	99.75000
0.00000	0.00000	0.07680	1	2300	-37.00000	16.00000	99.75000
0.00000	0.00000	0.08237	1	2301	-36.00000	16.00000	99.75000
0.00000	0.00000	0.08747	1	2302	-35.00000	16.00000	99.75000
0.00000	0.00000	0.09181	1	2303	-34.00000	16.00000	99.75000
0.00000	0.00000	0.09507	1	2304	-33.00000	16.00000	99.75000
0.00000	0.00000	0.09702	1	2305	-32.00000	16.00000	99.75000
				2306	-31.00000	16.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.09746	2307	-30.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.09633	2308	-29.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.09366	2309	-28.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.08958	2310	-27.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.08424	2311	-26.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.07782	2312	-25.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.07047	2313	-24.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.06228	2314	-23.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.05326	2315	-22.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.04340	2316	-21.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.03265	2317	-20.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.02100	2318	-19.00000	16.00000	99.75000
0.00000	0.00000	0.00000	0.00847	2319	-18.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.00481	2320	-17.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.01860	2321	-16.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.03259	2322	-15.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.04636	2323	-14.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.05950	2324	-13.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.07156	2325	-12.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.08219	2326	-11.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.09105	2327	-10.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.09794	2328	-9.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.10274	2329	-8.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.10545	2330	-7.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.10618	2331	-6.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.10510	2332	-5.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.10249	2333	-4.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.09864	2334	-3.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.09385	2335	-2.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.08842	2336	-1.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.08261	2337	0.00000	16.00000	99.75000
0.00000	0.00000	0.00000	-0.07663	2338	-40.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.05247	2339	-39.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.05691	2340	-38.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.06140	2341	-37.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.06581	2342	-36.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.06997	2343	-35.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.07368	2344	-34.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.07676				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.07898	1	2345	-33.00000	17.00000	99.75000
0.00000	0.00000	0.08018	1	2346	-32.00000	17.00000	99.75000
0.00000	0.00000	0.08024	1	2347	-31.00000	17.00000	99.75000
0.00000	0.00000	0.07910	1	2348	-30.00000	17.00000	99.75000
0.00000	0.00000	0.07677	1	2349	-29.00000	17.00000	99.75000
0.00000	0.00000	0.07331	1	2350	-28.00000	17.00000	99.75000
0.00000	0.00000	0.06883	1	2351	-27.00000	17.00000	99.75000
0.00000	0.00000	0.06341	1	2352	-26.00000	17.00000	99.75000
0.00000	0.00000	0.05717	1	2353	-25.00000	17.00000	99.75000
0.00000	0.00000	0.05017	1	2354	-24.00000	17.00000	99.75000
0.00000	0.00000	0.04244	1	2355	-23.00000	17.00000	99.75000
0.00000	0.00000	0.03400	1	2356	-22.00000	17.00000	99.75000
0.00000	0.00000	0.02486	1	2357	-21.00000	17.00000	99.75000
0.00000	0.00000	0.01505	1	2358	-20.00000	17.00000	99.75000
0.00000	0.00000	0.00463	1	2359	-19.00000	17.00000	99.75000
0.00000	0.00000	-0.00627	1	2360	-18.00000	17.00000	99.75000
0.00000	0.00000	-0.01748	1	2361	-17.00000	17.00000	99.75000
0.00000	0.00000	-0.02874	1	2362	-16.00000	17.00000	99.75000
0.00000	0.00000	-0.03978	1	2363	-15.00000	17.00000	99.75000
0.00000	0.00000	-0.05027	1	2364	-14.00000	17.00000	99.75000
0.00000	0.00000	-0.05991	1	2365	-13.00000	17.00000	99.75000
0.00000	0.00000	-0.06844	1	2366	-12.00000	17.00000	99.75000
0.00000	0.00000	-0.07562	1	2367	-11.00000	17.00000	99.75000
0.00000	0.00000	-0.08129	1	2368	-10.00000	17.00000	99.75000
0.00000	0.00000	-0.08537	1	2369	-9.00000	17.00000	99.75000
0.00000	0.00000	-0.08785	1	2370	-8.00000	17.00000	99.75000
0.00000	0.00000	-0.08879	1	2371	-7.00000	17.00000	99.75000
0.00000	0.00000	-0.08832	1	2372	-6.00000	17.00000	99.75000
0.00000	0.00000	-0.08662	1	2373	-5.00000	17.00000	99.75000
0.00000	0.00000	-0.08390	1	2374	-4.00000	17.00000	99.75000
0.00000	0.00000	-0.08037	1	2375	-3.00000	17.00000	99.75000
0.00000	0.00000	-0.07626	1	2376	-2.00000	17.00000	99.75000
0.00000	0.00000	-0.07175	1	2377	-1.00000	17.00000	99.75000
0.00000	0.00000	-0.06703	1	2378	0.00000	17.00000	99.75000
0.00000	0.00000	0.04613	1	2379	-40.00000	18.00000	99.75000
0.00000	0.00000	0.04967	1	2380	-39.00000	18.00000	99.75000
0.00000	0.00000	0.05318	1	2381	-38.00000	18.00000	99.75000
0.00000	0.00000	0.05656	1	2382	-37.00000	18.00000	99.75000
				2383	-36.00000	18.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name	Ref.	x	y	z
x	y	z				
0.00000	0.00000	0.05968	1			
			2384	-35.00000	18.00000	99.75000
0.00000	0.00000	0.06240	1			
			2385	-34.00000	18.00000	99.75000
0.00000	0.00000	0.06459	1			
			2386	-33.00000	18.00000	99.75000
0.00000	0.00000	0.06608	1			
			2387	-32.00000	18.00000	99.75000
0.00000	0.00000	0.06678	1			
			2388	-31.00000	18.00000	99.75000
0.00000	0.00000	0.06658	1			
			2389	-30.00000	18.00000	99.75000
0.00000	0.00000	0.06545	1			
			2390	-29.00000	18.00000	99.75000
0.00000	0.00000	0.06338	1			
			2391	-28.00000	18.00000	99.75000
0.00000	0.00000	0.06040	1			
			2392	-27.00000	18.00000	99.75000
0.00000	0.00000	0.05657	1			
			2393	-26.00000	18.00000	99.75000
0.00000	0.00000	0.05197	1			
			2394	-25.00000	18.00000	99.75000
0.00000	0.00000	0.04664	1			
			2395	-24.00000	18.00000	99.75000
0.00000	0.00000	0.04065	1			
			2396	-23.00000	18.00000	99.75000
0.00000	0.00000	0.03404	1			
			2397	-22.00000	18.00000	99.75000
0.00000	0.00000	0.02684	1			
			2398	-21.00000	18.00000	99.75000
0.00000	0.00000	0.01909	1			
			2399	-20.00000	18.00000	99.75000
0.00000	0.00000	0.01084	1			
			2400	-19.00000	18.00000	99.75000
0.00000	0.00000	0.00215	1			
			2401	-18.00000	18.00000	99.75000
0.00000	0.00000	-0.00686	1			
			2402	-17.00000	18.00000	99.75000
0.00000	0.00000	-0.01604	1			
			2403	-16.00000	18.00000	99.75000
0.00000	0.00000	-0.02520	1			
			2404	-15.00000	18.00000	99.75000
0.00000	0.00000	-0.03414	1			
			2405	-14.00000	18.00000	99.75000
0.00000	0.00000	-0.04261	1			
			2406	-13.00000	18.00000	99.75000
0.00000	0.00000	-0.05041	1			
			2407	-12.00000	18.00000	99.75000
0.00000	0.00000	-0.05734	1			
			2408	-11.00000	18.00000	99.75000
0.00000	0.00000	-0.06321	1			
			2409	-10.00000	18.00000	99.75000
0.00000	0.00000	-0.06793	1			
			2410	-9.00000	18.00000	99.75000
0.00000	0.00000	-0.07141	1			
			2411	-8.00000	18.00000	99.75000
0.00000	0.00000	-0.07365	1			
			2412	-7.00000	18.00000	99.75000
0.00000	0.00000	-0.07469	1			
			2413	-6.00000	18.00000	99.75000
0.00000	0.00000	-0.07461	1			
			2414	-5.00000	18.00000	99.75000
0.00000	0.00000	-0.07353	1			
			2415	-4.00000	18.00000	99.75000
0.00000	0.00000	-0.07162	1			
			2416	-3.00000	18.00000	99.75000
0.00000	0.00000	-0.06901	1			
			2417	-2.00000	18.00000	99.75000
0.00000	0.00000	-0.06589	1			
			2418	-1.00000	18.00000	99.75000
0.00000	0.00000	-0.06239	1			
			2419	0.00000	18.00000	99.75000
0.00000	0.00000	-0.05865	1			
			2420	-40.00000	19.00000	99.75000
0.00000	0.00000	0.04056	1			
			2421	-39.00000	19.00000	99.75000
0.00000	0.00000	0.04339	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:			Result: Coordinates: Coordinates: Coordinates:				
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.		Name					
x	y	z					
0.00000	0.00000	0.04614	1	2422	-38.00000	19.00000	99.75000
0.00000	0.00000	0.04874	1	2423	-37.00000	19.00000	99.75000
0.00000	0.00000	0.05110	1	2424	-36.00000	19.00000	99.75000
0.00000	0.00000	0.05310	1	2425	-35.00000	19.00000	99.75000
0.00000	0.00000	0.05464	1	2426	-34.00000	19.00000	99.75000
0.00000	0.00000	0.05563	1	2427	-33.00000	19.00000	99.75000
0.00000	0.00000	0.05597	1	2428	-32.00000	19.00000	99.75000
0.00000	0.00000	0.05561	1	2429	-31.00000	19.00000	99.75000
0.00000	0.00000	0.05450	1	2430	-30.00000	19.00000	99.75000
0.00000	0.00000	0.05264	1	2431	-29.00000	19.00000	99.75000
0.00000	0.00000	0.05005	1	2432	-28.00000	19.00000	99.75000
0.00000	0.00000	0.04676	1	2433	-27.00000	19.00000	99.75000
0.00000	0.00000	0.04281	1	2434	-26.00000	19.00000	99.75000
0.00000	0.00000	0.03825	1	2435	-25.00000	19.00000	99.75000
0.00000	0.00000	0.03313	1	2436	-24.00000	19.00000	99.75000
0.00000	0.00000	0.02748	1	2437	-23.00000	19.00000	99.75000
0.00000	0.00000	0.02135	1	2438	-22.00000	19.00000	99.75000
0.00000	0.00000	0.01478	1	2439	-21.00000	19.00000	99.75000
0.00000	0.00000	0.00782	1	2440	-20.00000	19.00000	99.75000
0.00000	0.00000	0.00055	1	2441	-19.00000	19.00000	99.75000
0.00000	0.00000	-0.00693	1	2442	-18.00000	19.00000	99.75000
0.00000	0.00000	-0.01450	1	2443	-17.00000	19.00000	99.75000
0.00000	0.00000	-0.02202	1	2444	-16.00000	19.00000	99.75000
0.00000	0.00000	-0.02932	1	2445	-15.00000	19.00000	99.75000
0.00000	0.00000	-0.03624	1	2446	-14.00000	19.00000	99.75000
0.00000	0.00000	-0.04261	1	2447	-13.00000	19.00000	99.75000
0.00000	0.00000	-0.04829	1	2448	-12.00000	19.00000	99.75000
0.00000	0.00000	-0.05315	1	2449	-11.00000	19.00000	99.75000
0.00000	0.00000	-0.05709	1	2450	-10.00000	19.00000	99.75000
0.00000	0.00000	-0.06008	1	2451	-9.00000	19.00000	99.75000
0.00000	0.00000	-0.06208	1	2452	-8.00000	19.00000	99.75000
0.00000	0.00000	-0.06314	1	2453	-7.00000	19.00000	99.75000
0.00000	0.00000	-0.06331	1	2454	-6.00000	19.00000	99.75000
0.00000	0.00000	-0.06267	1	2455	-5.00000	19.00000	99.75000
0.00000	0.00000	-0.06133	1	2456	-4.00000	19.00000	99.75000
0.00000	0.00000	-0.05941	1	2457	-3.00000	19.00000	99.75000
0.00000	0.00000	-0.05703	1	2458	-2.00000	19.00000	99.75000
0.00000	0.00000	-0.05430	1	2459	-1.00000	19.00000	99.75000
				2460	0.00000	19.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.05134	1	2461	-40.00000	20.00000	99.75000
0.00000	0.00000	0.03568	1	2462	-39.00000	20.00000	99.75000
0.00000	0.00000	0.03794	1	2463	-38.00000	20.00000	99.75000
0.00000	0.00000	0.04011	1	2464	-37.00000	20.00000	99.75000
0.00000	0.00000	0.04212	1	2465	-36.00000	20.00000	99.75000
0.00000	0.00000	0.04390	1	2466	-35.00000	20.00000	99.75000
0.00000	0.00000	0.04537	1	2467	-34.00000	20.00000	99.75000
0.00000	0.00000	0.04645	1	2468	-33.00000	20.00000	99.75000
0.00000	0.00000	0.04708	1	2469	-32.00000	20.00000	99.75000
0.00000	0.00000	0.04718	1	2470	-31.00000	20.00000	99.75000
0.00000	0.00000	0.04671	1	2471	-30.00000	20.00000	99.75000
0.00000	0.00000	0.04564	1	2472	-29.00000	20.00000	99.75000
0.00000	0.00000	0.04397	1	2473	-28.00000	20.00000	99.75000
0.00000	0.00000	0.04169	1	2474	-27.00000	20.00000	99.75000
0.00000	0.00000	0.03884	1	2475	-26.00000	20.00000	99.75000
0.00000	0.00000	0.03544	1	2476	-25.00000	20.00000	99.75000
0.00000	0.00000	0.03153	1	2477	-24.00000	20.00000	99.75000
0.00000	0.00000	0.02714	1	2478	-23.00000	20.00000	99.75000
0.00000	0.00000	0.02231	1	2479	-22.00000	20.00000	99.75000
0.00000	0.00000	0.01709	1	2480	-21.00000	20.00000	99.75000
0.00000	0.00000	0.01151	1	2481	-20.00000	20.00000	99.75000
0.00000	0.00000	0.00564	1	2482	-19.00000	20.00000	99.75000
0.00000	0.00000	-0.00045	1	2483	-18.00000	20.00000	99.75000
0.00000	0.00000	-0.00669	1	2484	-17.00000	20.00000	99.75000
0.00000	0.00000	-0.01298	1	2485	-16.00000	20.00000	99.75000
0.00000	0.00000	-0.01919	1	2486	-15.00000	20.00000	99.75000
0.00000	0.00000	-0.02521	1	2487	-14.00000	20.00000	99.75000
0.00000	0.00000	-0.03091	1	2488	-13.00000	20.00000	99.75000
0.00000	0.00000	-0.03616	1	2489	-12.00000	20.00000	99.75000
0.00000	0.00000	-0.04085	1	2490	-11.00000	20.00000	99.75000
0.00000	0.00000	-0.04490	1	2491	-10.00000	20.00000	99.75000
0.00000	0.00000	-0.04823	1	2492	-9.00000	20.00000	99.75000
0.00000	0.00000	-0.05079	1	2493	-8.00000	20.00000	99.75000
0.00000	0.00000	-0.05258	1	2494	-7.00000	20.00000	99.75000
0.00000	0.00000	-0.05362	1	2495	-6.00000	20.00000	99.75000
0.00000	0.00000	-0.05393	1	2496	-5.00000	20.00000	99.75000
0.00000	0.00000	-0.05359	1	2497	-4.00000	20.00000	99.75000
0.00000	0.00000	-0.05267	1	2498	-3.00000	20.00000	99.75000
0.00000	0.00000	-0.05126	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Set: Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	z
0.00000	0.00000	-0.04944	1	2499	-2.00000	20.00000	99.75000
0.00000	0.00000	-0.04732	1	2500	-1.00000	20.00000	99.75000
0.00000	0.00000	-0.04496	1	2501	0.00000	20.00000	99.75000
0.00000	0.00000	0.03140	1	2502	-40.00000	21.00000	99.75000
0.00000	0.00000	0.03321	1	2503	-39.00000	21.00000	99.75000
0.00000	0.00000	0.03492	1	2504	-38.00000	21.00000	99.75000
0.00000	0.00000	0.03648	1	2505	-37.00000	21.00000	99.75000
0.00000	0.00000	0.03783	1	2506	-36.00000	21.00000	99.75000
0.00000	0.00000	0.03890	1	2507	-35.00000	21.00000	99.75000
0.00000	0.00000	0.03965	1	2508	-34.00000	21.00000	99.75000
0.00000	0.00000	0.04002	1	2509	-33.00000	21.00000	99.75000
0.00000	0.00000	0.03995	1	2510	-32.00000	21.00000	99.75000
0.00000	0.00000	0.03943	1	2511	-31.00000	21.00000	99.75000
0.00000	0.00000	0.03841	1	2512	-30.00000	21.00000	99.75000
0.00000	0.00000	0.03690	1	2513	-29.00000	21.00000	99.75000
0.00000	0.00000	0.03490	1	2514	-28.00000	21.00000	99.75000
0.00000	0.00000	0.03241	1	2515	-27.00000	21.00000	99.75000
0.00000	0.00000	0.02947	1	2516	-26.00000	21.00000	99.75000
0.00000	0.00000	0.02611	1	2517	-25.00000	21.00000	99.75000
0.00000	0.00000	0.02234	1	2518	-24.00000	21.00000	99.75000
0.00000	0.00000	0.01821	1	2519	-23.00000	21.00000	99.75000
0.00000	0.00000	0.01376	1	2520	-22.00000	21.00000	99.75000
0.00000	0.00000	0.00903	1	2521	-21.00000	21.00000	99.75000
0.00000	0.00000	0.00407	1	2522	-20.00000	21.00000	99.75000
0.00000	0.00000	-0.00106	1	2523	-19.00000	21.00000	99.75000
0.00000	0.00000	-0.00629	1	2524	-18.00000	21.00000	99.75000
0.00000	0.00000	-0.01154	1	2525	-17.00000	21.00000	99.75000
0.00000	0.00000	-0.01670	1	2526	-16.00000	21.00000	99.75000
0.00000	0.00000	-0.02170	1	2527	-15.00000	21.00000	99.75000
0.00000	0.00000	-0.02643	1	2528	-14.00000	21.00000	99.75000
0.00000	0.00000	-0.03079	1	2529	-13.00000	21.00000	99.75000
0.00000	0.00000	-0.03470	1	2530	-12.00000	21.00000	99.75000
0.00000	0.00000	-0.03809	1	2531	-11.00000	21.00000	99.75000
0.00000	0.00000	-0.04091	1	2532	-10.00000	21.00000	99.75000
0.00000	0.00000	-0.04313	1	2533	-9.00000	21.00000	99.75000
0.00000	0.00000	-0.04472	1	2534	-8.00000	21.00000	99.75000
0.00000	0.00000	-0.04570	1	2535	-7.00000	21.00000	99.75000
0.00000	0.00000	-0.04610	1	2536	-6.00000	21.00000	99.75000
				2537	-5.00000	21.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	-0.04597	1	2538	-4.00000	21.00000	99.75000
0.00000	0.00000	-0.04535	1	2539	-3.00000	21.00000	99.75000
0.00000	0.00000	-0.04431	1	2540	-2.00000	21.00000	99.75000
0.00000	0.00000	-0.04293	1	2541	-1.00000	21.00000	99.75000
0.00000	0.00000	-0.04126	1	2542	0.00000	21.00000	99.75000
0.00000	0.00000	-0.03938	1	2543	-40.00000	22.00000	99.75000
0.00000	0.00000	0.02766	1	2544	-39.00000	22.00000	99.75000
0.00000	0.00000	0.02911	1	2545	-38.00000	22.00000	99.75000
0.00000	0.00000	0.03046	1	2546	-37.00000	22.00000	99.75000
0.00000	0.00000	0.03167	1	2547	-36.00000	22.00000	99.75000
0.00000	0.00000	0.03268	1	2548	-35.00000	22.00000	99.75000
0.00000	0.00000	0.03347	1	2549	-34.00000	22.00000	99.75000
0.00000	0.00000	0.03397	1	2550	-33.00000	22.00000	99.75000
0.00000	0.00000	0.03415	1	2551	-32.00000	22.00000	99.75000
0.00000	0.00000	0.03398	1	2552	-31.00000	22.00000	99.75000
0.00000	0.00000	0.03343	1	2553	-30.00000	22.00000	99.75000
0.00000	0.00000	0.03247	1	2554	-29.00000	22.00000	99.75000
0.00000	0.00000	0.03111	1	2555	-28.00000	22.00000	99.75000
0.00000	0.00000	0.02934	1	2556	-27.00000	22.00000	99.75000
0.00000	0.00000	0.02717	1	2557	-26.00000	22.00000	99.75000
0.00000	0.00000	0.02462	1	2558	-25.00000	22.00000	99.75000
0.00000	0.00000	0.02172	1	2559	-24.00000	22.00000	99.75000
0.00000	0.00000	0.01848	1	2560	-23.00000	22.00000	99.75000
0.00000	0.00000	0.01495	1	2561	-22.00000	22.00000	99.75000
0.00000	0.00000	0.01115	1	2562	-21.00000	22.00000	99.75000
0.00000	0.00000	0.00712	1	2563	-20.00000	22.00000	99.75000
0.00000	0.00000	0.00292	1	2564	-19.00000	22.00000	99.75000
0.00000	0.00000	-0.00141	1	2565	-18.00000	22.00000	99.75000
0.00000	0.00000	-0.00581	1	2566	-17.00000	22.00000	99.75000
0.00000	0.00000	-0.01021	1	2567	-16.00000	22.00000	99.75000
0.00000	0.00000	-0.01453	1	2568	-15.00000	22.00000	99.75000
0.00000	0.00000	-0.01870	1	2569	-14.00000	22.00000	99.75000
0.00000	0.00000	-0.02265	1	2570	-13.00000	22.00000	99.75000
0.00000	0.00000	-0.02629	1	2571	-12.00000	22.00000	99.75000
0.00000	0.00000	-0.02958	1	2572	-11.00000	22.00000	99.75000
0.00000	0.00000	-0.03244	1	2573	-10.00000	22.00000	99.75000
0.00000	0.00000	-0.03484	1	2574	-9.00000	22.00000	99.75000
0.00000	0.00000	-0.03675	1	2575	-8.00000	22.00000	99.75000
0.00000	0.00000	-0.03817	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	-0.03909	2576	-7.00000	22.00000	99.75000
0.00000	0.00000	-0.03953	2577	-6.00000	22.00000	99.75000
0.00000	0.00000	-0.03953	2578	-5.00000	22.00000	99.75000
0.00000	0.00000	-0.03913	2579	-4.00000	22.00000	99.75000
0.00000	0.00000	-0.03837	2580	-3.00000	22.00000	99.75000
0.00000	0.00000	-0.03732	2581	-2.00000	22.00000	99.75000
0.00000	0.00000	-0.03601	2582	-1.00000	22.00000	99.75000
0.00000	0.00000	-0.03451	2583	0.00000	22.00000	99.75000
0.00000	0.00000	0.02437	2584	-40.00000	23.00000	99.75000
0.00000	0.00000	0.02554	2585	-39.00000	23.00000	99.75000
0.00000	0.00000	0.02661	2586	-38.00000	23.00000	99.75000
0.00000	0.00000	0.02754	2587	-37.00000	23.00000	99.75000
0.00000	0.00000	0.02831	2588	-36.00000	23.00000	99.75000
0.00000	0.00000	0.02887	2589	-35.00000	23.00000	99.75000
0.00000	0.00000	0.02920	2590	-34.00000	23.00000	99.75000
0.00000	0.00000	0.02925	2591	-33.00000	23.00000	99.75000
0.00000	0.00000	0.02901	2592	-32.00000	23.00000	99.75000
0.00000	0.00000	0.02845	2593	-31.00000	23.00000	99.75000
0.00000	0.00000	0.02756	2594	-30.00000	23.00000	99.75000
0.00000	0.00000	0.02633	2595	-29.00000	23.00000	99.75000
0.00000	0.00000	0.02476	2596	-28.00000	23.00000	99.75000
0.00000	0.00000	0.02287	2597	-27.00000	23.00000	99.75000
0.00000	0.00000	0.02066	2598	-26.00000	23.00000	99.75000
0.00000	0.00000	0.01815	2599	-25.00000	23.00000	99.75000
0.00000	0.00000	0.01536	2600	-24.00000	23.00000	99.75000
0.00000	0.00000	0.01233	2601	-23.00000	23.00000	99.75000
0.00000	0.00000	0.00908	2602	-22.00000	23.00000	99.75000
0.00000	0.00000	0.00565	2603	-21.00000	23.00000	99.75000
0.00000	0.00000	0.00208	2604	-20.00000	23.00000	99.75000
0.00000	0.00000	-0.00158	2605	-19.00000	23.00000	99.75000
0.00000	0.00000	-0.00530	2606	-18.00000	23.00000	99.75000
0.00000	0.00000	-0.00900	2607	-17.00000	23.00000	99.75000
0.00000	0.00000	-0.01263	2608	-16.00000	23.00000	99.75000
0.00000	0.00000	-0.01613	2609	-15.00000	23.00000	99.75000
0.00000	0.00000	-0.01945	2610	-14.00000	23.00000	99.75000
0.00000	0.00000	-0.02251	2611	-13.00000	23.00000	99.75000
0.00000	0.00000	-0.02528	2612	-12.00000	23.00000	99.75000
0.00000	0.00000	-0.02771	2613	-11.00000	23.00000	99.75000
			2614	-10.00000	23.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.02976	1	2615	-9.00000	23.00000	99.75000
0.00000	0.00000	-0.03142	1	2616	-8.00000	23.00000	99.75000
0.00000	0.00000	-0.03267	1	2617	-7.00000	23.00000	99.75000
0.00000	0.00000	-0.03352	1	2618	-6.00000	23.00000	99.75000
0.00000	0.00000	-0.03398	1	2619	-5.00000	23.00000	99.75000
0.00000	0.00000	-0.03407	1	2620	-4.00000	23.00000	99.75000
0.00000	0.00000	-0.03383	1	2621	-3.00000	23.00000	99.75000
0.00000	0.00000	-0.03328	1	2622	-2.00000	23.00000	99.75000
0.00000	0.00000	-0.03248	1	2623	-1.00000	23.00000	99.75000
0.00000	0.00000	-0.03145	1	2624	0.00000	23.00000	99.75000
0.00000	0.00000	-0.03025	1	2625	-40.00000	24.00000	99.75000
0.00000	0.00000	0.02149	1	2626	-39.00000	24.00000	99.75000
0.00000	0.00000	0.02243	1	2627	-38.00000	24.00000	99.75000
0.00000	0.00000	0.02328	1	2628	-37.00000	24.00000	99.75000
0.00000	0.00000	0.02400	1	2629	-36.00000	24.00000	99.75000
0.00000	0.00000	0.02458	1	2630	-35.00000	24.00000	99.75000
0.00000	0.00000	0.02498	1	2631	-34.00000	24.00000	99.75000
0.00000	0.00000	0.02517	1	2632	-33.00000	24.00000	99.75000
0.00000	0.00000	0.02513	1	2633	-32.00000	24.00000	99.75000
0.00000	0.00000	0.02485	1	2634	-31.00000	24.00000	99.75000
0.00000	0.00000	0.02430	1	2635	-30.00000	24.00000	99.75000
0.00000	0.00000	0.02348	1	2636	-29.00000	24.00000	99.75000
0.00000	0.00000	0.02237	1	2637	-28.00000	24.00000	99.75000
0.00000	0.00000	0.02098	1	2638	-27.00000	24.00000	99.75000
0.00000	0.00000	0.01932	1	2639	-26.00000	24.00000	99.75000
0.00000	0.00000	0.01740	1	2640	-25.00000	24.00000	99.75000
0.00000	0.00000	0.01523	1	2641	-24.00000	24.00000	99.75000
0.00000	0.00000	0.01283	1	2642	-23.00000	24.00000	99.75000
0.00000	0.00000	0.01023	1	2643	-22.00000	24.00000	99.75000
0.00000	0.00000	0.00745	1	2644	-21.00000	24.00000	99.75000
0.00000	0.00000	0.00452	1	2645	-20.00000	24.00000	99.75000
0.00000	0.00000	0.00148	1	2646	-19.00000	24.00000	99.75000
0.00000	0.00000	-0.00164	1	2647	-18.00000	24.00000	99.75000
0.00000	0.00000	-0.00478	1	2648	-17.00000	24.00000	99.75000
0.00000	0.00000	-0.00791	1	2649	-16.00000	24.00000	99.75000
0.00000	0.00000	-0.01097	1	2650	-15.00000	24.00000	99.75000
0.00000	0.00000	-0.01393	1	2651	-14.00000	24.00000	99.75000
0.00000	0.00000	-0.01672	1	2652	-13.00000	24.00000	99.75000
0.00000	0.00000	-0.01931	1				



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref. x	Set: Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	z
0.00000	0.00000	-0.02166	1	2653	-12.00000	24.00000	99.75000
0.00000	0.00000	-0.02373	1	2654	-11.00000	24.00000	99.75000
0.00000	0.00000	-0.02549	1	2655	-10.00000	24.00000	99.75000
0.00000	0.00000	-0.02693	1	2656	-9.00000	24.00000	99.75000
0.00000	0.00000	-0.02804	1	2657	-8.00000	24.00000	99.75000
0.00000	0.00000	-0.02881	1	2658	-7.00000	24.00000	99.75000
0.00000	0.00000	-0.02927	1	2659	-6.00000	24.00000	99.75000
0.00000	0.00000	-0.02942	1	2660	-5.00000	24.00000	99.75000
0.00000	0.00000	-0.02929	1	2661	-4.00000	24.00000	99.75000
0.00000	0.00000	-0.02890	1	2662	-3.00000	24.00000	99.75000
0.00000	0.00000	-0.02829	1	2663	-2.00000	24.00000	99.75000
0.00000	0.00000	-0.02748	1	2664	-1.00000	24.00000	99.75000
0.00000	0.00000	-0.02652	1	2665	0.00000	24.00000	99.75000
0.00000	0.00000	0.01896	1	2666	-40.00000	25.00000	99.75000
0.00000	0.00000	0.01972	1	2667	-39.00000	25.00000	99.75000
0.00000	0.00000	0.02039	1	2668	-38.00000	25.00000	99.75000
0.00000	0.00000	0.02095	1	2669	-37.00000	25.00000	99.75000
0.00000	0.00000	0.02138	1	2670	-36.00000	25.00000	99.75000
0.00000	0.00000	0.02166	1	2671	-35.00000	25.00000	99.75000
0.00000	0.00000	0.02175	1	2672	-34.00000	25.00000	99.75000
0.00000	0.00000	0.02166	1	2673	-33.00000	25.00000	99.75000
0.00000	0.00000	0.02135	1	2674	-32.00000	25.00000	99.75000
0.00000	0.00000	0.02082	1	2675	-31.00000	25.00000	99.75000
0.00000	0.00000	0.02007	1	2676	-30.00000	25.00000	99.75000
0.00000	0.00000	0.01907	1	2677	-29.00000	25.00000	99.75000
0.00000	0.00000	0.01785	1	2678	-28.00000	25.00000	99.75000
0.00000	0.00000	0.01639	1	2679	-27.00000	25.00000	99.75000
0.00000	0.00000	0.01472	1	2680	-26.00000	25.00000	99.75000
0.00000	0.00000	0.01283	1	2681	-25.00000	25.00000	99.75000
0.00000	0.00000	0.01076	1	2682	-24.00000	25.00000	99.75000
0.00000	0.00000	0.00852	1	2683	-23.00000	25.00000	99.75000
0.00000	0.00000	0.00614	1	2684	-22.00000	25.00000	99.75000
0.00000	0.00000	0.00363	1	2685	-21.00000	25.00000	99.75000
0.00000	0.00000	0.00104	1	2686	-20.00000	25.00000	99.75000
0.00000	0.00000	-0.00161	1	2687	-19.00000	25.00000	99.75000
0.00000	0.00000	-0.00428	1	2688	-18.00000	25.00000	99.75000
0.00000	0.00000	-0.00693	1	2689	-17.00000	25.00000	99.75000
0.00000	0.00000	-0.00953	1	2690	-16.00000	25.00000	99.75000
				2691	-15.00000	25.00000	99.75000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set:			Result: Coordinates:			
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name	Ref.	x	y	z
x	y	z				
0.00000	0.00000	-0.01203	1			
			2692	-14.00000	25.00000	99.75000
0.00000	0.00000	-0.01440	1			
			2693	-13.00000	25.00000	99.75000
0.00000	0.00000	-0.01660	1			
			2694	-12.00000	25.00000	99.75000
0.00000	0.00000	-0.01860	1			
			2695	-11.00000	25.00000	99.75000
0.00000	0.00000	-0.02036	1			
			2696	-10.00000	25.00000	99.75000
0.00000	0.00000	-0.02188	1			
			2697	-9.00000	25.00000	99.75000
0.00000	0.00000	-0.02313	1			
			2698	-8.00000	25.00000	99.75000
0.00000	0.00000	-0.02411	1			
			2699	-7.00000	25.00000	99.75000
0.00000	0.00000	-0.02482	1			
			2700	-6.00000	25.00000	99.75000
0.00000	0.00000	-0.02526	1			
			2701	-5.00000	25.00000	99.75000
0.00000	0.00000	-0.02544	1			
			2702	-4.00000	25.00000	99.75000
0.00000	0.00000	-0.02539	1			
			2703	-3.00000	25.00000	99.75000
0.00000	0.00000	-0.02512	1			
			2704	-2.00000	25.00000	99.75000
0.00000	0.00000	-0.02465	1			
			2705	-1.00000	25.00000	99.75000
0.00000	0.00000	-0.02402	1			
			2706	0.00000	25.00000	99.75000
0.00000	0.00000	-0.02325	1			
			2707	-40.00000	26.00000	99.75000
0.00000	0.00000	0.01674	1			
			2708	-39.00000	26.00000	99.75000
0.00000	0.00000	0.01735	1			
			2709	-38.00000	26.00000	99.75000
0.00000	0.00000	0.01789	1			
			2710	-37.00000	26.00000	99.75000
0.00000	0.00000	0.01832	1			
			2711	-36.00000	26.00000	99.75000
0.00000	0.00000	0.01863	1			
			2712	-35.00000	26.00000	99.75000
0.00000	0.00000	0.01882	1			
			2713	-34.00000	26.00000	99.75000
0.00000	0.00000	0.01885	1			
			2714	-33.00000	26.00000	99.75000
0.00000	0.00000	0.01871	1			
			2715	-32.00000	26.00000	99.75000
0.00000	0.00000	0.01840	1			
			2716	-31.00000	26.00000	99.75000
0.00000	0.00000	0.01790	1			
			2717	-30.00000	26.00000	99.75000
0.00000	0.00000	0.01721	1			
			2718	-29.00000	26.00000	99.75000
0.00000	0.00000	0.01632	1			
			2719	-28.00000	26.00000	99.75000
0.00000	0.00000	0.01523	1			
			2720	-27.00000	26.00000	99.75000
0.00000	0.00000	0.01395	1			
			2721	-26.00000	26.00000	99.75000
0.00000	0.00000	0.01249	1			
			2722	-25.00000	26.00000	99.75000
0.00000	0.00000	0.01086	1			
			2723	-24.00000	26.00000	99.75000
0.00000	0.00000	0.00907	1			
			2724	-23.00000	26.00000	99.75000
0.00000	0.00000	0.00714	1			
			2725	-22.00000	26.00000	99.75000
0.00000	0.00000	0.00509	1			
			2726	-21.00000	26.00000	99.75000
0.00000	0.00000	0.00295	1			
			2727	-20.00000	26.00000	99.75000
0.00000	0.00000	0.00073	1			
			2728	-19.00000	26.00000	99.75000
0.00000	0.00000	-0.00153	1			
			2729	-18.00000	26.00000	99.75000
0.00000	0.00000	-0.00381	1			



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	-0.00606	2730	-17.00000	26.00000	99.75000
0.00000	0.00000	-0.00827	2731	-16.00000	26.00000	99.75000
0.00000	0.00000	-0.01040	2732	-15.00000	26.00000	99.75000
0.00000	0.00000	-0.01241	2733	-14.00000	26.00000	99.75000
0.00000	0.00000	-0.01428	2734	-13.00000	26.00000	99.75000
0.00000	0.00000	-0.01599	2735	-12.00000	26.00000	99.75000
0.00000	0.00000	-0.01751	2736	-11.00000	26.00000	99.75000
0.00000	0.00000	-0.01882	2737	-10.00000	26.00000	99.75000
0.00000	0.00000	-0.01991	2738	-9.00000	26.00000	99.75000
0.00000	0.00000	-0.02077	2739	-8.00000	26.00000	99.75000
0.00000	0.00000	-0.02141	2740	-7.00000	26.00000	99.75000
0.00000	0.00000	-0.02182	2741	-6.00000	26.00000	99.75000
0.00000	0.00000	-0.02203	2742	-5.00000	26.00000	99.75000
0.00000	0.00000	-0.02203	2743	-4.00000	26.00000	99.75000
0.00000	0.00000	-0.02184	2744	-3.00000	26.00000	99.75000
0.00000	0.00000	-0.02149	2745	-2.00000	26.00000	99.75000
0.00000	0.00000	-0.02100	2746	-1.00000	26.00000	99.75000
0.00000	0.00000	-0.02037	2747	0.00000	26.00000	99.75000
0.00000	0.00000	0.01479	2748	-40.00000	27.00000	99.75000
0.00000	0.00000	0.01529	2749	-39.00000	27.00000	99.75000
0.00000	0.00000	0.01571	2750	-38.00000	27.00000	99.75000
0.00000	0.00000	0.01604	2751	-37.00000	27.00000	99.75000
0.00000	0.00000	0.01627	2752	-36.00000	27.00000	99.75000
0.00000	0.00000	0.01638	2753	-35.00000	27.00000	99.75000
0.00000	0.00000	0.01637	2754	-34.00000	27.00000	99.75000
0.00000	0.00000	0.01621	2755	-33.00000	27.00000	99.75000
0.00000	0.00000	0.01590	2756	-32.00000	27.00000	99.75000
0.00000	0.00000	0.01543	2757	-31.00000	27.00000	99.75000
0.00000	0.00000	0.01480	2758	-30.00000	27.00000	99.75000
0.00000	0.00000	0.01400	2759	-29.00000	27.00000	99.75000
0.00000	0.00000	0.01304	2760	-28.00000	27.00000	99.75000
0.00000	0.00000	0.01192	2761	-27.00000	27.00000	99.75000
0.00000	0.00000	0.01065	2762	-26.00000	27.00000	99.75000
0.00000	0.00000	0.00923	2763	-25.00000	27.00000	99.75000
0.00000	0.00000	0.00768	2764	-24.00000	27.00000	99.75000
0.00000	0.00000	0.00602	2765	-23.00000	27.00000	99.75000
0.00000	0.00000	0.00425	2766	-22.00000	27.00000	99.75000
0.00000	0.00000	0.00241	2767	-21.00000	27.00000	99.75000
			2768	-20.00000	27.00000	99.75000



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 3 - Short Term - Complete Construction

Set: Displacements: Ref.	Displacements: x	Displacements: y	Displacements: z	Set: Name	Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.00000	0.00051	1	2769	-19.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00142	1	2770	-18.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00336	1	2771	-17.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00529	1	2772	-16.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00717	1	2773	-15.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00898	1	2774	-14.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01070	1	2775	-13.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01230	1	2776	-12.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01376	1	2777	-11.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01507	1	2778	-10.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01620	1	2779	-9.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01715	1	2780	-8.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01791	1	2781	-7.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01849	1	2782	-6.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01888	1	2783	-5.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01908	1	2784	-4.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01912	1	2785	-3.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01900	1	2786	-2.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01874	1	2787	-1.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01835	1	2788	0.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01785	1	2789	-40.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01307	1	2790	-39.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01348	1	2791	-38.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01381	1	2792	-37.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01406	1	2793	-36.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01423	1	2794	-35.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01429	1	2795	-34.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01424	1	2796	-33.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01407	1	2797	-32.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01377	1	2798	-31.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01334	1	2799	-30.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01277	1	2800	-29.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01205	1	2801	-28.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01120	1	2802	-27.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01022	1	2803	-26.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.00911	1	2804	-25.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.00788	1	2805	-24.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.00654	1	2806	-23.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.00510	1				



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Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Set: Displacements:			Result: Coordinates:			
Ref.	x	y	Ref.	x	y	z
0.00000	0.00000	0.00358	2807	-22.00000	28.00000	99.75000
0.00000	0.00000	0.00200	2808	-21.00000	28.00000	99.75000
0.00000	0.00000	0.00037	2809	-20.00000	28.00000	99.75000
0.00000	0.00000	-0.00129	2810	-19.00000	28.00000	99.75000
0.00000	0.00000	-0.00295	2811	-18.00000	28.00000	99.75000
0.00000	0.00000	-0.00460	2812	-17.00000	28.00000	99.75000
0.00000	0.00000	-0.00621	2813	-16.00000	28.00000	99.75000
0.00000	0.00000	-0.00776	2814	-15.00000	28.00000	99.75000
0.00000	0.00000	-0.00923	2815	-14.00000	28.00000	99.75000
0.00000	0.00000	-0.01060	2816	-13.00000	28.00000	99.75000
0.00000	0.00000	-0.01186	2817	-12.00000	28.00000	99.75000
0.00000	0.00000	-0.01298	2818	-11.00000	28.00000	99.75000
0.00000	0.00000	-0.01396	2819	-10.00000	28.00000	99.75000
0.00000	0.00000	-0.01479	2820	-9.00000	28.00000	99.75000
0.00000	0.00000	-0.01546	2821	-8.00000	28.00000	99.75000
0.00000	0.00000	-0.01598	2822	-7.00000	28.00000	99.75000
0.00000	0.00000	-0.01634	2823	-6.00000	28.00000	99.75000
0.00000	0.00000	-0.01654	2824	-5.00000	28.00000	99.75000
0.00000	0.00000	-0.01661	2825	-4.00000	28.00000	99.75000
0.00000	0.00000	-0.01653	2826	-3.00000	28.00000	99.75000
0.00000	0.00000	-0.01634	2827	-2.00000	28.00000	99.75000
0.00000	0.00000	-0.01603	2828	-1.00000	28.00000	99.75000
0.00000	0.00000	-0.01563	2829	0.00000	28.00000	99.75000
0.00000	0.00000	0.01156	2830	-40.00000	29.00000	99.75000
0.00000	0.00000	0.01189	2831	-39.00000	29.00000	99.75000
0.00000	0.00000	0.01215	2832	-38.00000	29.00000	99.75000
0.00000	0.00000	0.01235	2833	-37.00000	29.00000	99.75000
0.00000	0.00000	0.01246	2834	-36.00000	29.00000	99.75000
0.00000	0.00000	0.01249	2835	-35.00000	29.00000	99.75000
0.00000	0.00000	0.01242	2836	-34.00000	29.00000	99.75000
0.00000	0.00000	0.01224	2837	-33.00000	29.00000	99.75000
0.00000	0.00000	0.01196	2838	-32.00000	29.00000	99.75000
0.00000	0.00000	0.01156	2839	-31.00000	29.00000	99.75000
0.00000	0.00000	0.01104	2840	-30.00000	29.00000	99.75000
0.00000	0.00000	0.01041	2841	-29.00000	29.00000	99.75000
0.00000	0.00000	0.00966	2842	-28.00000	29.00000	99.75000
0.00000	0.00000	0.00879	2843	-27.00000	29.00000	99.75000
0.00000	0.00000	0.00782	2844	-26.00000	29.00000	99.75000
			2845	-25.00000	29.00000	99.75000



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Set:			Result: Coordinates:				
Displacements:	Displacements:	Displacements:	Coordinates:	Coordinates:	Coordinates:	Coordinates:	
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00675	1	2846	-24.00000	29.00000	99.75000
0.00000	0.00000	0.00559	1	2847	-23.00000	29.00000	99.75000
0.00000	0.00000	0.00434	1	2848	-22.00000	29.00000	99.75000
0.00000	0.00000	0.00303	1	2849	-21.00000	29.00000	99.75000
0.00000	0.00000	0.00167	1	2850	-20.00000	29.00000	99.75000
0.00000	0.00000	0.00027	1	2851	-19.00000	29.00000	99.75000
0.00000	0.00000	-0.00115	1	2852	-18.00000	29.00000	99.75000
0.00000	0.00000	-0.00258	1	2853	-17.00000	29.00000	99.75000
0.00000	0.00000	-0.00399	1	2854	-16.00000	29.00000	99.75000
0.00000	0.00000	-0.00537	1	2855	-15.00000	29.00000	99.75000
0.00000	0.00000	-0.00670	1	2856	-14.00000	29.00000	99.75000
0.00000	0.00000	-0.00796	1	2857	-13.00000	29.00000	99.75000
0.00000	0.00000	-0.00913	1	2858	-12.00000	29.00000	99.75000
0.00000	0.00000	-0.01021	1	2859	-11.00000	29.00000	99.75000
0.00000	0.00000	-0.01118	1	2860	-10.00000	29.00000	99.75000
0.00000	0.00000	-0.01204	1	2861	-9.00000	29.00000	99.75000
0.00000	0.00000	-0.01276	1	2862	-8.00000	29.00000	99.75000
0.00000	0.00000	-0.01335	1	2863	-7.00000	29.00000	99.75000
0.00000	0.00000	-0.01381	1	2864	-6.00000	29.00000	99.75000
0.00000	0.00000	-0.01414	1	2865	-5.00000	29.00000	99.75000
0.00000	0.00000	-0.01434	1	2866	-4.00000	29.00000	99.75000
0.00000	0.00000	-0.01442	1	2867	-3.00000	29.00000	99.75000
0.00000	0.00000	-0.01438	1	2868	-2.00000	29.00000	99.75000
0.00000	0.00000	-0.01424	1	2869	-1.00000	29.00000	99.75000
0.00000	0.00000	-0.01399	1	2870	0.00000	29.00000	99.75000
0.00000	0.00000	-0.01367	1	2871	-40.00000	30.00000	99.75000
0.00000	0.00000	0.01023	1	2872	-39.00000	30.00000	99.75000
0.00000	0.00000	0.01050	1	2873	-38.00000	30.00000	99.75000
0.00000	0.00000	0.01071	1	2874	-37.00000	30.00000	99.75000
0.00000	0.00000	0.01085	1	2875	-36.00000	30.00000	99.75000
0.00000	0.00000	0.01093	1	2876	-35.00000	30.00000	99.75000
0.00000	0.00000	0.01093	1	2877	-34.00000	30.00000	99.75000
0.00000	0.00000	0.01085	1	2878	-33.00000	30.00000	99.75000
0.00000	0.00000	0.01067	1	2879	-32.00000	30.00000	99.75000
0.00000	0.00000	0.01041	1	2880	-31.00000	30.00000	99.75000
0.00000	0.00000	0.01004	1	2881	-30.00000	30.00000	99.75000
0.00000	0.00000	0.00958	1	2882	-29.00000	30.00000	99.75000
0.00000	0.00000	0.00901	1	2883	-28.00000	30.00000	99.75000
0.00000	0.00000	0.00835	1				



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Set:			Result: Coordinates: Coordinates: Coordinates:				
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.		Name					
x	y	z					
0.00000	0.00000	0.00759	1	2884	-27.00000	30.00000	99.75000
0.00000	0.00000	0.00674	1	2885	-26.00000	30.00000	99.75000
0.00000	0.00000	0.00581	1	2886	-25.00000	30.00000	99.75000
0.00000	0.00000	0.00480	1	2887	-24.00000	30.00000	99.75000
0.00000	0.00000	0.00373	1	2888	-23.00000	30.00000	99.75000
0.00000	0.00000	0.00259	1	2889	-22.00000	30.00000	99.75000
0.00000	0.00000	0.00142	1	2890	-21.00000	30.00000	99.75000
0.00000	0.00000	0.00021	1	2891	-20.00000	30.00000	99.75000
0.00000	0.00000	-0.00101	1	2892	-19.00000	30.00000	99.75000
0.00000	0.00000	-0.00223	1	2893	-18.00000	30.00000	99.75000
0.00000	0.00000	-0.00345	1	2894	-17.00000	30.00000	99.75000
0.00000	0.00000	-0.00463	1	2895	-16.00000	30.00000	99.75000
0.00000	0.00000	-0.00577	1	2896	-15.00000	30.00000	99.75000
0.00000	0.00000	-0.00685	1	2897	-14.00000	30.00000	99.75000
0.00000	0.00000	-0.00787	1	2898	-13.00000	30.00000	99.75000
0.00000	0.00000	-0.00880	1	2899	-12.00000	30.00000	99.75000
0.00000	0.00000	-0.00964	1	2900	-11.00000	30.00000	99.75000
0.00000	0.00000	-0.01038	1	2901	-10.00000	30.00000	99.75000
0.00000	0.00000	-0.01101	1	2902	-9.00000	30.00000	99.75000
0.00000	0.00000	-0.01153	1	2903	-8.00000	30.00000	99.75000
0.00000	0.00000	-0.01194	1	2904	-7.00000	30.00000	99.75000
0.00000	0.00000	-0.01224	1	2905	-6.00000	30.00000	99.75000
0.00000	0.00000	-0.01243	1	2906	-5.00000	30.00000	99.75000
0.00000	0.00000	-0.01252	1	2907	-4.00000	30.00000	99.75000
0.00000	0.00000	-0.01250	1	2908	-3.00000	30.00000	99.75000
0.00000	0.00000	-0.01240	1	2909	-2.00000	30.00000	99.75000
0.00000	0.00000	-0.01220	1	2910	-1.00000	30.00000	99.75000
0.00000	0.00000	-0.01194	1	2911	0.00000	30.00000	99.75000

1 - Data point coincident with displacement location. Its displacement has been added to those calculated by Xdisp.

Polygonal Excavations

Ref. 1
Excavation Name: Basement Deepening - 97.5 m OD to 96.0 m OD
 Surface level [m]: 97.500
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-

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Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		
1	-32.000	-4.1000	-32.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
2	-32.000	6.2000	-18.200	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))	Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))
7	-11.100	-4.1000	-11.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
8	-11.100	-3.0000	-22.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
9	-22.100	-3.0000	-22.100	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
10	-22.100	-4.1000	-32.000	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))

Ref. 2
Excavation Name: Retaining Wall Installation - 97.5 m OD to 96.00 m OD
Surface level [m]: 97.500
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		
1	-32.000	-4.1000	-32.000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
2	-32.000	6.2000	-18.200	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
7	-11.100	-4.1000	-11.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
8	-11.100	-3.0000	-22.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
9	-22.100	-3.0000	-22.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
10	-22.100	-4.1000	-32.000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))

Ref. 3
Excavation Name: Basement Excavation - 99.75 m OD to 96.00 m OD
 Surface level [m]: 99.750
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-11.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
5	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
6	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-11.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	-11.000	6.2000	-5.0000	6.2000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
4	-5.0000	6.2000	-5.4000	-1.4000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
5	-5.4000	-1.4000	-7.5000	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
6	-7.5000	-4.1000	-8.0000	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
7	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
8	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Ref. 4
Excavation Name: Retaining Wall Installation - 99.75 m OD to 96.00 m OD
 Surface level [m]: 99.750
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side: d	Prev. Side: p1	Prev. Side: p2*	Next Side: d	Next Side: p1	Next Side: p2*
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	[m]	[m]	[m]			[m]	[%]	[%]	[m]	[%]	[%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
5	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
6	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-5.0000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-5.0000	6.2000	-5.4000	-1.4000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
4	-5.4000	-1.4000	-7.5000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
5	-7.5000	-4.1000	-8.0000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
6	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
7	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Circular Excavations

Vertical Ground Movement Curves

Curve Name: No vertical ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040] [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028] [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018] [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010] [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005] [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002] [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001] [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = -1.2355E-2x⁴ + 3.4814E-2x³ - 2.8885E-3x² - 6.5618E-2x + 4.9987E-2
Coeff. of Determination: 1.0000

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040] [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028] [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018]

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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
					[0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010] [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005] [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002] [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001] [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]	

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: $z = -1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Curve Name: Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]

[0.000,0.000,0.039]	[0.100,0.000,0.049]	[0.200,0.000,0.056]	[0.300,0.000,0.062]
[0.400,0.000,0.067]	[0.500,0.000,0.070]	[0.600,0.000,0.072]	[0.700,0.000,0.073]
[0.800,0.000,0.073]	[0.900,0.000,0.072]	[1.000,0.000,0.070]	[1.100,0.000,0.068]
[1.200,0.000,0.065]	[1.300,0.000,0.061]	[1.400,0.000,0.058]	[1.500,0.000,0.054]
[1.600,0.000,0.050]	[1.700,0.000,0.046]	[1.800,0.000,0.042]	[1.900,0.000,0.038]
[2.000,0.000,0.034]	[2.100,0.000,0.030]	[2.200,0.000,0.027]	[2.300,0.000,0.023]
[2.400,0.000,0.020]	[2.500,0.000,0.017]	[2.600,0.000,0.014]	[2.700,0.000,0.012]
[2.800,0.000,0.010]	[2.900,0.000,0.008]	[3.000,0.000,0.007]	[3.100,0.000,0.005]
[3.200,0.000,0.004]	[3.300,0.000,0.004]	[3.400,0.000,0.003]	[3.500,0.000,0.002]
[3.600,0.000,0.002]	[3.700,0.000,0.002]	[3.800,0.000,0.001]	[3.900,0.000,0.001]
[4.000,0.000,0.000]			

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: $z = -2.6455E-3x^4 + 2.8495E-2x^3 - 1.0051E-1x^2 + 1.0569E-1x + 3.8990E-2$
Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves

Curve Name: No horizontal ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]

Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: $z = 0.0$
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.050] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: $z = -3.33E-2x + 5.00E-2$
Coeff. of Determination: 1.00

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.050] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: $z = -3.33E-2x + 5.00E-2$
Coeff. of Determination: 1.00

Curve Name: Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.150] [4.000,0.000,0.000]

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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
Curve Fitting Method: Polynomial						
x Order: 1						
y Order: 0						
Polynomial: z = -3.75E-2x + 1.50E-1						
Coeff. of Determination: 1.00						
Curve Name: Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))						
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)] [0.000,0.000,0.400][4.000,0.000,0.000]						
Curve Fitting Method: Polynomial						
x Order: 1						
y Order: 0						
Polynomial: z = -10.E-2x + 4.0E-1						
Coeff. of Determination: 1.0						
Curve Name: Exc. in front of high stiffness underpinned wall in stiff clay						
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)] [0.000,0.000,0.150][4.000,0.000,0.000]						
Curve Fitting Method: Polynomial						
x Order: 1						
y Order: 0						
Polynomial: z = -3.75E-2x + 1.50E-1						
Coeff. of Determination: 1.00						

Damage Category Strains

Ref.	Name	0 (Negligible)	1 (Very Slight)	2 (Slight)	3 (Moderate)
		to	to	to	to
		1 (Very Slight)	2 (Slight)	3 (Moderate)	4 (Severe)
1	Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance
Vertical	Vertical	Damage Category	Poisson's E/G	Along	Along
Offsets from	Displacement	Strains	Ratio	Line:	Line:
Line for				Start	End
Vertical	Limit				
Movement	Sensitivity				
Calculations				[m]	[m]
[m]	[mm]				
1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	0.00000	3.19900
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	0.00000	2.51900
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	0.00000	7.79500
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	0.00000	0.44100
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5	0.00000	3.14300
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	No 11 LG - Line 6	0.00000	19.16200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	No 11 LG - Line 7	0.00000	14.19600
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
8	No 11 Lyndhurst Terrace	No 11 LG - Line 8	No 11 LG - Line 8	0.00000	21.24500
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	No 7 LG - Line 1	0.00000	8.18800
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			
10	No 7 Lyndhurst Terrace	No 7 LG - Line 2	No 7 LG - Line 2	0.00000	5.42200
0.0	0.10000 Burland Strain Limits	0.20000 2.6000			



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Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance
Vertical	Vertical	Damage Category	Poisson's E/G	Along	Along
Offsets from	Displacement	Strains	Ratio		
11 No 7 Lyndhurst Terrace	No 7 LG - Line 3	No 7 LG - Line 3	0.20000 2.6000	No 7 LG - Line 3	0.00000 2.80400
0.0 0.10000 Burland Strain Limits					
12 No 7 Lyndhurst Terrace	No 7 LG - Line 4	No 7 LG - Line 4	0.20000 2.6000	No 7 LG - Line 4	0.00000 5.72600
0.0 0.10000 Burland Strain Limits					
13 No 7 Lyndhurst Terrace	No 7 LG - Line 5	No 7 LG - Line 5	0.20000 2.6000	No 7 LG - Line 5	0.00000 2.95200
0.0 0.10000 Burland Strain Limits					
14 No 7 Lyndhurst Terrace	No 7 LG - Line 6	No 7 LG - Line 6	0.20000 2.6000	No 7 LG - Line 6	0.00000 14.26600
0.0 0.10000 Burland Strain Limits					
15 No 7 Lyndhurst Terrace	No 7 LG - Line 7	No 7 LG - Line 7	0.20000 2.6000	No 7 LG - Line 7	0.00000 10.54400
0.0 0.10000 Burland Strain Limits					
16 No 7 Lyndhurst Terrace	No 7 LG - Line 8	No 7 LG - Line 8	0.20000 2.6000	No 7 LG - Line 8	0.00000 2.03800
0.0 0.10000 Burland Strain Limits					
17 No 7 Lyndhurst Terrace	No 7 LG - Line 9	No 7 LG - Line 9	0.20000 2.6000	No 7 LG - Line 9	0.00000 1.45900
0.0 0.10000 Burland Strain Limits					
18 No 7 Lyndhurst Terrace	No 7 LG - Line 10	No 7 LG - Line 10	0.20000 2.6000	No 7 LG - Line 10	0.00000 2.69300
0.0 0.10000 Burland Strain Limits					
19 No 7 Lyndhurst Terrace	No 7 LG - Line 11	No 7 LG - Line 11	0.20000 2.6000	No 7 LG - Line 11	0.00000 1.45900
0.0 0.10000 Burland Strain Limits					
20 No 7 Lyndhurst Terrace	No 7 LG - Line 12	No 7 LG - Line 12	0.20000 2.6000	No 7 LG - Line 12	0.00000 6.95300
0.0 0.10000 Burland Strain Limits					
21 No 7 Lyndhurst Terrace	No 7 LG - Line 13	No 7 LG - Line 13	0.20000 2.6000	No 7 LG - Line 13	0.00000 1.85800
0.0 0.10000 Burland Strain Limits					
22 No 7 Lyndhurst Terrace	No 7 LG - Line 14	No 7 LG - Line 14	0.20000 2.6000	No 7 LG - Line 14	0.00000 2.52200
0.0 0.10000 Burland Strain Limits					
23 No 7 Lyndhurst Terrace	No 7 LG - Line 15	No 7 LG - Line 15	0.20000 2.6000	No 7 LG - Line 15	0.00000 8.66200
0.0 0.10000 Burland Strain Limits					
24 No 7 Lyndhurst Terrace	No 7 LG - Line 16	No 7 LG - Line 16	0.20000 2.6000	No 7 LG - Line 16	0.00000 1.17900
0.0 0.10000 Burland Strain Limits					
25 No 7 Lyndhurst Terrace	No 7 LG - Line 17	No 7 LG - Line 17	0.20000 2.6000	No 7 LG - Line 17	0.00000 0.93000
0.0 0.10000 Burland Strain Limits					
26 No 7 Lyndhurst Terrace	No 7 LG - Line 18	No 7 LG - Line 18	0.20000 2.6000	No 7 LG - Line 18	0.00000 6.92100
0.0 0.10000 Burland Strain Limits					
27 No 7 Lyndhurst Terrace	No 7 LG - Line 19	No 7 LG - Line 19	0.20000 2.6000	No 7 LG - Line 19	0.00000 1.18400
0.0 0.10000 Burland Strain Limits					
28 No 7 Lyndhurst Terrace	No 7 LG - Line 20	No 7 LG - Line 20	0.20000 2.6000	No 7 LG - Line 20	0.00000 1.84300
0.0 0.10000 Burland Strain Limits					
29 No 7 Lyndhurst Terrace	No 7 LG - Line 21	No 7 LG - Line 21	0.20000 2.6000	No 7 LG - Line 21	0.00000 1.34300
0.0 0.10000 Burland Strain Limits					
30 No 7 Lyndhurst Terrace	No 7 LG - Line 22	No 7 LG - Line 22	0.20000 2.6000	No 7 LG - Line 22	0.00000 6.70000
0.0 0.10000 Burland Strain Limits					
31 No 7 Lyndhurst Terrace	No 7 LG - Line 23	No 7 LG - Line 23	0.20000 2.6000	No 7 LG - Line 23	0.00000 23.74000
0.0 0.10000 Burland Strain Limits					
32 No 7 Lyndhurst Terrace	No 7 LG - Line 24	No 7 LG - Line 24	0.20000 2.6000	No 7 LG - Line 24	0.00000 4.82600
0.0 0.10000 Burland Strain Limits					
33 No 7 Lyndhurst Terrace	No 7 LG - Line 25	No 7 LG - Line 25	0.20000 2.6000	No 7 LG - Line 25	0.00000 4.91100
0.0 0.10000 Burland Strain Limits					
34 Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line		Lyndhurst Terrace Curb Line	0.00000 70.00000
0.0 0.10000 Burland Strain Limits					

Specific Buildings - Bending Parameters

Ref.	Building Name	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:
Sagging:	Sagging:	Sagging:			2nd Mom.	Dist. of	Dist. of
2nd Mom.	Dist. of	Dist. of			of Area	Bending	N.A. from
of Area	Bending	N.A. from			(per unit	Strain	Edge of
(per unit	Strain	Edge of			width)	from N.A.	Beam in
width)	from N.A.	Beam in					Tension
Tension							
[m³]	[m]	[m]	[m]		[m³]	[m]	[m]
1 No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
2 No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
3 No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
4 No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	15.330	Yes	1200.9	15.330	15.330
300.22 7.6650 7.6650							
5 No 11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5	15.330	Yes	1200.9	15.330	15.330



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Ref. Sagging:	Building Name Sagging:	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:
2nd Mom.	Dist. of				2nd Mom.	Dist. of	Dist. of
300.22	7.6650						
6 No 11	Lyndhurst Terrace	No 11 LG - Line 6	15.330	Yes	1200.9	15.330	15.330
7 No 11	Lyndhurst Terrace	No 11 LG - Line 7	15.330	Yes	1200.9	15.330	15.330
8 No 11	Lyndhurst Terrace	No 11 LG - Line 8	15.330	Yes	1200.9	15.330	15.330
9 No 7	Lyndhurst Terrace	No 7 LG - Line 1	17.230	Yes	1705.0	17.230	17.230
10 No 7	Lyndhurst Terrace	No 7 LG - Line 2	17.230	Yes	1705.0	17.230	17.230
11 No 7	Lyndhurst Terrace	No 7 LG - Line 3	17.230	Yes	1705.0	17.230	17.230
12 No 7	Lyndhurst Terrace	No 7 LG - Line 4	17.230	Yes	1705.0	17.230	17.230
13 No 7	Lyndhurst Terrace	No 7 LG - Line 5	17.230	Yes	1705.0	17.230	17.230
14 No 7	Lyndhurst Terrace	No 7 LG - Line 6	17.230	Yes	1705.0	17.230	17.230
15 No 7	Lyndhurst Terrace	No 7 LG - Line 7	17.230	Yes	1705.0	17.230	17.230
16 No 7	Lyndhurst Terrace	No 7 LG - Line 8	17.230	Yes	1705.0	17.230	17.230
17 No 7	Lyndhurst Terrace	No 7 LG - Line 9	17.230	Yes	1705.0	17.230	17.230
18 No 7	Lyndhurst Terrace	No 7 LG - Line 10	17.230	Yes	1705.0	17.230	17.230
19 No 7	Lyndhurst Terrace	No 7 LG - Line 11	17.230	Yes	1705.0	17.230	17.230
20 No 7	Lyndhurst Terrace	No 7 LG - Line 12	17.230	Yes	1705.0	17.230	17.230
21 No 7	Lyndhurst Terrace	No 7 LG - Line 13	17.230	Yes	1705.0	17.230	17.230
22 No 7	Lyndhurst Terrace	No 7 LG - Line 14	17.230	Yes	1705.0	17.230	17.230
23 No 7	Lyndhurst Terrace	No 7 LG - Line 15	17.230	Yes	1705.0	17.230	17.230
24 No 7	Lyndhurst Terrace	No 7 LG - Line 16	17.230	Yes	1705.0	17.230	17.230
25 No 7	Lyndhurst Terrace	No 7 LG - Line 17	17.230	Yes	1705.0	17.230	17.230
26 No 7	Lyndhurst Terrace	No 7 LG - Line 18	17.230	Yes	1705.0	17.230	17.230
27 No 7	Lyndhurst Terrace	No 7 LG - Line 19	17.230	Yes	1705.0	17.230	17.230
28 No 7	Lyndhurst Terrace	No 7 LG - Line 20	17.230	Yes	1705.0	17.230	17.230
29 No 7	Lyndhurst Terrace	No 7 LG - Line 21	17.230	Yes	1705.0	17.230	17.230
30 No 7	Lyndhurst Terrace	No 7 LG - Line 22	4.5000	Yes	30.375	4.5000	4.5000
31 No 7	Lyndhurst Terrace	No 7 LG - Line 23	4.5000	Yes	30.375	4.5000	4.5000
32 No 7	Lyndhurst Terrace	No 7 LG - Line 24	4.5000	Yes	30.375	4.5000	4.5000
33 No 7	Lyndhurst Terrace	No 7 LG - Line 25	4.5000	Yes	30.375	4.5000	4.5000
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.50000	Yes	0.041667	0.50000	0.50000

Specific Buildings - Segment Combinations

Stage:	Stage:	Name Building:	Building: Name	Sub-Building Name	Vertical	Segment
Start	Length	Curvature	Combined Segment		Offset from	
Ref.		Ref.			Line for	
					Vertical	
					Movement	
					Calculations	
					[m]	
0		Base Model 1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	No combined
			segments for this stage, specific building and offset			
		2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	No combined
			segments for this stage, specific building and offset			



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Stage:	Stage:	Name Building:	Building: Name	Sub-Building Name	Vertical	Segment
Start	Length	Curvature	Combined Segment		Offset from	
Ref.		Ref.			Line for	
		3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	No combined
		4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	No combined
		5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	No combined
		6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	No combined
		7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	No combined
		8	No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	No combined
		9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	No combined
		10	No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	11
0.0	0.0	Hogging		0		
		11	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	No combined
		12	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	No combined
		13	No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	No combined
		14	No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	No combined
		15	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	No combined
		16	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	No combined
		17	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	No combined
		18	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	No combined
		19	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	No combined
		20	No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	No combined
		21	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	No combined
		22	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	No combined
		23	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	No combined
		24	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	No combined
		25	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	No combined
		26	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	No combined
		27	No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	No combined
		28	No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	No combined
		29	No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	No combined
		30	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	No combined
		31	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	No combined
		32	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	No combined
		33	No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	No combined
		34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	No combined

Warnings

- Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- The following polygonal excavations have one or more re-entrant corners: 1, 2, 3, 4. The use of re-entrant corners is permitted but not recommended. CIRIA C580/C760, on which XDisp's method for modelling ground movements behind walls of excavations is based, considers only movements for points lying at right angles behind single walls. It does not consider how movements should be calculated within the zone of influence of re-entrant corners, i.e. where movements would be influenced by two walls adjacent



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Stage:	Stage:	Name Building:	Building: Name	Sub-Building Name	Vertical	Segment
Start Length	Curvature	Combined Segment				
Ref.	Ref.				Offset from	Line for

to the re-entrant corner. By default, XDisp will merely sum the effects from both walls, making no allowance for interaction or stiffening of the corner. Please refer to help manual for artificial smoothing options. Re-entrant corners should be used with caution. Results in their vicinity should be validated independently.

3 If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Vertical. This is an example only. There are 285 others.

4 If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Horizontal. This is an example only. There are 233 others.

Errors

None

Displacement Results - Displacement Lines

Stage:	Stage:	Disp.	Disp. Line: Name	Chainage	x	y	z	δx	δy	
δz	δH//	δHperp.	Angle							
Ref.	Name	Line:	Ref.							
[mm]	[mm]	[mm]	[°]	[m]	[m]	[m]	[m]	[mm]	[mm]	
0	Base Model 1	No 11 LG - Line 1		0.0	-31.74200	10.69900	98.25000	0.0	-1.6177	
0.0	-1.6158	-0.077353	87.259							
0.0	-1.0669	-0.051074	87.259	0.53328	-31.71650	11.23167	98.25000	0.0	-1.0681	
0.0	-0.50670	-0.024257	87.259	1.0666	-31.69100	11.76433	98.25000	0.0	-0.50728	
0.0	-0.031373	-0.0015019	87.259	1.5998	-31.66550	12.29700	98.25000	0.0	-0.031408	
0.0	0.0	0.0	87.259	2.1331	-31.64000	12.82967	98.25000	0.0	0.0	
0.0	0.0	0.0	87.259	2.6664	-31.61450	13.36233	98.25000	0.0	0.0	
0.0	0.0	0.0	87.259	3.1997	-31.58900	13.89500	98.25000	0.0	0.0	
0.0	0.0	2	No 11 LG - Line 2	0.0	-31.58900	13.89500	98.25000	0.0	0.0	
0.0	0.0	0.0	357.27							
0.0	0.0	0.0	357.27	0.50397	-31.08560	13.87100	98.25000	0.0	0.0	
0.0	0.0057273	-0.12013	357.27	1.0079	-30.58220	13.84700	98.25000	0.0	-0.12027	
0.0	0.013164	-0.27612	357.27	1.5119	-30.07880	13.82300	98.25000	0.0	-0.27644	
0.0	0.021034	-0.44118	357.27	2.0159	-29.57540	13.79900	98.25000	0.0	-0.44168	
0.0	0.029369	-0.61602	357.27	2.5199	-29.07200	13.77500	98.25000	0.0	-0.61672	
0.0	-0.61601	-0.029507	3	No 11 LG - Line 3	0.0	-29.07200	13.77500	98.25000	0.0	-0.61672
0.0	-0.54622	-0.026164	87.258							
0.0	-0.46015	-0.022042	87.258	0.48725	-29.04869	14.26169	98.25000	0.0	-0.54684	
0.0	-0.35809	-0.017153	87.258	0.97449	-29.02538	14.74838	98.25000	0.0	-0.46068	
0.0	-0.24036	-0.011513	87.258	1.4617	-29.00206	15.23506	98.25000	0.0	-0.35850	
0.0	-0.10737	-0.0051429	87.258	1.9490	-28.97875	15.72175	98.25000	0.0	-0.24064	
0.0	0.0	0.0	87.258	2.4362	-28.95544	16.20844	98.25000	0.0	-0.10749	
0.0	0.0	0.0	87.258	2.9235	-28.93212	16.69513	98.25000	0.0	0.0	
0.0	0.0	0.0	87.258	3.4107	-28.90881	17.18181	98.25000	0.0	0.0	



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0.0	0.0	0.0	87.258		3.8980	-28.88550	17.66850	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		4.3852	-28.86219	18.15519	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		4.8725	-28.83888	18.64187	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		5.3597	-28.81556	19.12856	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		5.8469	-28.79225	19.61525	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		6.3342	-28.76894	20.10194	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		6.8214	-28.74563	20.58863	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		7.3087	-28.72231	21.07531	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		7.7959	-28.69900	21.56200	98.25000	0.0	0.0
0.0	0.0	4	87.258	No 11 LG - Line 4	0.0	-28.69900	21.56200	98.25000	0.0	0.0
0.0	0.0	0.0	169.83		0.22097	-28.91650	21.60100	98.25000	0.0	0.0
0.0	0.0	0.0	169.83		0.44194	-29.13400	21.64000	98.25000	0.0	0.0
0.0	0.0	5	169.83	No 11 LG - Line 5	0.0	-29.13400	21.64000	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		0.52393	-29.10900	22.16333	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		1.0479	-29.08400	22.68667	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		1.5718	-29.05900	23.21000	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		2.0957	-29.03400	23.73333	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		2.6197	-29.00900	24.25667	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		3.1436	-28.98400	24.78000	98.25000	0.0	0.0
0.0	0.0	6	87.265	No 11 LG - Line 6	0.0	-28.98400	24.78000	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		0.50429	-28.48029	24.75592	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.0086	-27.97658	24.73184	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.5129	-27.47287	24.70776	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.0171	-26.96916	24.68368	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.5214	-26.46545	24.65961	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.0257	-25.96174	24.63553	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.5300	-25.45803	24.61145	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.0343	-24.95432	24.58737	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.5386	-24.45061	24.56329	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.0429	-23.94689	24.53921	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.5471	-23.44318	24.51513	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.0514	-22.93947	24.49105	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.5557	-22.43576	24.46697	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.0600	-21.93205	24.44289	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.5643	-21.42834	24.41882	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.0686	-20.92463	24.39474	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.5729	-20.42092	24.37066	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.0771	-19.91721	24.34658	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.5814	-19.41350	24.32250	98.25000	0.0	0.0



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0.0	0.0	0.0	357.26		10.086	-18.90979	24.29842	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.590	-18.40608	24.27434	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.094	-17.90237	24.25026	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.599	-17.39866	24.22618	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.103	-16.89495	24.20211	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.607	-16.39124	24.17803	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.111	-15.88753	24.15395	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.616	-15.38382	24.12987	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		14.120	-14.88011	24.10579	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		14.624	-14.37639	24.08171	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		15.129	-13.87268	24.05763	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		15.633	-13.36897	24.03355	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		16.137	-12.86526	24.00947	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		16.641	-12.36155	23.98539	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		17.146	-11.85784	23.96132	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		17.650	-11.35413	23.93724	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		18.154	-10.85042	23.91316	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		18.659	-10.34671	23.88908	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		19.163	-9.84300	23.86500	98.25000	0.0	0.0
0.0	0.0	7	357.26	No 11 LG - Line 7	0.0	-9.84300	23.86500	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		0.50701	-9.86721	23.35857	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		1.0140	-9.89143	22.85214	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		1.5210	-9.91564	22.34571	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		2.0280	-9.93986	21.83929	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		2.5350	-9.96407	21.33286	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		3.0420	-9.98829	20.82643	98.25000	0.0	-0.14009
0.0	0.13993	0.0066906	267.26		3.5490	-10.01250	20.32000	98.25000	0.0	-0.33000
0.0	0.32962	0.015761	267.26		4.0561	-10.03671	19.81357	98.25000	0.0	-0.51991
0.0	0.51932	0.024831	267.26		4.5631	-10.06093	19.30714	98.25000	0.0	-0.70982
0.0	0.70901	0.033901	267.26		5.0701	-10.08514	18.80071	98.25000	0.0	-0.89973
0.0	0.89871	0.042971	267.26		5.5771	-10.10936	18.29429	98.25000	0.0	-1.0896
0.0	1.0884	0.052041	267.26		6.0841	-10.13357	17.78786	98.25000	0.0	-1.2796
0.0	1.2781	0.061111	267.26		6.5911	-10.15779	17.28143	98.25000	0.0	-1.4695
0.0	1.4678	0.070181	267.26		7.0981	-10.18200	16.77500	98.25000	0.0	-1.6594
0.0	1.6575	0.079251	267.26		7.6051	-10.20621	16.26857	98.25000	0.0	-1.8493
0.0	1.8472	0.088321	267.26		8.1121	-10.23043	15.76214	98.25000	0.0	-2.0392
0.0	2.0369	0.097391	267.26		8.6191	-10.25464	15.25571	98.25000	0.0	-2.2291
0.0	2.2266	0.10646	267.26		9.1261	-10.27886	14.74929	98.25000	0.0	-2.4190
0.0	2.4163	0.11553	267.26							



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0.0	2.6060	0.12460	267.26		9.6331	-10.30307	14.24286	98.25000	0.0	-2.6089
0.0	2.7956	0.13367	267.26		10.140	-10.32729	13.73643	98.25000	0.0	-2.7988
0.0	2.9853	0.14274	267.26		10.647	-10.35150	13.23000	98.25000	0.0	-2.9888
0.0	3.1750	0.15181	267.26		11.154	-10.37571	12.72357	98.25000	0.0	-3.1787
0.0	3.3647	0.16088	267.26		11.661	-10.39993	12.21714	98.25000	0.0	-3.3686
0.0069409	3.5925	0.17177	267.26		12.168	-10.42414	11.71071	98.25000	0.0	-3.5966
0.031112	3.9508	0.18890	267.26		12.675	-10.44836	11.20429	98.25000	0.0	-3.9553
0.061097	4.3091	0.20603	267.26		13.182	-10.47257	10.69786	98.25000	0.0	-4.3140
0.11230	4.6674	0.22317	267.26		13.689	-10.49679	10.19143	98.25000	0.0	-4.6727
0.19643	5.0257	0.24030	267.26		14.196	-10.52100	9.68500	98.25000	0.0	-5.0315
0.19643	-0.24014	8 5.0257	No 11 LG - Line 8 177.26		0.0	-10.52100	9.68500	98.25000	0.0	-5.0315
0.19154	-0.58210	12.182	177.26		0.50584	-11.02626	9.70914	98.25000	0.0	-12.196
0.18674	-0.58057	12.150	177.26		1.0117	-11.53152	9.73329	98.25000	0.0	-12.164
0.18203	-0.57903	12.118	177.26		1.5175	-12.03679	9.75743	98.25000	0.0	-12.132
0.17742	-0.57749	12.086	177.26		2.0234	-12.54205	9.78157	98.25000	0.0	-12.100
0.17290	-0.57596	12.054	177.26		2.5292	-13.04731	9.80571	98.25000	0.0	-12.067
0.16846	-0.57650	12.065	177.26		3.0350	-13.55257	9.82986	98.25000	0.0	-12.079
0.16412	-0.58335	12.208	177.26		3.5409	-14.05783	9.85400	98.25000	0.0	-12.222
0.15987	-0.59123	12.373	177.26		4.0467	-14.56310	9.87814	98.25000	0.0	-12.387
0.15570	-0.60019	12.561	177.26		4.5525	-15.06836	9.90229	98.25000	0.0	-12.575
0.15162	-0.61017	12.770	177.26		5.0584	-15.57362	9.92643	98.25000	0.0	-12.784
0.14763	-0.62101	12.996	177.26		5.5642	-16.07888	9.95057	98.25000	0.0	-13.011
0.14372	-0.63232	13.233	177.26		6.0701	-16.58414	9.97471	98.25000	0.0	-13.248
0.13989	-0.64348	13.467	177.26		6.5759	-17.08940	9.99886	98.25000	0.0	-13.482
0.13615	-0.65360	13.679	177.26		7.0817	-17.59467	10.02300	98.25000	0.0	-13.694
0.13243	-0.66131	13.840	177.26		7.5876	-18.09993	10.04714	98.25000	0.0	-13.856
0.11358	-0.61120	12.791	177.26		8.0934	-18.60519	10.07129	98.25000	0.0	-12.806
0.090085	-0.55867	11.692	177.26		8.5993	-19.11045	10.09543	98.25000	0.0	-11.705
0.066390	-0.50772	10.626	177.26		9.1051	-19.61571	10.11957	98.25000	0.0	-10.638
0.045763	-0.45987	9.6242	177.26		9.6109	-20.12098	10.14371	98.25000	0.0	-9.6352
0.029652	-0.41598	8.7055	177.26		10.117	-20.62624	10.16786	98.25000	0.0	-8.7155
0.017665	-0.37631	7.8754	177.26		10.623	-21.13150	10.19200	98.25000	0.0	-7.8844
0.0078921	-0.34078	7.1318	177.26		11.128	-21.63676	10.21614	98.25000	0.0	-7.1400
0.0	-0.30981	6.4837	177.26		11.634	-22.14202	10.24029	98.25000	0.0	-6.4911
0.0	-0.28429	5.9496	177.26		12.140	-22.64729	10.26443	98.25000	0.0	-5.9564
0.0	-0.26155	5.4737	177.26		12.646	-23.15255	10.28857	98.25000	0.0	-5.4799
0.0	-0.24123	5.0484	177.26		13.152	-23.65781	10.31271	98.25000	0.0	-5.0541
0.0	-0.22300	4.6669	177.26		13.658	-24.16307	10.33686	98.25000	0.0	-4.6722
					14.163	-24.66833	10.36100	98.25000	0.0	-4.3282



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Ground Movement Assessment
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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	-0.20658	4.3232	177.26							
					14.669	-25.17360	10.38514	98.25000	0.0	-4.0169
0.0	-0.19172	4.0123	177.26							
					15.175	-25.67886	10.40929	98.25000	0.0	-3.7341
0.0	-0.17822	3.7298	177.26							
					15.681	-26.18412	10.43343	98.25000	0.0	-3.4759
0.0	-0.16590	3.4720	177.26							
					16.187	-26.68938	10.45757	98.25000	0.0	-3.2393
0.0	-0.15461	3.2356	177.26							
					16.693	-27.19464	10.48171	98.25000	0.0	-3.0214
0.0	-0.14421	3.0180	177.26							
					17.199	-27.69990	10.50586	98.25000	0.0	-2.8201
0.0	-0.13460	2.8169	177.26							
					17.704	-28.20517	10.53000	98.25000	0.0	-2.6333
0.0	-0.12568	2.6303	177.26							
					18.210	-28.71043	10.55414	98.25000	0.0	-2.4594
0.0	-0.11738	2.4566	177.26							
					18.716	-29.21569	10.57829	98.25000	0.0	-2.2969
0.0	-0.10963	2.2943	177.26							
					19.222	-29.72095	10.60243	98.25000	0.0	-2.1446
0.0	-0.10236	2.1422	177.26							
					19.728	-30.22621	10.62657	98.25000	0.0	-2.0014
0.0	-0.095524	1.9991	177.26							
					20.234	-30.73148	10.65071	98.25000	0.0	-1.8664
0.0	-0.089079	1.8643	177.26							
					20.739	-31.23674	10.67486	98.25000	0.0	-1.7387
0.0	-0.082985	1.7367	177.26							
					21.245	-31.74200	10.69900	98.25000	0.0	-1.6177
0.0	-0.077209	1.6158	177.26							
		9	No 7 LG - Line 1		0.0	-20.99000	-4.35700	96.40000	-4.4732	5.7078
0.23075	-4.4515	5.7247	0.21692							
					1.0235	-19.96650	-4.35313	96.40000	-3.5933	5.2532
0.092889	-3.5734	5.2668	0.21692							
					2.0470	-18.94300	-4.34925	96.40000	-2.6911	5.1151
0.088129	-2.6717	5.1253	0.21692							
					3.0705	-17.91950	-4.34537	96.40000	-1.7447	5.0538
0.088995	-1.7255	5.0604	0.21692							
					4.0940	-16.89600	-4.34150	96.40000	-0.57337	5.0262
0.090241	-0.55434	5.0283	0.21692							
					5.1175	-15.87250	-4.33763	96.40000	1.1829	5.0323
0.092872	1.2019	5.0278	0.21692							
					6.1410	-14.84900	-4.33375	96.40000	2.1548	5.0714
0.10164	2.1740	5.0632	0.21692							
					7.1646	-13.82550	-4.32987	96.40000	3.0899	5.1288
0.12551	3.1093	5.1170	0.21692							
					8.1881	-12.80200	-4.32600	96.40000	4.0859	5.2545
0.20989	4.1057	5.2390	0.21692							
	10	No 7 LG - Line 2			0.0	-12.70200	-4.32600	96.40000	4.1831	5.2748
0.22840	-5.2701	4.1889	270.06							
					1.0844	-12.70080	-5.41040	96.40000	2.2485	4.9596
0.40072	-4.9571	2.2540	270.06							
					2.1688	-12.69960	-6.49480	96.40000	1.1697	4.3658
0.35391	-4.3645	1.1746	270.06							
					3.2532	-12.69840	-7.57920	96.40000	0.59527	3.4047
0.16900	-3.4040	0.59903	270.06							
					4.3376	-12.69720	-8.66360	96.40000	0.24968	2.2351
0.048774	-2.2348	0.25216	270.06							
					5.4220	-12.69600	-9.74800	96.40000	0.022938	1.6434
0.0084623	-1.6434	0.024757	270.06							
	11	No 7 LG - Line 3			0.0	-12.69600	-9.84800	96.40000	0.0059553	1.6131
0.0032289	0.0059553	1.6131	0.0							
					0.93500	-11.76100	-9.84800	96.40000	0.015607	1.9988
0.013767	0.015607	1.9988	0.0							
					1.8700	-10.82600	-9.84800	96.40000	0.0	2.3800
0.016712	0.0	2.3800	0.0							
					2.8050	-9.89100	-9.84800	96.40000	0.0	2.7713
0.016712	0.0	2.7713	0.0							
	12	No 7 LG - Line 4			0.0	-9.89100	-9.94800	96.40000	0.0	2.7161
0.011499	-2.7157	0.048850	271.03							
					0.95449	-9.87383	-10.90233	96.40000	0.0	2.4693
0.0	-2.4689	0.044411	271.03							
					1.9090	-9.85667	-11.85667	96.40000	0.0	2.2401
0.0	-2.2397	0.040289	271.03							
					2.8635	-9.83950	-12.81100	96.40000	0.0	1.9834
0.0	-1.9831	0.035672	271.03							
					3.8180	-9.82233	-13.76533	96.40000	0.0	1.7069
0.0	-1.7066	0.030699	271.03							



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	-1.4153	0.025459	271.03		4.7724	-9.80517	-14.71967	96.40000	0.0	1.4156
0.0	-1.1127	0.020016	271.03		5.7269	-9.78800	-15.67400	96.40000	0.0	1.1129
0.0	0.0	-1.0805	180.00	No 7 LG - Line 5	0.0	-9.78800	-15.77400	96.40000	0.0	1.0805
0.0	0.0	-0.95848	180.00		0.98400	-10.77200	-15.77400	96.40000	0.0	0.95848
0.0	0.0	-0.82287	180.00		1.9680	-11.75600	-15.77400	96.40000	0.0	0.82287
0.0	0.0	-0.67913	180.00		2.9520	-12.74000	-15.77400	96.40000	0.0	0.67913
0.0	-0.65338	-0.038815	266.60	No 7 LG - Line 6	0.0	-12.74000	-15.87400	96.40000	0.0	0.65453
0.0	-0.40454	-0.024032	266.60		0.95107	-12.79640	-16.82340	96.40000	0.0	0.40525
0.0	-0.14405	-0.0085577	266.60		1.9021	-12.85280	-17.77280	96.40000	0.0	0.14431
0.0	0.0	0.0	266.60		2.8532	-12.90920	-18.72220	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		3.8043	-12.96560	-19.67160	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		4.7554	-13.02200	-20.62100	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		5.7064	-13.07840	-21.57040	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		6.6575	-13.13480	-22.51980	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		7.6086	-13.19120	-23.46920	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		8.5597	-13.24760	-24.41860	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		9.5107	-13.30400	-25.36800	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		10.462	-13.36040	-26.31740	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		11.413	-13.41680	-27.26680	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		12.364	-13.47320	-28.21620	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		13.315	-13.52960	-29.16560	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		14.266	-13.58600	-30.11500	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		0.0	-13.58600	-30.21500	96.40000	0.0	0.0
0.0	0.0	15	181.51	No 7 LG - Line 7	0.0	-13.58600	-30.21500	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		1.0545	-14.64010	-30.24270	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		2.1089	-15.69420	-30.27040	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		3.1634	-16.74830	-30.29810	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		4.2179	-17.80240	-30.32580	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		5.2723	-18.85650	-30.35350	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		6.3268	-19.91060	-30.38120	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		7.3812	-20.96470	-30.40890	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		8.4357	-22.01880	-30.43660	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		9.4902	-23.07290	-30.46430	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		10.545	-24.12700	-30.49200	96.40000	0.0	0.0
0.0	0.0	16	90.394	No 7 LG - Line 8	0.0	-24.22700	-30.49200	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		1.0190	-24.23400	-29.47300	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		2.0380	-24.24100	-28.45400	96.40000	0.0	0.0
0.0	0.0	17	180.47	No 7 LG - Line 9	0.0	-24.34100	-28.45400	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		0.72952	-25.07050	-28.46000	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		1.4590	-25.80000	-28.46600	96.40000	0.0	0.0



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	180.47							
		18	90.404	No 7 LG - Line 10	0.0	-25.90000	-28.46600	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		1.3465	-25.90950	-27.11950	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		2.6931	-25.91900	-25.77300	96.40000	0.0	0.0
0.0	0.0	19	0.47124	No 7 LG - Line 11	0.0	-25.81900	-25.77300	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		0.72952	-25.08950	-25.76700	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		1.4590	-24.36000	-25.76100	96.40000	0.0	0.0
0.0	0.0	20	90.404	No 7 LG - Line 12	0.0	-24.26000	-25.76100	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		0.99331	-24.26700	-24.76771	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		1.9866	-24.27400	-23.77443	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		2.9799	-24.28100	-22.78114	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		3.9732	-24.28800	-21.78786	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		4.9666	-24.29500	-20.79457	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		5.9599	-24.30200	-19.80129	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		6.9532	-24.30900	-18.80800	96.40000	0.0	0.0
0.0	0.0	21	180.00	No 7 LG - Line 13	0.0	-24.30900	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00		0.92900	-25.23800	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00		1.8580	-26.16700	-18.70800	96.40000	0.0	0.0
0.0	0.0	22	126.44	No 7 LG - Line 14	0.0	-26.26700	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	126.44		0.84069	-26.76633	-18.03167	96.40000	0.0	0.0
0.0	0.0	0.0	126.44		1.6814	-27.26567	-17.35533	96.40000	0.0	0.0
0.0	0.0	0.0	126.44		2.5221	-27.76500	-16.67900	96.40000	0.0	0.0
0.0	0.0	23	87.890	No 7 LG - Line 15	0.0	-27.76500	-16.57900	96.40000	0.0	0.0
0.0	0.0	0.0	87.890		1.0829	-27.72513	-15.49688	96.40000	0.0	0.0
0.0	0.0	0.0	87.890		2.1657	-27.68525	-14.41475	96.40000	0.0	0.0
0.0	0.0	0.0	87.890		3.2486	-27.64538	-13.33263	96.40000	0.0	0.0
0.0	0.0	0.0	87.890		4.3314	-27.60550	-12.25050	96.40000	0.0	0.0
0.0	0.0	0.0	87.890		5.4143	-27.56563	-11.16838	96.40000	0.0	0.0
0.0	0.013741	506.33E-6	87.890		6.4972	-27.52575	-10.08625	96.40000	0.0	0.013750
0.0	1.0951	0.040354	87.890		7.5800	-27.48588	-9.00413	96.40000	0.0	1.0959
0.0	2.1765	0.080202	87.890		8.6629	-27.44600	-7.92200	96.40000	0.0	2.1780
0.0	0.0019321	2.2780	0.048597	No 7 LG - Line 16	0.0	-27.44600	-7.82200	96.40000	0.0	2.2780
0.0	0.0019326	2.2785	0.048597		0.58950	-26.85650	-7.82150	96.40000	0.0	2.2785
0.0	0.0019330	2.2790	0.048597		1.1790	-26.26700	-7.82100	96.40000	0.0	2.2790
0.0	2.2790	-0.0024505	90.062	No 7 LG - Line 17	0.0	-26.16700	-7.82100	96.40000	0.0	2.2790
0.0	2.3720	-0.0025505	90.062		0.093000	-26.16710	-7.72800	96.40000	0.0	2.3720
0.0	2.4650	-0.0026505	90.062		0.18600	-26.16720	-7.63500	96.40000	0.0	2.4650
0.0	2.5580	-0.0027505	90.062		0.27900	-26.16730	-7.54200	96.40000	0.0	2.5580
0.0	2.6510	-0.0028505	90.062		0.37200	-26.16740	-7.44900	96.40000	0.0	2.6510



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	2.7440	-0.0029505	90.062		0.46500	-26.16750	-7.35600	96.40000	0.0	2.7440
0.0	2.8370	-0.0030505	90.062		0.55800	-26.16760	-7.26300	96.40000	0.0	2.8370
0.0	2.9300	-0.0031505	90.062		0.65100	-26.16770	-7.17000	96.40000	0.0	2.9300
0.0	3.0230	-0.0032505	90.062		0.74400	-26.16780	-7.07700	96.40000	0.0	3.0230
0.0	3.1160	-0.0033505	90.062		0.83700	-26.16790	-6.98400	96.40000	0.0	3.1160
0.0	3.2090	-0.0034505	90.062		0.93000	-26.16800	-6.89100	96.40000	0.0	3.2090
0.0	0.0032456	3.2090	0.057950	No 7 LG - Line 18	0.0	-26.06800	-6.89100	96.40000	0.0	3.2090
0.0	0.0032466	3.2100	0.057950		0.98871	-25.07929	-6.89000	96.40000	0.0	3.2100
0.0	0.0032477	3.2110	0.057950		1.9774	-24.09057	-6.88900	96.40000	0.0	3.2110
0.0	0.0032487	3.2120	0.057950		2.9661	-23.10186	-6.88800	96.40000	0.0	3.2120
0.0	0.0032786	3.2416	0.057950		3.9549	-22.11314	-6.88700	96.40000	0.0	3.2416
0.0	-0.64897	4.5882	0.057950		4.9436	-21.12443	-6.88600	96.40000	-0.65361	4.5876
0.0	-1.0097	3.8316	0.057950		5.9323	-20.13571	-6.88500	96.40000	-1.0136	3.8306
0.0	-1.0039	3.2565	0.057950		6.9210	-19.14700	-6.88400	96.40000	-1.0072	3.2555
0.0	3.2080	0.98889	90.000	No 7 LG - Line 19	0.0	-19.04700	-6.88400	96.40000	-0.98889	3.2080
0.0	3.3296	1.0574	90.000		0.11840	-19.04700	-6.76560	96.40000	-1.0574	3.3296
0.0	3.4469	1.1280	90.000		0.23680	-19.04700	-6.64720	96.40000	-1.1280	3.4469
0.0	3.5597	1.2009	90.000		0.35520	-19.04700	-6.52880	96.40000	-1.2009	3.5597
0.0	3.6679	1.2758	90.000		0.47360	-19.04700	-6.41040	96.40000	-1.2758	3.6679
0.0	3.7714	1.3530	90.000		0.59200	-19.04700	-6.29200	96.40000	-1.3530	3.7714
0.0	3.8701	1.4322	90.000		0.71040	-19.04700	-6.17360	96.40000	-1.4322	3.8701
0.0	3.9640	1.5135	90.000		0.82880	-19.04700	-6.05520	96.40000	-1.5135	3.9640
0.0	4.0530	1.5967	90.000		0.94720	-19.04700	-5.93680	96.40000	-1.5967	4.0530
0.0	4.1372	1.6818	90.000		1.0656	-19.04700	-5.81840	96.40000	-1.6818	4.1372
0.0	4.2164	1.7685	90.000		1.1840	-19.04700	-5.70000	96.40000	-1.7685	4.2164
0.0	1.8064	-4.2622	180.00	No 7 LG - Line 20	0.0	-19.14700	-5.70000	96.40000	-1.8064	4.2622
0.0	1.8674	-4.3539	180.00		0.18430	-19.33130	-5.70000	96.40000	-1.8674	4.3539
0.0	1.9157	-4.4559	180.00		0.36860	-19.51560	-5.70000	96.40000	-1.9157	4.4559
0.0	1.9493	-4.5697	180.00		0.55290	-19.69990	-5.70000	96.40000	-1.9493	4.5697
0.0	1.9662	-4.6968	180.00		0.73720	-19.88420	-5.70000	96.40000	-1.9662	4.6968
0.0	1.9641	-4.8389	180.00		0.92150	-20.06850	-5.70000	96.40000	-1.9641	4.8389
0.0	1.9402	-4.9980	180.00		1.1058	-20.25280	-5.70000	96.40000	-1.9402	4.9980
0.0	1.8915	-5.1760	180.00		1.2901	-20.43710	-5.70000	96.40000	-1.8915	5.1760
0.0041238	1.8261	-5.3876	180.00		1.4744	-20.62140	-5.70000	96.40000	-1.8261	5.3876
0.0098262	1.7347	-5.6336	180.00		1.6587	-20.80570	-5.70000	96.40000	-1.7347	5.6336
0.015154	1.6038	-5.9057	180.00		1.8430	-20.99000	-5.70000	96.40000	-1.6038	5.9057
0.018218	6.0645	1.5153	90.000	No 7 LG - Line 21	0.0	-21.09000	-5.70000	96.40000	-1.5153	6.0645
0.025928	6.1785	1.6811	90.000		0.13430	-21.09000	-5.56570	96.40000	-1.6811	6.1785
					0.26860	-21.09000	-5.43140	96.40000	-1.8682	6.2668



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.036065	6.2668	1.8682	90.000							
					0.40290	-21.09000	-5.29710	96.40000	-2.0799	6.3251
0.049024	6.3251	2.0799	90.000							
					0.53720	-21.09000	-5.16280	96.40000	-2.3198	6.3777
0.069757	6.3777	2.3198	90.000							
					0.67150	-21.09000	-5.02850	96.40000	-2.5920	6.4058
0.094365	6.4058	2.5920	90.000							
					0.80580	-21.09000	-4.89420	96.40000	-2.9002	6.3884
0.12144	6.3884	2.9002	90.000							
					0.94010	-21.09000	-4.75990	96.40000	-3.2471	6.3205
0.15185	6.3205	3.2471	90.000							
					1.0744	-21.09000	-4.62560	96.40000	-3.6337	6.1989
0.18586	6.1989	3.6337	90.000							
					1.2087	-21.09000	-4.49130	96.40000	-4.0573	6.0237
0.22323	6.0237	4.0573	90.000							
					1.3430	-21.09000	-4.35700	96.40000	-4.5101	5.7999
0.26340	5.7999	4.5101	90.000							
					0.0	-24.32700	-30.49200	96.40000	0.0	0.0
0.0	0.0	30	177.13	No 7 LG - Line 22						
					0.95720	-25.28300	-30.44414	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					1.9144	-26.23900	-30.39629	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					2.8716	-27.19500	-30.34843	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					3.8288	-28.15100	-30.30057	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					4.7860	-29.10700	-30.25271	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					5.7432	-30.06300	-30.20486	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					6.7004	-31.01900	-30.15700	96.40000	0.0	0.0
0.0	0.0	0.0	177.13							
					0.0	-31.11900	-30.15700	96.40000	0.0	0.0
0.0	0.0	31	89.957	No 7 LG - Line 23						
					0.98917	-31.11825	-29.16783	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					1.9783	-31.11750	-28.17867	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					2.9675	-31.11675	-27.18950	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					3.9567	-31.11600	-26.20033	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					4.9458	-31.11525	-25.21117	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					5.9350	-31.11450	-24.22200	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					6.9242	-31.11375	-23.23283	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					7.9133	-31.11300	-22.24367	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					8.9025	-31.11225	-21.25450	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					9.8917	-31.11150	-20.26533	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					10.881	-31.11075	-19.27617	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					11.870	-31.11000	-18.28700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					12.859	-31.10925	-17.29783	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					13.848	-31.10850	-16.30867	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					14.838	-31.10775	-15.31950	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					15.827	-31.10700	-14.33033	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					16.816	-31.10625	-13.34117	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					17.805	-31.10550	-12.35200	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					18.794	-31.10475	-11.36283	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					19.783	-31.10400	-10.37367	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					20.773	-31.10325	-9.38450	96.40000	0.0	0.71550
0.0	0.71550	542.50E-6	89.957							



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	1.7047	0.0012925	89.957		21.762	-31.10250	-8.39533	96.40000	0.0	1.7047
0.0	2.6938	0.0020425	89.957		22.751	-31.10175	-7.40617	96.40000	0.0	2.6938
0.0	3.6830	0.0027925	89.957		23.740	-31.10100	-6.41700	96.40000	0.0	3.6830
0.0	0.22052	3.6764	3.4327	No 7 LG - Line 24	0.0	-31.00100	-6.41700	96.40000	0.0	3.6830
0.0	0.22398	3.7341	3.4327		0.96533	-30.03740	-6.35920	96.40000	0.0	3.7408
0.0029315	0.22841	3.8080	3.4327		1.9307	-29.07380	-6.30140	96.40000	0.0	3.8148
0.0058547	0.23303	3.8849	3.4327		2.8960	-28.11020	-6.24360	96.40000	0.0	3.8919
0.0085533	0.23764	3.9618	3.4327		3.8613	-27.14660	-6.18580	96.40000	0.0	3.9689
0.011207	0.24226	4.0387	3.4327		4.8267	-26.18300	-6.12800	96.40000	0.0	4.0460
0.011207	0.35257	4.0306	4.9990	No 7 LG - Line 25	0.0	-26.08300	-6.12800	96.40000	0.0	4.0460
0.015413	0.36251	4.1443	4.9990		0.98234	-25.10440	-6.04240	96.40000	0.0	4.1601
0.020402	0.37246	4.2580	4.9990		1.9647	-24.12580	-5.95680	96.40000	0.0	4.2743
0.026638	0.38240	4.3717	4.9990		2.9470	-23.14720	-5.87120	96.40000	0.0	4.3884
0.034539	0.39415	4.5060	4.9990		3.9293	-22.16860	-5.78560	96.40000	0.0	4.5232
0.021468	-0.86588	6.3305	4.9990		4.9117	-21.19000	-5.70000	96.40000	-1.4142	6.2309
0.0	0.0	0.0	90.000	Thames Water Asset	0.0	2.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		1.0000	2.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	2.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		3.0000	2.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		4.0000	2.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	2.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	2.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	2.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	2.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	2.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		10.000	2.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	2.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	2.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	2.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	2.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	2.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	2.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	2.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	2.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	2.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	2.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	2.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	2.00000	-18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		23.000	2.00000	-17.00000	98.75000	0.0	0.0



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		24.000	2.00000	-16.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		25.000	2.00000	-15.00000	98.75000	-0.12621	0.14118
0.0	0.14118	0.12621	90.000		26.000	2.00000	-14.00000	98.75000	-0.31832	0.32402
0.0	0.32402	0.31832	90.000		27.000	2.00000	-13.00000	98.75000	-0.52760	0.48533
0.0	0.48533	0.52760	90.000		28.000	2.00000	-12.00000	98.75000	-0.75467	0.62257
0.0	0.62257	0.75467	90.000		29.000	2.00000	-11.00000	98.75000	-0.96645	0.75169
0.0	0.75169	0.96645	90.000		30.000	2.00000	-10.00000	98.75000	-1.1482	0.89303
0.0	0.89303	1.1482	90.000		31.000	2.00000	-9.00000	98.75000	-1.3299	1.0344
0.0	1.0344	1.3299	90.000		32.000	2.00000	-8.00000	98.75000	-1.5116	1.1757
0.0	1.1757	1.5116	90.000		33.000	2.00000	-7.00000	98.75000	-1.7029	1.2907
0.0	1.2907	1.7029	90.000		34.000	2.00000	-6.00000	98.75000	-1.9460	1.2193
0.0	1.2193	1.9460	90.000		35.000	2.00000	-5.00000	98.75000	-2.1861	1.0709
0.0	1.0709	2.1861	90.000		36.000	2.00000	-4.00000	98.75000	-2.4167	0.84746
0.0	0.84746	2.4167	90.000		37.000	2.00000	-3.00000	98.75000	-2.6284	0.55859
0.0	0.55859	2.6284	90.000		38.000	2.00000	-2.00000	98.75000	-2.8093	0.22355
0.0	0.22355	2.8093	90.000		39.000	2.00000	-1.00000	98.75000	-2.8578	0.15041
0.0	0.15041	2.8578	90.000		40.000	2.00000	0.00000	98.75000	-2.8774	0.15144
0.0	0.15144	2.8774	90.000		41.000	2.00000	1.00000	98.75000	-2.8971	0.15248
0.0	0.15248	2.8971	90.000		42.000	2.00000	2.00000	98.75000	-2.9168	0.15352
0.0	0.15352	2.9168	90.000		43.000	2.00000	3.00000	98.75000	-2.9365	0.15455
0.0	0.15455	2.9365	90.000		44.000	2.00000	4.00000	98.75000	-2.9562	0.15559
0.0	0.15559	2.9562	90.000		45.000	2.00000	5.00000	98.75000	-2.9759	0.15662
0.0	0.15662	2.9759	90.000		46.000	2.00000	6.00000	98.75000	-2.9505	0.11092
0.0	0.11092	2.9505	90.000		47.000	2.00000	7.00000	98.75000	-2.6735	-0.16500
0.0	-0.16500	2.6735	90.000		48.000	2.00000	8.00000	98.75000	-2.3650	-0.42181
0.0	-0.42181	2.3650	90.000		49.000	2.00000	9.00000	98.75000	-2.0486	-0.63858
0.0	-0.63858	2.0486	90.000		50.000	2.00000	10.00000	98.75000	-1.7421	-0.80200
0.0	-0.80200	1.7421	90.000		51.000	2.00000	11.00000	98.75000	-1.4568	-0.90666
0.0	-0.90666	1.4568	90.000		52.000	2.00000	12.00000	98.75000	-1.1981	-0.95324
0.0	-0.95324	1.1981	90.000		53.000	2.00000	13.00000	98.75000	-0.96705	-0.94606
0.0	-0.94606	0.96705	90.000		54.000	2.00000	14.00000	98.75000	-0.76253	-0.89111
0.0	-0.89111	0.76253	90.000		55.000	2.00000	15.00000	98.75000	-0.58213	-0.79472
0.0	-0.79472	0.58213	90.000		56.000	2.00000	16.00000	98.75000	-0.42305	-0.66288
0.0	-0.66288	0.42305	90.000		57.000	2.00000	17.00000	98.75000	-0.28255	-0.50090
0.0	-0.50090	0.28255	90.000		58.000	2.00000	18.00000	98.75000	-0.15809	-0.31335
0.0	-0.31335	0.15809	90.000		59.000	2.00000	19.00000	98.75000	-0.047442	-0.10411
0.0	-0.10411	0.047442	90.000		60.000	2.00000	20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		61.000	2.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		62.000	2.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	2.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	2.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	2.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	2.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	2.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	2.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	2.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	2.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	35	90.000	Lyndhurst Terrace Curb Line	0.0	-1.00000	-40.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		1.0000	-1.00000	-39.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	-1.00000	-38.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		3.0000	-1.00000	-37.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		4.0000	-1.00000	-36.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	-1.00000	-35.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	-1.00000	-34.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	-1.00000	-33.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	-1.00000	-32.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	-1.00000	-31.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		10.000	-1.00000	-30.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	-1.00000	-29.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	-1.00000	-28.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	-1.00000	-27.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	-1.00000	-26.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	-1.00000	-25.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	-1.00000	-24.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	-1.00000	-23.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	-1.00000	-22.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	-1.00000	-21.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	-1.00000	-20.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	-1.00000	-19.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	-1.00000	-18.00000	99.25000	0.0	0.0
0.0	0.16688	0.084275	90.000		23.000	-1.00000	-17.00000	99.25000	-0.084275	0.16688
0.0	0.42559	0.23432	90.000		24.000	-1.00000	-16.00000	99.25000	-0.23432	0.42559
0.0	0.66831	0.40399	90.000		25.000	-1.00000	-15.00000	99.25000	-0.40399	0.66831
0.0	0.89196	0.59675	90.000		26.000	-1.00000	-14.00000	99.25000	-0.59675	0.89196
0.0	1.0927	0.81669	90.000		27.000	-1.00000	-13.00000	99.25000	-0.81669	1.0927
0.0	1.2661	1.0685	90.000		28.000	-1.00000	-12.00000	99.25000	-1.0685	1.2661
0.0			90.000		29.000	-1.00000	-11.00000	99.25000	-1.3571	1.4064



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	1.4064	1.3571	90.000							
					30.000	-1.00000	-10.00000	99.25000	-1.6878	1.5076
0.0	1.5076	1.6878	90.000							
					31.000	-1.00000	-9.00000	99.25000	-2.0309	1.5796
0.0	1.5796	2.0309	90.000							
					32.000	-1.00000	-8.00000	99.25000	-2.2126	1.7209
0.0	1.7209	2.2126	90.000							
					33.000	-1.00000	-7.00000	99.25000	-2.3943	1.8623
0.0	1.8623	2.3943	90.000							
					34.000	-1.00000	-6.00000	99.25000	-2.5761	2.0036
0.0	2.0036	2.5761	90.000							
					35.000	-1.00000	-5.00000	99.25000	-2.7578	2.1450
0.0	2.1450	2.7578	90.000							
					36.000	-1.00000	-4.00000	99.25000	-3.2325	1.9262
0.026132	1.9262	3.2325	90.000							
					37.000	-1.00000	-3.00000	99.25000	-3.7517	1.3632
0.048478	1.3632	3.7517	90.000							
					38.000	-1.00000	-2.00000	99.25000	-4.2243	0.56210
0.065562	0.56210	4.2243	90.000							
					39.000	-1.00000	-1.00000	99.25000	-4.3964	0.23139
0.071245	0.23139	4.3964	90.000							
					40.000	-1.00000	0.00000	99.25000	-4.4336	0.23335
0.075952	0.23335	4.4336	90.000							
					41.000	-1.00000	1.00000	99.25000	-4.4708	0.23531
0.080940	0.23531	4.4708	90.000							
					42.000	-1.00000	2.00000	99.25000	-4.5080	0.23726
0.086222	0.23726	4.5080	90.000							
					43.000	-1.00000	3.00000	99.25000	-4.5452	0.23922
0.091811	0.23922	4.5452	90.000							
					44.000	-1.00000	4.00000	99.25000	-4.5823	0.24118
0.097720	0.24118	4.5823	90.000							
					45.000	-1.00000	5.00000	99.25000	-4.6195	0.24313
0.10396	0.24313	4.6195	90.000							
					46.000	-1.00000	6.00000	99.25000	-4.6492	0.23715
0.11054	0.23715	4.6492	90.000							
					47.000	-1.00000	7.00000	99.25000	-3.8952	-0.50495
0.10135	-0.50495	3.8952	90.000							
					48.000	-1.00000	8.00000	99.25000	-3.1021	-1.1233
0.070084	-1.1233	3.1021	90.000							
					49.000	-1.00000	9.00000	99.25000	-2.3868	-1.5257
0.037143	-1.5257	2.3868	90.000							
					50.000	-1.00000	10.00000	99.25000	-1.7920	-1.7031
0.0065874	-1.7031	1.7920	90.000							
					51.000	-1.00000	11.00000	99.25000	-1.4026	-1.8036
0.0	-1.8036	1.4026	90.000							
					52.000	-1.00000	12.00000	99.25000	-1.1078	-1.8152
0.0	-1.8152	1.1078	90.000							
					53.000	-1.00000	13.00000	99.25000	-0.87219	-1.7472
0.0	-1.7472	0.87219	90.000							
					54.000	-1.00000	14.00000	99.25000	-0.68144	-1.6196
0.0	-1.6196	0.68144	90.000							
					55.000	-1.00000	15.00000	99.25000	-0.52490	-1.4468
0.0	-1.4468	0.52490	90.000							
					56.000	-1.00000	16.00000	99.25000	-0.39468	-1.2397
0.0	-1.2397	0.39468	90.000							
					57.000	-1.00000	17.00000	99.25000	-0.28500	-1.0058
0.0	-1.0058	0.28500	90.000							
					58.000	-1.00000	18.00000	99.25000	-0.19153	-0.75080
0.0	-0.75080	0.19153	90.000							
					59.000	-1.00000	19.00000	99.25000	-0.11106	-0.47902
0.0	-0.47902	0.11106	90.000							
					60.000	-1.00000	20.00000	99.25000	-0.041130	-0.19364
0.0	-0.19364	0.041130	90.000							
					61.000	-1.00000	21.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							
					62.000	-1.00000	22.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							
					63.000	-1.00000	23.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							
					64.000	-1.00000	24.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							
					65.000	-1.00000	25.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							
					66.000	-1.00000	26.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							
					67.000	-1.00000	27.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000							



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Name Angle	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000	68.000	-1.00000	28.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000	69.000	-1.00000	29.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000	70.000	-1.00000	30.00000	99.25000	0.0	0.0
0.0	0.0	36	Cadent Gas Asset 90.000	0.0	0.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	1.0000	0.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	2.0000	0.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	3.0000	0.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	4.0000	0.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	5.0000	0.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	6.0000	0.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	7.0000	0.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	8.0000	0.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	9.0000	0.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	10.000	0.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	11.000	0.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	12.000	0.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	13.000	0.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	14.000	0.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	15.000	0.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	16.000	0.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	17.000	0.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	18.000	0.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	19.000	0.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	20.000	0.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	21.000	0.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000	22.000	0.00000	-18.00000	98.75000	0.0	0.0
0.0	0.022773	0.013400	90.000	23.000	0.00000	-17.00000	98.75000	-0.013400	0.022773
0.0	0.26659	0.17085	90.000	24.000	0.00000	-16.00000	98.75000	-0.17085	0.26659
0.0	0.49371	0.34688	90.000	25.000	0.00000	-15.00000	98.75000	-0.34688	0.49371
0.0	0.70128	0.54422	90.000	26.000	0.00000	-14.00000	98.75000	-0.54422	0.70128
0.0	0.88593	0.76582	90.000	27.000	0.00000	-13.00000	98.75000	-0.76582	0.88593
0.0	1.0438	1.0148	90.000	28.000	0.00000	-12.00000	98.75000	-1.0148	1.0438
0.0	1.1704	1.2940	90.000	29.000	0.00000	-11.00000	98.75000	-1.2940	1.1704
0.0	1.2612	1.6057	90.000	30.000	0.00000	-10.00000	98.75000	-1.6057	1.2612
0.0	1.3978	1.7972	90.000	31.000	0.00000	-9.00000	98.75000	-1.7972	1.3978
0.0	1.5392	1.9790	90.000	32.000	0.00000	-8.00000	98.75000	-1.9790	1.5392
0.0	1.6805	2.1607	90.000	33.000	0.00000	-7.00000	98.75000	-2.1607	1.6805
0.0	1.8219	2.3424	90.000	34.000	0.00000	-6.00000	98.75000	-2.3424	1.8219
0.0			90.000	35.000	0.00000	-5.00000	98.75000	-2.5992	1.7442



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	1.7442	2.5992	90.000		36.000	0.00000	-4.00000	98.75000	-2.9127	1.4120
0.0	1.4120	2.9127	90.000		37.000	0.00000	-3.00000	98.75000	-3.2236	0.94784
0.0	0.94784	3.2236	90.000		38.000	0.00000	-2.00000	98.75000	-3.5735	0.38756
0.010982	0.38756	3.5735	90.000		39.000	0.00000	-1.00000	98.75000	-3.6901	0.19421
0.014033	0.19421	3.6901	90.000		40.000	0.00000	0.00000	98.75000	-3.7272	0.19617
0.016543	0.19617	3.7272	90.000		41.000	0.00000	1.00000	98.75000	-3.7644	0.19813
0.018996	0.19813	3.7644	90.000		42.000	0.00000	2.00000	98.75000	-3.8016	0.20008
0.021414	0.20008	3.8016	90.000		43.000	0.00000	3.00000	98.75000	-3.8388	0.20204
0.023817	0.20204	3.8388	90.000		44.000	0.00000	4.00000	98.75000	-3.8760	0.20400
0.026226	0.20400	3.8760	90.000		45.000	0.00000	5.00000	98.75000	-3.9131	0.20595
0.028662	0.20595	3.9131	90.000		46.000	0.00000	6.00000	98.75000	-3.9194	0.17557
0.031126	0.17557	3.9194	90.000		47.000	0.00000	7.00000	98.75000	-3.3994	-0.33029
0.028315	-0.33029	3.3994	90.000		48.000	0.00000	8.00000	98.75000	-2.8157	-0.76803
0.016770	-0.76803	2.8157	90.000		49.000	0.00000	9.00000	98.75000	-2.2672	-1.0863
0.0	-1.0863	2.2672	90.000		50.000	0.00000	10.00000	98.75000	-1.8524	-1.3174
0.0	-1.3174	1.8524	90.000		51.000	0.00000	11.00000	98.75000	-1.4999	-1.4450
0.0	-1.4450	1.4999	90.000		52.000	0.00000	12.00000	98.75000	-1.2050	-1.4833
0.0	-1.4833	1.2050	90.000		53.000	0.00000	13.00000	98.75000	-0.95939	-1.4486
0.0	-1.4486	0.95939	90.000		54.000	0.00000	14.00000	98.75000	-0.75414	-1.3558
0.0	-1.3558	0.75414	90.000		55.000	0.00000	15.00000	98.75000	-0.58150	-1.2166
0.0	-1.2166	0.58150	90.000		56.000	0.00000	16.00000	98.75000	-0.43512	-1.0407
0.0	-1.0407	0.43512	90.000		57.000	0.00000	17.00000	98.75000	-0.30993	-0.83535
0.0	-0.83535	0.30993	90.000		58.000	0.00000	18.00000	98.75000	-0.20196	-0.60628
0.0	-0.60628	0.20196	90.000		59.000	0.00000	19.00000	98.75000	-0.10808	-0.35787
0.0	-0.35787	0.10808	90.000		60.000	0.00000	20.00000	98.75000	-0.025830	-0.093572
0.0	-0.093572	0.025830	90.000		61.000	0.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	0.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	0.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	0.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	0.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	0.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	0.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	0.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	0.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	0.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		0.0	-2.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	37 UKPN Asset 0.0	90.000		1.0000	-2.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	-2.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		3.0000	-2.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		4.0000	-2.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	-2.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	-2.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	-2.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	-2.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	-2.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		10.0000	-2.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		11.0000	-2.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		12.0000	-2.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		13.0000	-2.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		14.0000	-2.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		15.0000	-2.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		16.0000	-2.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		17.0000	-2.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		18.0000	-2.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		19.0000	-2.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		20.0000	-2.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		21.0000	-2.00000	-19.00000	98.75000	0.0	0.0
0.0	0.016200	0.0063039	90.000		22.0000	-2.00000	-18.00000	98.75000	-0.0063039	0.016200
0.0	0.30354	0.12804	90.000		23.0000	-2.00000	-17.00000	98.75000	-0.12804	0.30354
0.0	0.57868	0.26630	90.000		24.0000	-2.00000	-16.00000	98.75000	-0.26630	0.57868
0.0	0.83907	0.42437	90.000		25.0000	-2.00000	-15.00000	98.75000	-0.42437	0.83907
0.0	1.0815	0.60632	90.000		26.0000	-2.00000	-14.00000	98.75000	-0.60632	1.0815
0.0	1.3019	0.81725	90.000		27.0000	-2.00000	-13.00000	98.75000	-0.81725	1.3019
0.0	1.4951	1.0634	90.000		28.0000	-2.00000	-12.00000	98.75000	-1.0634	1.4951
0.0	1.6546	1.3524	90.000		29.0000	-2.00000	-11.00000	98.75000	-1.3524	1.6546
0.0	1.7723	1.6928	90.000		30.0000	-2.00000	-10.00000	98.75000	-1.6928	1.7723
0.0	1.8386	2.0939	90.000		31.0000	-2.00000	-9.00000	98.75000	-2.0939	1.8386
0.0	1.9026	2.4463	90.000		32.0000	-2.00000	-8.00000	98.75000	-2.4463	1.9026
0.0	2.0440	2.6280	90.000		33.0000	-2.00000	-7.00000	98.75000	-2.6280	2.0440
0.0070913	2.2093	2.8405	90.000		34.0000	-2.00000	-6.00000	98.75000	-2.8405	2.2093
0.036558	2.4763	3.1838	90.000		35.0000	-2.00000	-5.00000	98.75000	-3.1838	2.4763
0.079736	2.7094	3.5396	90.000		36.0000	-2.00000	-4.00000	98.75000	-3.5396	2.7094
0.14647	1.9830	4.1872	90.000		37.0000	-2.00000	-3.00000	98.75000	-4.1872	1.9830
0.20315	0.83500	4.8352	90.000		38.0000	-2.00000	-2.00000	98.75000	-4.8352	0.83500
0.22007	0.26857	5.1028	90.000		39.0000	-2.00000	-1.00000	98.75000	-5.1028	0.26857
0.23199	0.27053	5.1400	90.000		40.0000	-2.00000	0.00000	98.75000	-5.1400	0.27053
					41.0000	-2.00000	1.00000	98.75000	-5.1772	0.27248



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.24439	0.27248	5.1772	90.000		42.000	-2.00000	2.00000	98.75000	-5.2144	0.27444
0.25725	0.27444	5.2144	90.000		43.000	-2.00000	3.00000	98.75000	-5.2515	0.27640
0.27058	0.27640	5.2515	90.000		44.000	-2.00000	4.00000	98.75000	-5.2887	0.27835
0.28440	0.27835	5.2887	90.000		45.000	-2.00000	5.00000	98.75000	-5.3259	0.28031
0.29869	0.28031	5.3259	90.000		46.000	-2.00000	6.00000	98.75000	-5.3631	0.28227
0.31347	0.28227	5.3631	90.000		47.000	-2.00000	7.00000	98.75000	-4.2722	-0.79778
0.28618	-0.79778	4.2722	90.000		48.000	-2.00000	8.00000	98.75000	-3.1830	-1.6669
0.19367	-1.6669	3.1830	90.000		49.000	-2.00000	9.00000	98.75000	-2.3166	-2.1516
0.098467	-2.1516	2.3166	90.000		50.000	-2.00000	10.00000	98.75000	-1.6734	-2.3068
0.039303	-2.3068	1.6734	90.000		51.000	-2.00000	11.00000	98.75000	-1.2035	-2.2339
0.0	-2.2339	1.2035	90.000		52.000	-2.00000	12.00000	98.75000	-0.93267	-2.1932
0.0	-2.1932	0.93267	90.000		53.000	-2.00000	13.00000	98.75000	-0.72533	-2.0734
0.0	-2.0734	0.72533	90.000		54.000	-2.00000	14.00000	98.75000	-0.56266	-1.8981
0.0	-1.8981	0.56266	90.000		55.000	-2.00000	15.00000	98.75000	-0.43221	-1.6830
0.0	-1.6830	0.43221	90.000		56.000	-2.00000	16.00000	98.75000	-0.32558	-1.4385
0.0	-1.4385	0.32558	90.000		57.000	-2.00000	17.00000	98.75000	-0.23695	-1.1719
0.0	-1.1719	0.23695	90.000		58.000	-2.00000	18.00000	98.75000	-0.16222	-0.88825
0.0	-0.88825	0.16222	90.000		59.000	-2.00000	19.00000	98.75000	-0.098415	-0.59120
0.0	-0.59120	0.098415	90.000		60.000	-2.00000	20.00000	98.75000	-0.043339	-0.28345
0.0	-0.28345	0.043339	90.000		61.000	-2.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	-2.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	-2.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	-2.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	-2.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	-2.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	-2.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	-2.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	-2.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	-2.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							

Displacement Results - Displacement Grids

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
0	Base Model 1	Grid 1	Grid 1	-40.00000	-40.00000	99.75000	0.0	0.0	0.0032978	*
				-39.00000	-40.00000	99.75000	0.0	0.0	0.0034265	*
				-38.00000	-40.00000	99.75000	0.0	0.0	0.0035464	*
				-37.00000	-40.00000	99.75000	0.0	0.0	0.0036562	*
				-36.00000	-40.00000	99.75000	0.0	0.0	0.0037548	*
				-35.00000	-40.00000	99.75000	0.0	0.0	0.0038412	*
				-34.00000	-40.00000	99.75000	0.0	0.0	0.0039146	*
				-33.00000	-40.00000	99.75000	0.0	0.0	0.0039739	*
				-32.00000	-40.00000	99.75000	0.0	0.0	0.0040185	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-31.00000	-40.00000	99.75000	0.0	0.0	0.0040478	*
				-30.00000	-40.00000	99.75000	0.0	0.0	0.0040613	*
				-29.00000	-40.00000	99.75000	0.0	0.0	0.0040585	*
				-28.00000	-40.00000	99.75000	0.0	0.0	0.0040395	*
				-27.00000	-40.00000	99.75000	0.0	0.0	0.0040041	*
				-26.00000	-40.00000	99.75000	0.0	0.0	0.0039526	*
				-25.00000	-40.00000	99.75000	0.0	0.0	0.0038853	*
				-24.00000	-40.00000	99.75000	0.0	0.0	0.0038028	*
				-23.00000	-40.00000	99.75000	0.0	0.0	0.0037056	*
				-22.00000	-40.00000	99.75000	0.0	0.0	0.0035948	*
				-21.00000	-40.00000	99.75000	0.0	0.0	0.0034712	*
				-20.00000	-40.00000	99.75000	0.0	0.0	0.0033362	*
				-19.00000	-40.00000	99.75000	0.0	0.0	0.0031909	*
				-18.00000	-40.00000	99.75000	0.0	0.0	0.0030368	*
				-17.00000	-40.00000	99.75000	0.0	0.0	0.0028754	*
				-16.00000	-40.00000	99.75000	0.0	0.0	0.0027083	*
				-15.00000	-40.00000	99.75000	0.0	0.0	0.0025370	*
				-14.00000	-40.00000	99.75000	0.0	0.0	0.0023632	*
				-13.00000	-40.00000	99.75000	0.0	0.0	0.0021886	*
				-12.00000	-40.00000	99.75000	0.0	0.0	0.0020148	*
				-11.00000	-40.00000	99.75000	0.0	0.0	0.0018432	*
				-10.00000	-40.00000	99.75000	0.0	0.0	0.0016755	*
				-9.00000	-40.00000	99.75000	0.0	0.0	0.0015130	*
				-8.00000	-40.00000	99.75000	0.0	0.0	0.0013570	*
				-7.00000	-40.00000	99.75000	0.0	0.0	0.0012087	*
				-6.00000	-40.00000	99.75000	0.0	0.0	0.0010690	*
				-5.00000	-40.00000	99.75000	0.0	0.0	938.81E-6	*
				-4.00000	-40.00000	99.75000	0.0	0.0	818.89E-6	*
				-3.00000	-40.00000	99.75000	0.0	0.0	709.76E-6	*
				-2.00000	-40.00000	99.75000	0.0	0.0	611.81E-6	*
				-1.00000	-40.00000	99.75000	0.0	0.0	525.26E-6	*
				0.00000	-40.00000	99.75000	0.0	0.0	450.20E-6	*
				1.00000	-40.00000	99.75000	0.0	0.0	0.0	
				2.00000	-40.00000	99.75000	0.0	0.0	0.0	
				3.00000	-40.00000	99.75000	0.0	0.0	0.0	
				4.00000	-40.00000	99.75000	0.0	0.0	0.0	
				5.00000	-40.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-39.00000	99.75000	0.0	0.0	0.0037364	*
				-39.00000	-39.00000	99.75000	0.0	0.0	0.0038802	*
				-38.00000	-39.00000	99.75000	0.0	0.0	0.0040139	*
				-37.00000	-39.00000	99.75000	0.0	0.0	0.0041363	*
				-36.00000	-39.00000	99.75000	0.0	0.0	0.0042460	*
				-35.00000	-39.00000	99.75000	0.0	0.0	0.0043419	*
				-34.00000	-39.00000	99.75000	0.0	0.0	0.0044228	*
				-33.00000	-39.00000	99.75000	0.0	0.0	0.0044878	*
				-32.00000	-39.00000	99.75000	0.0	0.0	0.0045360	*
				-31.00000	-39.00000	99.75000	0.0	0.0	0.0045665	*
				-30.00000	-39.00000	99.75000	0.0	0.0	0.0045790	*
				-29.00000	-39.00000	99.75000	0.0	0.0	0.0045728	*
				-28.00000	-39.00000	99.75000	0.0	0.0	0.0045479	*
				-27.00000	-39.00000	99.75000	0.0	0.0	0.0045042	*
				-26.00000	-39.00000	99.75000	0.0	0.0	0.0044419	*
				-25.00000	-39.00000	99.75000	0.0	0.0	0.0043615	*
				-24.00000	-39.00000	99.75000	0.0	0.0	0.0042634	*
				-23.00000	-39.00000	99.75000	0.0	0.0	0.0041485	*
				-22.00000	-39.00000	99.75000	0.0	0.0	0.0040178	*
				-21.00000	-39.00000	99.75000	0.0	0.0	0.0038726	*
				-20.00000	-39.00000	99.75000	0.0	0.0	0.0037140	*
				-19.00000	-39.00000	99.75000	0.0	0.0	0.0035437	*
				-18.00000	-39.00000	99.75000	0.0	0.0	0.0033633	*
				-17.00000	-39.00000	99.75000	0.0	0.0	0.0031745	*
				-16.00000	-39.00000	99.75000	0.0	0.0	0.0029792	*
				-15.00000	-39.00000	99.75000	0.0	0.0	0.0027792	*
				-14.00000	-39.00000	99.75000	0.0	0.0	0.0025765	*
				-13.00000	-39.00000	99.75000	0.0	0.0	0.0023729	*
				-12.00000	-39.00000	99.75000	0.0	0.0	0.0021705	*
				-11.00000	-39.00000	99.75000	0.0	0.0	0.0019708	*
				-10.00000	-39.00000	99.75000	0.0	0.0	0.0017758	*
				-9.00000	-39.00000	99.75000	0.0	0.0	0.0015871	*
				-8.00000	-39.00000	99.75000	0.0	0.0	0.0014060	*
				-7.00000	-39.00000	99.75000	0.0	0.0	0.0012340	*
				-6.00000	-39.00000	99.75000	0.0	0.0	0.0010722	*
				-5.00000	-39.00000	99.75000	0.0	0.0	921.65E-6	*
				-4.00000	-39.00000	99.75000	0.0	0.0	783.08E-6	*
				-3.00000	-39.00000	99.75000	0.0	0.0	657.13E-6	*
				-2.00000	-39.00000	99.75000	0.0	0.0	544.22E-6	*
				-1.00000	-39.00000	99.75000	0.0	0.0	444.59E-6	*



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Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Stage: Ref.	Stage: Name	Disp: Grid: Ref.	Disp: Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				0.00000	-39.00000	99.75000	0.0	0.0	358.31E-6	*
				1.00000	-39.00000	99.75000	0.0	0.0	0.0	
				2.00000	-39.00000	99.75000	0.0	0.0	0.0	
				3.00000	-39.00000	99.75000	0.0	0.0	0.0	
				4.00000	-39.00000	99.75000	0.0	0.0	0.0	
				5.00000	-39.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-38.00000	99.75000	0.0	0.0	0.0042248	*
				-39.00000	-38.00000	99.75000	0.0	0.0	0.0043859	*
				-38.00000	-38.00000	99.75000	0.0	0.0	0.0045357	*
				-37.00000	-38.00000	99.75000	0.0	0.0	0.0046727	*
				-36.00000	-38.00000	99.75000	0.0	0.0	0.0047954	*
				-35.00000	-38.00000	99.75000	0.0	0.0	0.0049024	*
				-34.00000	-38.00000	99.75000	0.0	0.0	0.0049923	*
				-33.00000	-38.00000	99.75000	0.0	0.0	0.0050641	*
				-32.00000	-38.00000	99.75000	0.0	0.0	0.0051166	*
				-31.00000	-38.00000	99.75000	0.0	0.0	0.0051490	*
				-30.00000	-38.00000	99.75000	0.0	0.0	0.0051605	*
				-29.00000	-38.00000	99.75000	0.0	0.0	0.0051508	*
				-28.00000	-38.00000	99.75000	0.0	0.0	0.0051194	*
				-27.00000	-38.00000	99.75000	0.0	0.0	0.0050664	*
				-26.00000	-38.00000	99.75000	0.0	0.0	0.0049920	*
				-25.00000	-38.00000	99.75000	0.0	0.0	0.0048967	*
				-24.00000	-38.00000	99.75000	0.0	0.0	0.0047810	*
				-23.00000	-38.00000	99.75000	0.0	0.0	0.0046460	*
				-22.00000	-38.00000	99.75000	0.0	0.0	0.0044927	*
				-21.00000	-38.00000	99.75000	0.0	0.0	0.0043225	*
				-20.00000	-38.00000	99.75000	0.0	0.0	0.0041371	*
				-19.00000	-38.00000	99.75000	0.0	0.0	0.0039382	*
				-18.00000	-38.00000	99.75000	0.0	0.0	0.0037276	*
				-17.00000	-38.00000	99.75000	0.0	0.0	0.0035074	*
				-16.00000	-38.00000	99.75000	0.0	0.0	0.0032798	*
				-15.00000	-38.00000	99.75000	0.0	0.0	0.0030469	*
				-14.00000	-38.00000	99.75000	0.0	0.0	0.0028110	*
				-13.00000	-38.00000	99.75000	0.0	0.0	0.0025743	*
				-12.00000	-38.00000	99.75000	0.0	0.0	0.0023391	*
				-11.00000	-38.00000	99.75000	0.0	0.0	0.0021073	*
				-10.00000	-38.00000	99.75000	0.0	0.0	0.0018812	*
				-9.00000	-38.00000	99.75000	0.0	0.0	0.0016624	*
				-8.00000	-38.00000	99.75000	0.0	0.0	0.0014529	*
				-7.00000	-38.00000	99.75000	0.0	0.0	0.0012540	*
				-6.00000	-38.00000	99.75000	0.0	0.0	0.0010672	*
				-5.00000	-38.00000	99.75000	0.0	0.0	893.63E-6	*
				-4.00000	-38.00000	99.75000	0.0	0.0	734.10E-6	*
				-3.00000	-38.00000	99.75000	0.0	0.0	589.32E-6	*
				-2.00000	-38.00000	99.75000	0.0	0.0	459.76E-6	*
				-1.00000	-38.00000	99.75000	0.0	0.0	345.66E-6	*
				0.00000	-38.00000	99.75000	0.0	0.0	247.04E-6	*
				1.00000	-38.00000	99.75000	0.0	0.0	0.0	
				2.00000	-38.00000	99.75000	0.0	0.0	0.0	
				3.00000	-38.00000	99.75000	0.0	0.0	0.0	
				4.00000	-38.00000	99.75000	0.0	0.0	0.0	
				5.00000	-38.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-37.00000	99.75000	0.0	0.0	0.0047685	*
				-39.00000	-37.00000	99.75000	0.0	0.0	0.0049496	*
				-38.00000	-37.00000	99.75000	0.0	0.0	0.0051181	*
				-37.00000	-37.00000	99.75000	0.0	0.0	0.0052721	*
				-36.00000	-37.00000	99.75000	0.0	0.0	0.0054100	*
				-35.00000	-37.00000	99.75000	0.0	0.0	0.0055301	*
				-34.00000	-37.00000	99.75000	0.0	0.0	0.0056308	*
				-33.00000	-37.00000	99.75000	0.0	0.0	0.0057107	*
				-32.00000	-37.00000	99.75000	0.0	0.0	0.0057686	*
				-31.00000	-37.00000	99.75000	0.0	0.0	0.0058035	*
				-30.00000	-37.00000	99.75000	0.0	0.0	0.0058144	*
				-29.00000	-37.00000	99.75000	0.0	0.0	0.0058009	*
				-28.00000	-37.00000	99.75000	0.0	0.0	0.0057625	*
				-27.00000	-37.00000	99.75000	0.0	0.0	0.0056992	*
				-26.00000	-37.00000	99.75000	0.0	0.0	0.0056113	*
				-25.00000	-37.00000	99.75000	0.0	0.0	0.0054991	*
				-24.00000	-37.00000	99.75000	0.0	0.0	0.0053634	*
				-23.00000	-37.00000	99.75000	0.0	0.0	0.0052054	*
				-22.00000	-37.00000	99.75000	0.0	0.0	0.0050264	*
				-21.00000	-37.00000	99.75000	0.0	0.0	0.0048278	*
				-20.00000	-37.00000	99.75000	0.0	0.0	0.0046116	*
				-19.00000	-37.00000	99.75000	0.0	0.0	0.0043799	*
				-18.00000	-37.00000	99.75000	0.0	0.0	0.0041347	*
				-17.00000	-37.00000	99.75000	0.0	0.0	0.0038785	*
				-16.00000	-37.00000	99.75000	0.0	0.0	0.0036138	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-15.00000	-37.00000	99.75000	0.0	0.0	0.0033431	*
				-14.00000	-37.00000	99.75000	0.0	0.0	0.0030692	*
				-13.00000	-37.00000	99.75000	0.0	0.0	0.0027945	*
				-12.00000	-37.00000	99.75000	0.0	0.0	0.0025217	*
				-11.00000	-37.00000	99.75000	0.0	0.0	0.0022532	*
				-10.00000	-37.00000	99.75000	0.0	0.0	0.0019914	*
				-9.00000	-37.00000	99.75000	0.0	0.0	0.0017385	*
				-8.00000	-37.00000	99.75000	0.0	0.0	0.0014965	*
				-7.00000	-37.00000	99.75000	0.0	0.0	0.0012672	*
				-6.00000	-37.00000	99.75000	0.0	0.0	0.0010521	*
				-5.00000	-37.00000	99.75000	0.0	0.0	852.46E-6	*
				-4.00000	-37.00000	99.75000	0.0	0.0	669.36E-6	*
				-3.00000	-37.00000	99.75000	0.0	0.0	503.53E-6	*
				-2.00000	-37.00000	99.75000	0.0	0.0	355.45E-6	*
				-1.00000	-37.00000	99.75000	0.0	0.0	225.36E-6	*
				0.00000	-37.00000	99.75000	0.0	0.0	113.25E-6	*
				1.00000	-37.00000	99.75000	0.0	0.0	0.0	
				2.00000	-37.00000	99.75000	0.0	0.0	0.0	
				3.00000	-37.00000	99.75000	0.0	0.0	0.0	
				4.00000	-37.00000	99.75000	0.0	0.0	0.0	
				5.00000	-37.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-36.00000	99.75000	0.0	0.0	0.0053738	*
				-39.00000	-36.00000	99.75000	0.0	0.0	0.0055782	*
				-38.00000	-36.00000	99.75000	0.0	0.0	0.0057684	*
				-37.00000	-36.00000	99.75000	0.0	0.0	0.0059423	*
				-36.00000	-36.00000	99.75000	0.0	0.0	0.0060981	*
				-35.00000	-36.00000	99.75000	0.0	0.0	0.0062336	*
				-34.00000	-36.00000	99.75000	0.0	0.0	0.0063471	*
				-33.00000	-36.00000	99.75000	0.0	0.0	0.0064369	*
				-32.00000	-36.00000	99.75000	0.0	0.0	0.0065015	*
				-31.00000	-36.00000	99.75000	0.0	0.0	0.0065398	*
				-30.00000	-36.00000	99.75000	0.0	0.0	0.0065505	*
				-29.00000	-36.00000	99.75000	0.0	0.0	0.0065331	*
				-28.00000	-36.00000	99.75000	0.0	0.0	0.0064871	*
				-27.00000	-36.00000	99.75000	0.0	0.0	0.0064124	*
				-26.00000	-36.00000	99.75000	0.0	0.0	0.0063092	*
				-25.00000	-36.00000	99.75000	0.0	0.0	0.0061780	*
				-24.00000	-36.00000	99.75000	0.0	0.0	0.0060197	*
				-23.00000	-36.00000	99.75000	0.0	0.0	0.0058356	*
				-22.00000	-36.00000	99.75000	0.0	0.0	0.0056271	*
				-21.00000	-36.00000	99.75000	0.0	0.0	0.0053961	*
				-20.00000	-36.00000	99.75000	0.0	0.0	0.0051447	*
				-19.00000	-36.00000	99.75000	0.0	0.0	0.0048752	*
				-18.00000	-36.00000	99.75000	0.0	0.0	0.0045903	*
				-17.00000	-36.00000	99.75000	0.0	0.0	0.0042928	*
				-16.00000	-36.00000	99.75000	0.0	0.0	0.0039855	*
				-15.00000	-36.00000	99.75000	0.0	0.0	0.0036715	*
				-14.00000	-36.00000	99.75000	0.0	0.0	0.0033538	*
				-13.00000	-36.00000	99.75000	0.0	0.0	0.0030355	*
				-12.00000	-36.00000	99.75000	0.0	0.0	0.0027196	*
				-11.00000	-36.00000	99.75000	0.0	0.0	0.0024090	*
				-10.00000	-36.00000	99.75000	0.0	0.0	0.0021065	*
				-9.00000	-36.00000	99.75000	0.0	0.0	0.0018146	*
				-8.00000	-36.00000	99.75000	0.0	0.0	0.0015356	*
				-7.00000	-36.00000	99.75000	0.0	0.0	0.0012716	*
				-6.00000	-36.00000	99.75000	0.0	0.0	0.0010244	*
				-5.00000	-36.00000	99.75000	0.0	0.0	795.43E-6	*
				-4.00000	-36.00000	99.75000	0.0	0.0	585.85E-6	*
				-3.00000	-36.00000	99.75000	0.0	0.0	396.47E-6	*
				-2.00000	-36.00000	99.75000	0.0	0.0	227.82E-6	*
				-1.00000	-36.00000	99.75000	0.0	0.0	80.107E-6	*
				0.00000	-36.00000	99.75000	0.0	0.0	-46.745E-6	*
				1.00000	-36.00000	99.75000	0.0	0.0	0.0	
				2.00000	-36.00000	99.75000	0.0	0.0	0.0	
				3.00000	-36.00000	99.75000	0.0	0.0	0.0	
				4.00000	-36.00000	99.75000	0.0	0.0	0.0	
				5.00000	-36.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-35.00000	99.75000	0.0	0.0	0.0060479	*
				-39.00000	-35.00000	99.75000	0.0	0.0	0.0062792	*
				-38.00000	-35.00000	99.75000	0.0	0.0	0.0064947	*
				-37.00000	-35.00000	99.75000	0.0	0.0	0.0066920	*
				-36.00000	-35.00000	99.75000	0.0	0.0	0.0068688	*
				-35.00000	-35.00000	99.75000	0.0	0.0	0.0070226	*
				-34.00000	-35.00000	99.75000	0.0	0.0	0.0071514	*
				-33.00000	-35.00000	99.75000	0.0	0.0	0.0072532	*
				-32.00000	-35.00000	99.75000	0.0	0.0	0.0073262	*
				-31.00000	-35.00000	99.75000	0.0	0.0	0.0073689	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-30.00000	-35.00000	99.75000	0.0	0.0	0.0073800	*
				-29.00000	-35.00000	99.75000	0.0	0.0	0.0073588	*
				-28.00000	-35.00000	99.75000	0.0	0.0	0.0073046	*
				-27.00000	-35.00000	99.75000	0.0	0.0	0.0072172	*
				-26.00000	-35.00000	99.75000	0.0	0.0	0.0070969	*
				-25.00000	-35.00000	99.75000	0.0	0.0	0.0069443	*
				-24.00000	-35.00000	99.75000	0.0	0.0	0.0067604	*
				-23.00000	-35.00000	99.75000	0.0	0.0	0.0065465	*
				-22.00000	-35.00000	99.75000	0.0	0.0	0.0063044	*
				-21.00000	-35.00000	99.75000	0.0	0.0	0.0060362	*
				-20.00000	-35.00000	99.75000	0.0	0.0	0.0057444	*
				-19.00000	-35.00000	99.75000	0.0	0.0	0.0054318	*
				-18.00000	-35.00000	99.75000	0.0	0.0	0.0051013	*
				-17.00000	-35.00000	99.75000	0.0	0.0	0.0047562	*
				-16.00000	-35.00000	99.75000	0.0	0.0	0.0043999	*
				-15.00000	-35.00000	99.75000	0.0	0.0	0.0040360	*
				-14.00000	-35.00000	99.75000	0.0	0.0	0.0036680	*
				-13.00000	-35.00000	99.75000	0.0	0.0	0.0032996	*
				-12.00000	-35.00000	99.75000	0.0	0.0	0.0029342	*
				-11.00000	-35.00000	99.75000	0.0	0.0	0.0025753	*
				-10.00000	-35.00000	99.75000	0.0	0.0	0.0022261	*
				-9.00000	-35.00000	99.75000	0.0	0.0	0.0018896	*
				-8.00000	-35.00000	99.75000	0.0	0.0	0.0015684	*
				-7.00000	-35.00000	99.75000	0.0	0.0	0.0012650	*
				-6.00000	-35.00000	99.75000	0.0	0.0	981.41E-6	*
				-5.00000	-35.00000	99.75000	0.0	0.0	719.30E-6	*
				-4.00000	-35.00000	99.75000	0.0	0.0	479.95E-6	*
				-3.00000	-35.00000	99.75000	0.0	0.0	264.27E-6	*
				-2.00000	-35.00000	99.75000	0.0	0.0	72.787E-6	*
				-1.00000	-35.00000	99.75000	0.0	0.0	-94.317E-6	*
				0.00000	-35.00000	99.75000	0.0	0.0	-237.20E-6	*
				1.00000	-35.00000	99.75000	0.0	0.0	0.0	
				2.00000	-35.00000	99.75000	0.0	0.0	0.0	
				3.00000	-35.00000	99.75000	0.0	0.0	0.0	
				4.00000	-35.00000	99.75000	0.0	0.0	0.0	
				5.00000	-35.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-34.00000	99.75000	0.0	0.0	0.0067986	*
				-39.00000	-34.00000	99.75000	0.0	0.0	0.0070613	*
				-38.00000	-34.00000	99.75000	0.0	0.0	0.0073064	*
				-37.00000	-34.00000	99.75000	0.0	0.0	0.0075311	*
				-36.00000	-34.00000	99.75000	0.0	0.0	0.0077327	*
				-35.00000	-34.00000	99.75000	0.0	0.0	0.0079083	*
				-34.00000	-34.00000	99.75000	0.0	0.0	0.0080555	*
				-33.00000	-34.00000	99.75000	0.0	0.0	0.0081718	*
				-32.00000	-34.00000	99.75000	0.0	0.0	0.0082551	*
				-31.00000	-34.00000	99.75000	0.0	0.0	0.0083037	*
				-30.00000	-34.00000	99.75000	0.0	0.0	0.0083161	*
				-29.00000	-34.00000	99.75000	0.0	0.0	0.0082911	*
				-28.00000	-34.00000	99.75000	0.0	0.0	0.0082281	*
				-27.00000	-34.00000	99.75000	0.0	0.0	0.0081269	*
				-26.00000	-34.00000	99.75000	0.0	0.0	0.0079875	*
				-25.00000	-34.00000	99.75000	0.0	0.0	0.0078108	*
				-24.00000	-34.00000	99.75000	0.0	0.0	0.0075977	*
				-23.00000	-34.00000	99.75000	0.0	0.0	0.0073499	*
				-22.00000	-34.00000	99.75000	0.0	0.0	0.0070695	*
				-21.00000	-34.00000	99.75000	0.0	0.0	0.0067587	*
				-20.00000	-34.00000	99.75000	0.0	0.0	0.0064206	*
				-19.00000	-34.00000	99.75000	0.0	0.0	0.0060583	*
				-18.00000	-34.00000	99.75000	0.0	0.0	0.0056754	*
				-17.00000	-34.00000	99.75000	0.0	0.0	0.0052755	*
				-16.00000	-34.00000	99.75000	0.0	0.0	0.0048628	*
				-15.00000	-34.00000	99.75000	0.0	0.0	0.0044414	*
				-14.00000	-34.00000	99.75000	0.0	0.0	0.0040156	*
				-13.00000	-34.00000	99.75000	0.0	0.0	0.0035894	*
				-12.00000	-34.00000	99.75000	0.0	0.0	0.0031671	*
				-11.00000	-34.00000	99.75000	0.0	0.0	0.0027527	*
				-10.00000	-34.00000	99.75000	0.0	0.0	0.0023499	*
				-9.00000	-34.00000	99.75000	0.0	0.0	0.0019622	*
				-8.00000	-34.00000	99.75000	0.0	0.0	0.0015929	*
				-7.00000	-34.00000	99.75000	0.0	0.0	0.0012446	*
				-6.00000	-34.00000	99.75000	0.0	0.0	919.75E-6	*
				-5.00000	-34.00000	99.75000	0.0	0.0	620.19E-6	*
				-4.00000	-34.00000	99.75000	0.0	0.0	347.39E-6	*
				-3.00000	-34.00000	99.75000	0.0	0.0	102.33E-6	*
				-2.00000	-34.00000	99.75000	0.0	0.0	-114.45E-6	*
				-1.00000	-34.00000	99.75000	0.0	0.0	-302.83E-6	*
				0.00000	-34.00000	99.75000	0.0	0.0	-463.09E-6	*



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				1.00000	-34.00000	99.75000	0.0	0.0	0.0	
				2.00000	-34.00000	99.75000	0.0	0.0	0.0	
				3.00000	-34.00000	99.75000	0.0	0.0	0.0	
				4.00000	-34.00000	99.75000	0.0	0.0	0.0	
				5.00000	-34.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-33.00000	99.75000	0.0	0.0	0.0076349	*
				-39.00000	-33.00000	99.75000	0.0	0.0	0.0079342	*
				-38.00000	-33.00000	99.75000	0.0	0.0	0.0082140	*
				-37.00000	-33.00000	99.75000	0.0	0.0	0.0084710	*
				-36.00000	-33.00000	99.75000	0.0	0.0	0.0087019	*
				-35.00000	-33.00000	99.75000	0.0	0.0	0.0089035	*
				-34.00000	-33.00000	99.75000	0.0	0.0	0.0090726	*
				-33.00000	-33.00000	99.75000	0.0	0.0	0.0092066	*
				-32.00000	-33.00000	99.75000	0.0	0.0	0.0093029	*
				-31.00000	-33.00000	99.75000	0.0	0.0	0.0093592	*
				-30.00000	-33.00000	99.75000	0.0	0.0	0.0093739	*
				-29.00000	-33.00000	99.75000	0.0	0.0	0.0093455	*
				-28.00000	-33.00000	99.75000	0.0	0.0	0.0092732	*
				-27.00000	-33.00000	99.75000	0.0	0.0	0.0091567	*
				-26.00000	-33.00000	99.75000	0.0	0.0	0.0089961	*
				-25.00000	-33.00000	99.75000	0.0	0.0	0.0087921	*
				-24.00000	-33.00000	99.75000	0.0	0.0	0.0085461	*
				-23.00000	-33.00000	99.75000	0.0	0.0	0.0082597	*
				-22.00000	-33.00000	99.75000	0.0	0.0	0.0079354	*
				-21.00000	-33.00000	99.75000	0.0	0.0	0.0075759	*
				-20.00000	-33.00000	99.75000	0.0	0.0	0.0071845	*
				-19.00000	-33.00000	99.75000	0.0	0.0	0.0067651	*
				-18.00000	-33.00000	99.75000	0.0	0.0	0.0063217	*
				-17.00000	-33.00000	99.75000	0.0	0.0	0.0058588	*
				-16.00000	-33.00000	99.75000	0.0	0.0	0.0053810	*
				-15.00000	-33.00000	99.75000	0.0	0.0	0.0048933	*
				-14.00000	-33.00000	99.75000	0.0	0.0	0.0044006	*
				-13.00000	-33.00000	99.75000	0.0	0.0	0.0039078	*
				-12.00000	-33.00000	99.75000	0.0	0.0	0.0034199	*
				-11.00000	-33.00000	99.75000	0.0	0.0	0.0029416	*
				-10.00000	-33.00000	99.75000	0.0	0.0	0.0024773	*
				-9.00000	-33.00000	99.75000	0.0	0.0	0.0020310	*
				-8.00000	-33.00000	99.75000	0.0	0.0	0.0016066	*
				-7.00000	-33.00000	99.75000	0.0	0.0	0.0012071	*
				-6.00000	-33.00000	99.75000	0.0	0.0	835.38E-6	*
				-5.00000	-33.00000	99.75000	0.0	0.0	493.50E-6	*
				-4.00000	-33.00000	99.75000	0.0	0.0	183.11E-6	*
				-3.00000	-33.00000	99.75000	0.0	0.0	-94.742E-6	*
				-2.00000	-33.00000	99.75000	0.0	0.0	-339.52E-6	*
				-1.00000	-33.00000	99.75000	0.0	0.0	-551.19E-6	*
				0.00000	-33.00000	99.75000	0.0	0.0	-730.19E-6	*
				1.00000	-33.00000	99.75000	0.0	0.0	0.0	
				2.00000	-33.00000	99.75000	0.0	0.0	0.0	
				3.00000	-33.00000	99.75000	0.0	0.0	0.0	
				4.00000	-33.00000	99.75000	0.0	0.0	0.0	
				5.00000	-33.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-32.00000	99.75000	0.0	0.0	0.0085670	*
				-39.00000	-32.00000	99.75000	0.0	0.0	0.0089090	*
				-38.00000	-32.00000	99.75000	0.0	0.0	0.0092296	*
				-37.00000	-32.00000	99.75000	0.0	0.0	0.0095246	*
				-36.00000	-32.00000	99.75000	0.0	0.0	0.0097903	*
				-35.00000	-32.00000	99.75000	0.0	0.0	0.010023	*
				-34.00000	-32.00000	99.75000	0.0	0.0	0.010218	*
				-33.00000	-32.00000	99.75000	0.0	0.0	0.010374	*
				-32.00000	-32.00000	99.75000	0.0	0.0	0.010486	*
				-31.00000	-32.00000	99.75000	0.0	0.0	0.010553	*
				-30.00000	-32.00000	99.75000	0.0	0.0	0.010571	*
				-29.00000	-32.00000	99.75000	0.0	0.0	0.010540	*
				-28.00000	-32.00000	99.75000	0.0	0.0	0.010458	*
				-27.00000	-32.00000	99.75000	0.0	0.0	0.010325	*
				-26.00000	-32.00000	99.75000	0.0	0.0	0.010140	*
				-25.00000	-32.00000	99.75000	0.0	0.0	0.0099059	*
				-24.00000	-32.00000	99.75000	0.0	0.0	0.0096224	*
				-23.00000	-32.00000	99.75000	0.0	0.0	0.0092920	*
				-22.00000	-32.00000	99.75000	0.0	0.0	0.0089175	*
				-21.00000	-32.00000	99.75000	0.0	0.0	0.0085021	*
				-20.00000	-32.00000	99.75000	0.0	0.0	0.0080495	*
				-19.00000	-32.00000	99.75000	0.0	0.0	0.0075643	*
				-18.00000	-32.00000	99.75000	0.0	0.0	0.0070512	*
				-17.00000	-32.00000	99.75000	0.0	0.0	0.0065154	*
				-16.00000	-32.00000	99.75000	0.0	0.0	0.0059624	*
				-15.00000	-32.00000	99.75000	0.0	0.0	0.0053980	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-14.00000	-32.00000	99.75000	0.0	0.0	0.0048280	*
				-13.00000	-32.00000	99.75000	0.0	0.0	0.0042583	*
				-12.00000	-32.00000	99.75000	0.0	0.0	0.0036947	*
				-11.00000	-32.00000	99.75000	0.0	0.0	0.0031427	*
				-10.00000	-32.00000	99.75000	0.0	0.0	0.0026075	*
				-9.00000	-32.00000	99.75000	0.0	0.0	0.0020939	*
				-8.00000	-32.00000	99.75000	0.0	0.0	0.0016063	*
				-7.00000	-32.00000	99.75000	0.0	0.0	0.0011485	*
				-6.00000	-32.00000	99.75000	0.0	0.0	723.44E-6	*
				-5.00000	-32.00000	99.75000	0.0	0.0	333.70E-6	*
				-4.00000	-32.00000	99.75000	0.0	0.0	-18.948E-6	*
				-3.00000	-32.00000	99.75000	0.0	0.0	-333.37E-6	*
				-2.00000	-32.00000	99.75000	0.0	0.0	-609.07E-6	*
				-1.00000	-32.00000	99.75000	0.0	0.0	-846.15E-6	*
				0.00000	-32.00000	99.75000	0.0	0.0	-0.0010453	*
				1.00000	-32.00000	99.75000	0.0	0.0	0.0	
				2.00000	-32.00000	99.75000	0.0	0.0	0.0	
				3.00000	-32.00000	99.75000	0.0	0.0	0.0	
				4.00000	-32.00000	99.75000	0.0	0.0	0.0	
				5.00000	-32.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-31.00000	99.75000	0.0	0.0	0.0096062	*
				-39.00000	-31.00000	99.75000	0.0	0.0	0.0099983	*
				-38.00000	-31.00000	99.75000	0.0	0.0	0.010367	*
				-37.00000	-31.00000	99.75000	0.0	0.0	0.010707	*
				-36.00000	-31.00000	99.75000	0.0	0.0	0.011014	*
				-35.00000	-31.00000	99.75000	0.0	0.0	0.011283	*
				-34.00000	-31.00000	99.75000	0.0	0.0	0.011511	*
				-33.00000	-31.00000	99.75000	0.0	0.0	0.011693	*
				-32.00000	-31.00000	99.75000	0.0	0.0	0.011825	*
				-31.00000	-31.00000	99.75000	0.0	0.0	0.011905	*
				-30.00000	-31.00000	99.75000	0.0	0.0	0.011929	*
				-29.00000	-31.00000	99.75000	0.0	0.0	0.011895	*
				-28.00000	-31.00000	99.75000	0.0	0.0	0.011803	*
				-27.00000	-31.00000	99.75000	0.0	0.0	0.011652	*
				-26.00000	-31.00000	99.75000	0.0	0.0	0.011442	*
				-25.00000	-31.00000	99.75000	0.0	0.0	0.011173	*
				-24.00000	-31.00000	99.75000	0.0	0.0	0.010847	*
				-23.00000	-31.00000	99.75000	0.0	0.0	0.010466	*
				-22.00000	-31.00000	99.75000	0.0	0.0	0.010034	*
				-21.00000	-31.00000	99.75000	0.0	0.0	0.0095544	*
				-20.00000	-31.00000	99.75000	0.0	0.0	0.0090314	*
				-19.00000	-31.00000	99.75000	0.0	0.0	0.0084703	*
				-18.00000	-31.00000	99.75000	0.0	0.0	0.0078766	*
				-17.00000	-31.00000	99.75000	0.0	0.0	0.0072565	*
				-16.00000	-31.00000	99.75000	0.0	0.0	0.0066164	*
				-15.00000	-31.00000	99.75000	0.0	0.0	0.0059632	*
				-14.00000	-31.00000	99.75000	0.0	0.0	0.0053037	*
				-13.00000	-31.00000	99.75000	0.0	0.0	0.0046449	*
				-12.00000	-31.00000	99.75000	0.0	0.0	0.0039936	*
				-11.00000	-31.00000	99.75000	0.0	0.0	0.0033564	*
				-10.00000	-31.00000	99.75000	0.0	0.0	0.0027395	*
				-9.00000	-31.00000	99.75000	0.0	0.0	0.0021484	*
				-8.00000	-31.00000	99.75000	0.0	0.0	0.0015884	*
				-7.00000	-31.00000	99.75000	0.0	0.0	0.0010638	*
				-6.00000	-31.00000	99.75000	0.0	0.0	578.08E-6	*
				-5.00000	-31.00000	99.75000	0.0	0.0	134.17E-6	*
				-4.00000	-31.00000	99.75000	0.0	0.0	-265.98E-6	*
				-3.00000	-31.00000	99.75000	0.0	0.0	-621.16E-6	*
				-2.00000	-31.00000	99.75000	0.0	0.0	-930.95E-6	*
				-1.00000	-31.00000	99.75000	0.0	0.0	-0.0011957	*
				0.00000	-31.00000	99.75000	0.0	0.0	-0.0014162	*
				1.00000	-31.00000	99.75000	0.0	0.0	0.0	
				2.00000	-31.00000	99.75000	0.0	0.0	0.0	
				3.00000	-31.00000	99.75000	0.0	0.0	0.0	
				4.00000	-31.00000	99.75000	0.0	0.0	0.0	
				5.00000	-31.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-30.00000	99.75000	0.0	0.0	0.010765	*
				-39.00000	-30.00000	99.75000	0.0	0.0	0.011216	*
				-38.00000	-30.00000	99.75000	0.0	0.0	0.011641	*
				-37.00000	-30.00000	99.75000	0.0	0.0	0.012035	*
				-36.00000	-30.00000	99.75000	0.0	0.0	0.012391	*
				-35.00000	-30.00000	99.75000	0.0	0.0	0.012705	*
				-34.00000	-30.00000	99.75000	0.0	0.0	0.012971	*
				-33.00000	-30.00000	99.75000	0.0	0.0	0.013185	*
				-32.00000	-30.00000	99.75000	0.0	0.0	0.013342	*
				-31.00000	-30.00000	99.75000	0.0	0.0	0.013438	*
				-30.00000	-30.00000	99.75000	0.0	0.0	0.013471	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-29.00000	-30.00000	99.75000	0.0	0.0	0.013437	*
				-28.00000	-30.00000	99.75000	0.0	0.0	0.013335	*
				-27.00000	-30.00000	99.75000	0.0	0.0	0.013164	*
				-26.00000	-30.00000	99.75000	0.0	0.0	0.012924	*
				-25.00000	-30.00000	99.75000	0.0	0.0	0.012616	*
				-24.00000	-30.00000	99.75000	0.0	0.0	0.012242	*
				-23.00000	-30.00000	99.75000	0.0	0.0	0.011805	*
				-22.00000	-30.00000	99.75000	0.0	0.0	0.011307	*
				-21.00000	-30.00000	99.75000	0.0	0.0	0.010753	*
				-20.00000	-30.00000	99.75000	0.0	0.0	0.010149	*
				-19.00000	-30.00000	99.75000	0.0	0.0	0.0095001	*
				-18.00000	-30.00000	99.75000	0.0	0.0	0.0088132	*
				-17.00000	-30.00000	99.75000	0.0	0.0	0.0080953	*
				-16.00000	-30.00000	99.75000	0.0	0.0	0.0073542	*
				-15.00000	-30.00000	99.75000	0.0	0.0	0.0065979	*
				-14.00000	-30.00000	99.75000	0.0	0.0	0.0058345	*
				-13.00000	-30.00000	99.75000	0.0	0.0	0.0050722	*
				-12.00000	-30.00000	99.75000	0.0	0.0	0.0043193	*
				-11.00000	-30.00000	99.75000	0.0	0.0	0.0035834	*
				-10.00000	-30.00000	99.75000	0.0	0.0	0.0028719	*
				-9.00000	-30.00000	99.75000	0.0	0.0	0.0021915	*
				-8.00000	-30.00000	99.75000	0.0	0.0	0.0015482	*
				-7.00000	-30.00000	99.75000	0.0	0.0	947.01E-6	*
				-6.00000	-30.00000	99.75000	0.0	0.0	392.21E-6	*
				-5.00000	-30.00000	99.75000	0.0	0.0	-113.06E-6	*
				-4.00000	-30.00000	99.75000	0.0	0.0	-566.60E-6	*
				-3.00000	-30.00000	99.75000	0.0	0.0	-967.17E-6	*
				-2.00000	-30.00000	99.75000	0.0	0.0	-0.0013145	*
				-1.00000	-30.00000	99.75000	0.0	0.0	-0.0016091	*
				0.00000	-30.00000	99.75000	0.0	0.0	-0.0018523	*
				1.00000	-30.00000	99.75000	0.0	0.0	0.0	
				2.00000	-30.00000	99.75000	0.0	0.0	0.0	
				3.00000	-30.00000	99.75000	0.0	0.0	0.0	
				4.00000	-30.00000	99.75000	0.0	0.0	0.0	
				5.00000	-30.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-29.00000	99.75000	0.0	0.0	0.012059	*
				-39.00000	-29.00000	99.75000	0.0	0.0	0.012579	*
				-38.00000	-29.00000	99.75000	0.0	0.0	0.013071	*
				-37.00000	-29.00000	99.75000	0.0	0.0	0.013528	*
				-36.00000	-29.00000	99.75000	0.0	0.0	0.013943	*
				-35.00000	-29.00000	99.75000	0.0	0.0	0.014311	*
				-34.00000	-29.00000	99.75000	0.0	0.0	0.014624	*
				-33.00000	-29.00000	99.75000	0.0	0.0	0.014877	*
				-32.00000	-29.00000	99.75000	0.0	0.0	0.015065	*
				-31.00000	-29.00000	99.75000	0.0	0.0	0.015182	*
				-30.00000	-29.00000	99.75000	0.0	0.0	0.015226	*
				-29.00000	-29.00000	99.75000	0.0	0.0	0.015194	*
				-28.00000	-29.00000	99.75000	0.0	0.0	0.015082	*
				-27.00000	-29.00000	99.75000	0.0	0.0	0.014890	*
				-26.00000	-29.00000	99.75000	0.0	0.0	0.014618	*
				-25.00000	-29.00000	99.75000	0.0	0.0	0.014266	*
				-24.00000	-29.00000	99.75000	0.0	0.0	0.013838	*
				-23.00000	-29.00000	99.75000	0.0	0.0	0.013335	*
				-22.00000	-29.00000	99.75000	0.0	0.0	0.012761	*
				-21.00000	-29.00000	99.75000	0.0	0.0	0.012123	*
				-20.00000	-29.00000	99.75000	0.0	0.0	0.011425	*
				-19.00000	-29.00000	99.75000	0.0	0.0	0.010674	*
				-18.00000	-29.00000	99.75000	0.0	0.0	0.0098792	*
				-17.00000	-29.00000	99.75000	0.0	0.0	0.0090478	*
				-16.00000	-29.00000	99.75000	0.0	0.0	0.0081892	*
				-15.00000	-29.00000	99.75000	0.0	0.0	0.0073128	*
				-14.00000	-29.00000	99.75000	0.0	0.0	0.0064284	*
				-13.00000	-29.00000	99.75000	0.0	0.0	0.0055458	*
				-12.00000	-29.00000	99.75000	0.0	0.0	0.0046746	*
				-11.00000	-29.00000	99.75000	0.0	0.0	0.0038240	*
				-10.00000	-29.00000	99.75000	0.0	0.0	0.0030029	*
				-9.00000	-29.00000	99.75000	0.0	0.0	0.0022192	*
				-8.00000	-29.00000	99.75000	0.0	0.0	0.0014799	*
				-7.00000	-29.00000	99.75000	0.0	0.0	790.93E-6	*
				-6.00000	-29.00000	99.75000	0.0	0.0	157.24E-6	*
				-5.00000	-29.00000	99.75000	0.0	0.0	-417.59E-6	*
				-4.00000	-29.00000	99.75000	0.0	0.0	-931.15E-6	*
				-3.00000	-29.00000	99.75000	0.0	0.0	-0.0013822	*
				-2.00000	-29.00000	99.75000	0.0	0.0	-0.0017706	*
				-1.00000	-29.00000	99.75000	0.0	0.0	-0.0020974	*
				0.00000	-29.00000	99.75000	0.0	0.0	-0.0023643	*
				1.00000	-29.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				2.00000	-29.00000	99.75000	0.0	0.0	0.0
				3.00000	-29.00000	99.75000	0.0	0.0	0.0
				4.00000	-29.00000	99.75000	0.0	0.0	0.0
				5.00000	-29.00000	99.75000	0.0	0.0	0.0
				-40.00000	-28.00000	99.75000	0.0	0.0	0.013504
				-39.00000	-28.00000	99.75000	0.0	0.0	0.014106
				-38.00000	-28.00000	99.75000	0.0	0.0	0.014677
				-37.00000	-28.00000	99.75000	0.0	0.0	0.015209
				-36.00000	-28.00000	99.75000	0.0	0.0	0.015695
				-35.00000	-28.00000	99.75000	0.0	0.0	0.016127
				-34.00000	-28.00000	99.75000	0.0	0.0	0.016497
				-33.00000	-28.00000	99.75000	0.0	0.0	0.016798
				-32.00000	-28.00000	99.75000	0.0	0.0	0.017024
				-31.00000	-28.00000	99.75000	0.0	0.0	0.017170
				-30.00000	-28.00000	99.75000	0.0	0.0	0.017229
				-29.00000	-28.00000	99.75000	0.0	0.0	0.017200
				-28.00000	-28.00000	99.75000	0.0	0.0	0.017079
				-27.00000	-28.00000	99.75000	0.0	0.0	0.016865
				-26.00000	-28.00000	99.75000	0.0	0.0	0.016557
				-25.00000	-28.00000	99.75000	0.0	0.0	0.016157
				-24.00000	-28.00000	99.75000	0.0	0.0	0.015666
				-23.00000	-28.00000	99.75000	0.0	0.0	0.015088
				-22.00000	-28.00000	99.75000	0.0	0.0	0.014428
				-21.00000	-28.00000	99.75000	0.0	0.0	0.013692
				-20.00000	-28.00000	99.75000	0.0	0.0	0.012885
				-19.00000	-28.00000	99.75000	0.0	0.0	0.012017
				-18.00000	-28.00000	99.75000	0.0	0.0	0.011097
				-17.00000	-28.00000	99.75000	0.0	0.0	0.010133
				-16.00000	-28.00000	99.75000	0.0	0.0	0.0091374
				-15.00000	-28.00000	99.75000	0.0	0.0	0.0081210
				-14.00000	-28.00000	99.75000	0.0	0.0	0.0070954
				-13.00000	-28.00000	99.75000	0.0	0.0	0.0060722
				-12.00000	-28.00000	99.75000	0.0	0.0	0.0050630
				-11.00000	-28.00000	99.75000	0.0	0.0	0.0040789
				-10.00000	-28.00000	99.75000	0.0	0.0	0.0031303
				-9.00000	-28.00000	99.75000	0.0	0.0	0.0022267
				-8.00000	-28.00000	99.75000	0.0	0.0	0.0013765
				-7.00000	-28.00000	99.75000	0.0	0.0	586.60E-6
				-6.00000	-28.00000	99.75000	0.0	0.0	-137.27E-6
				-5.00000	-28.00000	99.75000	0.0	0.0	-791.04E-6
				-4.00000	-28.00000	99.75000	0.0	0.0	-0.0013721
				-3.00000	-28.00000	99.75000	0.0	0.0	-0.0018792
				-2.00000	-28.00000	99.75000	0.0	0.0	-0.0023126
				-1.00000	-28.00000	99.75000	0.0	0.0	-0.0026737
				0.00000	-28.00000	99.75000	0.0	0.0	-0.0029650
				1.00000	-28.00000	99.75000	0.0	0.0	0.0
				2.00000	-28.00000	99.75000	0.0	0.0	0.0
				3.00000	-28.00000	99.75000	0.0	0.0	0.0
				4.00000	-28.00000	99.75000	0.0	0.0	0.0
				5.00000	-28.00000	99.75000	0.0	0.0	0.0
				-40.00000	-27.00000	99.75000	0.0	0.0	0.015120
				-39.00000	-27.00000	99.75000	0.0	0.0	0.015818
				-38.00000	-27.00000	99.75000	0.0	0.0	0.016483
				-37.00000	-27.00000	99.75000	0.0	0.0	0.017105
				-36.00000	-27.00000	99.75000	0.0	0.0	0.017676
				-35.00000	-27.00000	99.75000	0.0	0.0	0.018186
				-34.00000	-27.00000	99.75000	0.0	0.0	0.018625
				-33.00000	-27.00000	99.75000	0.0	0.0	0.018985
				-32.00000	-27.00000	99.75000	0.0	0.0	0.019259
				-31.00000	-27.00000	99.75000	0.0	0.0	0.019440
				-30.00000	-27.00000	99.75000	0.0	0.0	0.019521
				-29.00000	-27.00000	99.75000	0.0	0.0	0.019498
				-28.00000	-27.00000	99.75000	0.0	0.0	0.019369
				-27.00000	-27.00000	99.75000	0.0	0.0	0.019131
				-26.00000	-27.00000	99.75000	0.0	0.0	0.018784
				-25.00000	-27.00000	99.75000	0.0	0.0	0.018329
				-24.00000	-27.00000	99.75000	0.0	0.0	0.017768
				-23.00000	-27.00000	99.75000	0.0	0.0	0.017105
				-22.00000	-27.00000	99.75000	0.0	0.0	0.016345
				-21.00000	-27.00000	99.75000	0.0	0.0	0.015496
				-20.00000	-27.00000	99.75000	0.0	0.0	0.014564
				-19.00000	-27.00000	99.75000	0.0	0.0	0.013559
				-18.00000	-27.00000	99.75000	0.0	0.0	0.012492
				-17.00000	-27.00000	99.75000	0.0	0.0	0.011374
				-16.00000	-27.00000	99.75000	0.0	0.0	0.010218
				-15.00000	-27.00000	99.75000	0.0	0.0	0.0090382
				-14.00000	-27.00000	99.75000	0.0	0.0	0.0078471



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-13.00000	-27.00000	99.75000	0.0	0.0	0.0066592	*
				-12.00000	-27.00000	99.75000	0.0	0.0	0.0054885	*
				-11.00000	-27.00000	99.75000	0.0	0.0	0.0043483	*
				-10.00000	-27.00000	99.75000	0.0	0.0	0.0032510	*
				-9.00000	-27.00000	99.75000	0.0	0.0	0.0022080	*
				-8.00000	-27.00000	99.75000	0.0	0.0	0.0012293	*
				-7.00000	-27.00000	99.75000	0.0	0.0	323.08E-6	*
				-6.00000	-27.00000	99.75000	0.0	0.0	-504.07E-6	*
				-5.00000	-27.00000	99.75000	0.0	0.0	-0.0012475	*
				-4.00000	-27.00000	99.75000	0.0	0.0	-0.0019044	*
				-3.00000	-27.00000	99.75000	0.0	0.0	-0.0024737	*
				-2.00000	-27.00000	99.75000	0.0	0.0	-0.0029560	*
				-1.00000	-27.00000	99.75000	0.0	0.0	-0.0033535	*
				0.00000	-27.00000	99.75000	0.0	0.0	-0.0036695	*
				1.00000	-27.00000	99.75000	0.0	0.0	0.0	
				2.00000	-27.00000	99.75000	0.0	0.0	0.0	
				3.00000	-27.00000	99.75000	0.0	0.0	0.0	
				4.00000	-27.00000	99.75000	0.0	0.0	0.0	
				5.00000	-27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-26.00000	99.75000	0.0	0.0	0.016926	*
				-39.00000	-26.00000	99.75000	0.0	0.0	0.017739	*
				-38.00000	-26.00000	99.75000	0.0	0.0	0.018516	*
				-37.00000	-26.00000	99.75000	0.0	0.0	0.019247	*
				-36.00000	-26.00000	99.75000	0.0	0.0	0.019920	*
				-35.00000	-26.00000	99.75000	0.0	0.0	0.020524	*
				-34.00000	-26.00000	99.75000	0.0	0.0	0.021048	*
				-33.00000	-26.00000	99.75000	0.0	0.0	0.021481	*
				-32.00000	-26.00000	99.75000	0.0	0.0	0.021814	*
				-31.00000	-26.00000	99.75000	0.0	0.0	0.022039	*
				-30.00000	-26.00000	99.75000	0.0	0.0	0.022149	*
				-29.00000	-26.00000	99.75000	0.0	0.0	0.022138	*
				-28.00000	-26.00000	99.75000	0.0	0.0	0.022002	*
				-27.00000	-26.00000	99.75000	0.0	0.0	0.021739	*
				-26.00000	-26.00000	99.75000	0.0	0.0	0.021349	*
				-25.00000	-26.00000	99.75000	0.0	0.0	0.020833	*
				-24.00000	-26.00000	99.75000	0.0	0.0	0.020192	*
				-23.00000	-26.00000	99.75000	0.0	0.0	0.019432	*
				-22.00000	-26.00000	99.75000	0.0	0.0	0.018557	*
				-21.00000	-26.00000	99.75000	0.0	0.0	0.017577	*
				-20.00000	-26.00000	99.75000	0.0	0.0	0.016500	*
				-19.00000	-26.00000	99.75000	0.0	0.0	0.015336	*
				-18.00000	-26.00000	99.75000	0.0	0.0	0.014098	*
				-17.00000	-26.00000	99.75000	0.0	0.0	0.012800	*
				-16.00000	-26.00000	99.75000	0.0	0.0	0.011456	*
				-15.00000	-26.00000	99.75000	0.0	0.0	0.010083	*
				-14.00000	-26.00000	99.75000	0.0	0.0	0.0086979	*
				-13.00000	-26.00000	99.75000	0.0	0.0	0.0073166	*
				-12.00000	-26.00000	99.75000	0.0	0.0	0.0059562	*
				-11.00000	-26.00000	99.75000	0.0	0.0	0.0046327	*
				-10.00000	-26.00000	99.75000	0.0	0.0	0.0033613	*
				-9.00000	-26.00000	99.75000	0.0	0.0	0.0021557	*
				-8.00000	-26.00000	99.75000	0.0	0.0	0.0010276	*
				-7.00000	-26.00000	99.75000	0.0	0.0	-13.086E-6	*
				-6.00000	-26.00000	99.75000	0.0	0.0	-958.76E-6	*
				-5.00000	-26.00000	99.75000	0.0	0.0	-0.0018041	*
				-4.00000	-26.00000	99.75000	0.0	0.0	-0.0025463	*
				-3.00000	-26.00000	99.75000	0.0	0.0	-0.0031843	*
				-2.00000	-26.00000	99.75000	0.0	0.0	-0.0037196	*
				-1.00000	-26.00000	99.75000	0.0	0.0	-0.0041551	*
				0.00000	-26.00000	99.75000	0.0	0.0	-0.0044954	*
				1.00000	-26.00000	99.75000	0.0	0.0	0.0	
				2.00000	-26.00000	99.75000	0.0	0.0	0.0	
				3.00000	-26.00000	99.75000	0.0	0.0	0.0	
				4.00000	-26.00000	99.75000	0.0	0.0	0.0	
				5.00000	-26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-25.00000	99.75000	0.0	0.0	0.018949	*
				-39.00000	-25.00000	99.75000	0.0	0.0	0.019898	*
				-38.00000	-25.00000	99.75000	0.0	0.0	0.020809	*
				-37.00000	-25.00000	99.75000	0.0	0.0	0.021670	*
				-36.00000	-25.00000	99.75000	0.0	0.0	0.022467	*
				-35.00000	-25.00000	99.75000	0.0	0.0	0.023186	*
				-34.00000	-25.00000	99.75000	0.0	0.0	0.023813	*
				-33.00000	-25.00000	99.75000	0.0	0.0	0.024336	*
				-32.00000	-25.00000	99.75000	0.0	0.0	0.024743	*
				-31.00000	-25.00000	99.75000	0.0	0.0	0.025025	*
				-30.00000	-25.00000	99.75000	0.0	0.0	0.025172	*
				-29.00000	-25.00000	99.75000	0.0	0.0	0.025178	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-28.00000	-25.00000	99.75000	0.0	0.0	0.025039	*
				-27.00000	-25.00000	99.75000	0.0	0.0	0.024751	*
				-26.00000	-25.00000	99.75000	0.0	0.0	0.024314	*
				-25.00000	-25.00000	99.75000	0.0	0.0	0.023728	*
				-24.00000	-25.00000	99.75000	0.0	0.0	0.022997	*
				-23.00000	-25.00000	99.75000	0.0	0.0	0.022125	*
				-22.00000	-25.00000	99.75000	0.0	0.0	0.021119	*
				-21.00000	-25.00000	99.75000	0.0	0.0	0.019988	*
				-20.00000	-25.00000	99.75000	0.0	0.0	0.018741	*
				-19.00000	-25.00000	99.75000	0.0	0.0	0.017392	*
				-18.00000	-25.00000	99.75000	0.0	0.0	0.015954	*
				-17.00000	-25.00000	99.75000	0.0	0.0	0.014444	*
				-16.00000	-25.00000	99.75000	0.0	0.0	0.012880	*
				-15.00000	-25.00000	99.75000	0.0	0.0	0.011280	*
				-14.00000	-25.00000	99.75000	0.0	0.0	0.0096657	*
				-13.00000	-25.00000	99.75000	0.0	0.0	0.0080560	*
				-12.00000	-25.00000	99.75000	0.0	0.0	0.0064718	*
				-11.00000	-25.00000	99.75000	0.0	0.0	0.0049325	*
				-10.00000	-25.00000	99.75000	0.0	0.0	0.0034564	*
				-9.00000	-25.00000	99.75000	0.0	0.0	0.0020602	*
				-8.00000	-25.00000	99.75000	0.0	0.0	757.96E-6	*
				-7.00000	-25.00000	99.75000	0.0	0.0	-438.57E-6	*
				-6.00000	-25.00000	99.75000	0.0	0.0	-0.0015205	*
				-5.00000	-25.00000	99.75000	0.0	0.0	-0.0024820	*
				-4.00000	-25.00000	99.75000	0.0	0.0	-0.0033198	*
				-3.00000	-25.00000	99.75000	0.0	0.0	-0.0040338	*
				-2.00000	-25.00000	99.75000	0.0	0.0	-0.0046259	*
				-1.00000	-25.00000	99.75000	0.0	0.0	-0.0051005	*
				0.00000	-25.00000	99.75000	0.0	0.0	-0.0054637	*
				1.00000	-25.00000	99.75000	0.0	0.0	0.0	
				2.00000	-25.00000	99.75000	0.0	0.0	0.0	
				3.00000	-25.00000	99.75000	0.0	0.0	0.0	
				4.00000	-25.00000	99.75000	0.0	0.0	0.0	
				5.00000	-25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-24.00000	99.75000	0.0	0.0	0.021215	*
				-39.00000	-24.00000	99.75000	0.0	0.0	0.022326	*
				-38.00000	-24.00000	99.75000	0.0	0.0	0.023399	*
				-37.00000	-24.00000	99.75000	0.0	0.0	0.024417	*
				-36.00000	-24.00000	99.75000	0.0	0.0	0.025364	*
				-35.00000	-24.00000	99.75000	0.0	0.0	0.026223	*
				-34.00000	-24.00000	99.75000	0.0	0.0	0.026978	*
				-33.00000	-24.00000	99.75000	0.0	0.0	0.027612	*
				-32.00000	-24.00000	99.75000	0.0	0.0	0.028112	*
				-31.00000	-24.00000	99.75000	0.0	0.0	0.028465	*
				-30.00000	-24.00000	99.75000	0.0	0.0	0.028662	*
				-29.00000	-24.00000	99.75000	0.0	0.0	0.028693	*
				-28.00000	-24.00000	99.75000	0.0	0.0	0.028553	*
				-27.00000	-24.00000	99.75000	0.0	0.0	0.028240	*
				-26.00000	-24.00000	99.75000	0.0	0.0	0.027751	*
				-25.00000	-24.00000	99.75000	0.0	0.0	0.027088	*
				-24.00000	-24.00000	99.75000	0.0	0.0	0.026255	*
				-23.00000	-24.00000	99.75000	0.0	0.0	0.025256	*
				-22.00000	-24.00000	99.75000	0.0	0.0	0.024098	*
				-21.00000	-24.00000	99.75000	0.0	0.0	0.022792	*
				-20.00000	-24.00000	99.75000	0.0	0.0	0.021348	*
				-19.00000	-24.00000	99.75000	0.0	0.0	0.019782	*
				-18.00000	-24.00000	99.75000	0.0	0.0	0.018110	*
				-17.00000	-24.00000	99.75000	0.0	0.0	0.016351	*
				-16.00000	-24.00000	99.75000	0.0	0.0	0.014526	*
				-15.00000	-24.00000	99.75000	0.0	0.0	0.012659	*
				-14.00000	-24.00000	99.75000	0.0	0.0	0.010772	*
				-13.00000	-24.00000	99.75000	0.0	0.0	0.0088921	*
				-12.00000	-24.00000	99.75000	0.0	0.0	0.0070426	*
				-11.00000	-24.00000	99.75000	0.0	0.0	0.0052479	*
				-10.00000	-24.00000	99.75000	0.0	0.0	0.0035303	*
				-9.00000	-24.00000	99.75000	0.0	0.0	0.0019098	*
				-8.00000	-24.00000	99.75000	0.0	0.0	403.71E-6	*
				-7.00000	-24.00000	99.75000	0.0	0.0	-974.06E-6	*
				-6.00000	-24.00000	99.75000	0.0	0.0	-0.0022132	*
				-5.00000	-24.00000	99.75000	0.0	0.0	-0.0033069	*
				-4.00000	-24.00000	99.75000	0.0	0.0	-0.0042522	*
				-3.00000	-24.00000	99.75000	0.0	0.0	-0.0050494	*
				-2.00000	-24.00000	99.75000	0.0	0.0	-0.0057019	*
				-1.00000	-24.00000	99.75000	0.0	0.0	-0.0062158	*
				0.00000	-24.00000	99.75000	0.0	0.0	-0.0065993	*
				1.00000	-24.00000	99.75000	0.0	0.0	0.0	
				2.00000	-24.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				3.00000	-24.00000	99.75000	0.0	0.0	0.0	
				4.00000	-24.00000	99.75000	0.0	0.0	0.0	
				5.00000	-24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-23.00000	99.75000	0.0	0.0	0.023757	*
				-39.00000	-23.00000	99.75000	0.0	0.0	0.025063	*
				-38.00000	-23.00000	99.75000	0.0	0.0	0.026330	*
				-37.00000	-23.00000	99.75000	0.0	0.0	0.027539	*
				-36.00000	-23.00000	99.75000	0.0	0.0	0.028669	*
				-35.00000	-23.00000	99.75000	0.0	0.0	0.029700	*
				-34.00000	-23.00000	99.75000	0.0	0.0	0.030612	*
				-33.00000	-23.00000	99.75000	0.0	0.0	0.031384	*
				-32.00000	-23.00000	99.75000	0.0	0.0	0.032000	*
				-31.00000	-23.00000	99.75000	0.0	0.0	0.032444	*
				-30.00000	-23.00000	99.75000	0.0	0.0	0.032704	*
				-29.00000	-23.00000	99.75000	0.0	0.0	0.032770	*
				-28.00000	-23.00000	99.75000	0.0	0.0	0.032635	*
				-27.00000	-23.00000	99.75000	0.0	0.0	0.032296	*
				-26.00000	-23.00000	99.75000	0.0	0.0	0.031752	*
				-25.00000	-23.00000	99.75000	0.0	0.0	0.031003	*
				-24.00000	-23.00000	99.75000	0.0	0.0	0.030054	*
				-23.00000	-23.00000	99.75000	0.0	0.0	0.028909	*
				-22.00000	-23.00000	99.75000	0.0	0.0	0.027576	*
				-21.00000	-23.00000	99.75000	0.0	0.0	0.026067	*
				-20.00000	-23.00000	99.75000	0.0	0.0	0.024395	*
				-19.00000	-23.00000	99.75000	0.0	0.0	0.022576	*
				-18.00000	-23.00000	99.75000	0.0	0.0	0.020628	*
				-17.00000	-23.00000	99.75000	0.0	0.0	0.018575	*
				-16.00000	-23.00000	99.75000	0.0	0.0	0.016442	*
				-15.00000	-23.00000	99.75000	0.0	0.0	0.014255	*
				-14.00000	-23.00000	99.75000	0.0	0.0	0.012046	*
				-13.00000	-23.00000	99.75000	0.0	0.0	0.0098431	*
				-12.00000	-23.00000	99.75000	0.0	0.0	0.0076779	*
				-11.00000	-23.00000	99.75000	0.0	0.0	0.0055794	*
				-10.00000	-23.00000	99.75000	0.0	0.0	0.0035751	*
				-9.00000	-23.00000	99.75000	0.0	0.0	0.0016896	*
				-8.00000	-23.00000	99.75000	0.0	0.0	-56.155E-6	*
				-7.00000	-23.00000	99.75000	0.0	0.0	-0.0016454	*
				-6.00000	-23.00000	99.75000	0.0	0.0	-0.0030661	*
				-5.00000	-23.00000	99.75000	0.0	0.0	-0.0043107	*
				-4.00000	-23.00000	99.75000	0.0	0.0	-0.0053764	*
				-3.00000	-23.00000	99.75000	0.0	0.0	-0.0062646	*
				-2.00000	-23.00000	99.75000	0.0	0.0	-0.0069805	*
				-1.00000	-23.00000	99.75000	0.0	0.0	-0.0075325	*
				0.00000	-23.00000	99.75000	0.0	0.0	-0.0079316	*
				1.00000	-23.00000	99.75000	0.0	0.0	0.0	
				2.00000	-23.00000	99.75000	0.0	0.0	0.0	
				3.00000	-23.00000	99.75000	0.0	0.0	0.0	
				4.00000	-23.00000	99.75000	0.0	0.0	0.0	
				5.00000	-23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-22.00000	99.75000	0.0	0.0	0.026611	*
				-39.00000	-22.00000	99.75000	0.0	0.0	0.028151	*
				-38.00000	-22.00000	99.75000	0.0	0.0	0.029653	*
				-37.00000	-22.00000	99.75000	0.0	0.0	0.031094	*
				-36.00000	-22.00000	99.75000	0.0	0.0	0.032449	*
				-35.00000	-22.00000	99.75000	0.0	0.0	0.033693	*
				-34.00000	-22.00000	99.75000	0.0	0.0	0.034798	*
				-33.00000	-22.00000	99.75000	0.0	0.0	0.035742	*
				-32.00000	-22.00000	99.75000	0.0	0.0	0.036503	*
				-31.00000	-22.00000	99.75000	0.0	0.0	0.037062	*
				-30.00000	-22.00000	99.75000	0.0	0.0	0.037404	*
				-29.00000	-22.00000	99.75000	0.0	0.0	0.037518	*
				-28.00000	-22.00000	99.75000	0.0	0.0	0.037395	*
				-27.00000	-22.00000	99.75000	0.0	0.0	0.037032	*
				-26.00000	-22.00000	99.75000	0.0	0.0	0.036428	*
				-25.00000	-22.00000	99.75000	0.0	0.0	0.035583	*
				-24.00000	-22.00000	99.75000	0.0	0.0	0.034502	*
				-23.00000	-22.00000	99.75000	0.0	0.0	0.033190	*
				-22.00000	-22.00000	99.75000	0.0	0.0	0.031657	*
				-21.00000	-22.00000	99.75000	0.0	0.0	0.029914	*
				-20.00000	-22.00000	99.75000	0.0	0.0	0.027974	*
				-19.00000	-22.00000	99.75000	0.0	0.0	0.025858	*
				-18.00000	-22.00000	99.75000	0.0	0.0	0.023585	*
				-17.00000	-22.00000	99.75000	0.0	0.0	0.021184	*
				-16.00000	-22.00000	99.75000	0.0	0.0	0.018683	*
				-15.00000	-22.00000	99.75000	0.0	0.0	0.016117	*
				-14.00000	-22.00000	99.75000	0.0	0.0	0.013521	*
				-13.00000	-22.00000	99.75000	0.0	0.0	0.010933	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-12.00000	-22.00000	99.75000	0.0	0.0	0.0083892	*
				-11.00000	-22.00000	99.75000	0.0	0.0	0.0059273	*
				-10.00000	-22.00000	99.75000	0.0	0.0	0.0035810	*
				-9.00000	-22.00000	99.75000	0.0	0.0	0.0013807	*
				-8.00000	-22.00000	99.75000	0.0	0.0	-648.09E-6	*
				-7.00000	-22.00000	99.75000	0.0	0.0	-0.0024851	*
				-6.00000	-22.00000	99.75000	0.0	0.0	-0.0041162	*
				-5.00000	-22.00000	99.75000	0.0	0.0	-0.0055331	*
				-4.00000	-22.00000	99.75000	0.0	0.0	-0.0067334	*
				-3.00000	-22.00000	99.75000	0.0	0.0	-0.0077202	*
				-2.00000	-22.00000	99.75000	0.0	0.0	-0.0085013	*
				-1.00000	-22.00000	99.75000	0.0	0.0	-0.0090883	*
				0.00000	-22.00000	99.75000	0.0	0.0	-0.0094958	*
				1.00000	-22.00000	99.75000	0.0	0.0	0.0	
				2.00000	-22.00000	99.75000	0.0	0.0	0.0	
				3.00000	-22.00000	99.75000	0.0	0.0	0.0	
				4.00000	-22.00000	99.75000	0.0	0.0	0.0	
				5.00000	-22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-21.00000	99.75000	0.0	0.0	0.029818	*
				-39.00000	-21.00000	99.75000	0.0	0.0	0.031640	*
				-38.00000	-21.00000	99.75000	0.0	0.0	0.033429	*
				-37.00000	-21.00000	99.75000	0.0	0.0	0.035155	*
				-36.00000	-21.00000	99.75000	0.0	0.0	0.036787	*
				-35.00000	-21.00000	99.75000	0.0	0.0	0.038293	*
				-34.00000	-21.00000	99.75000	0.0	0.0	0.039641	*
				-33.00000	-21.00000	99.75000	0.0	0.0	0.040800	*
				-32.00000	-21.00000	99.75000	0.0	0.0	0.041743	*
				-31.00000	-21.00000	99.75000	0.0	0.0	0.042448	*
				-30.00000	-21.00000	99.75000	0.0	0.0	0.042895	*
				-29.00000	-21.00000	99.75000	0.0	0.0	0.043072	*
				-28.00000	-21.00000	99.75000	0.0	0.0	0.042970	*
				-27.00000	-21.00000	99.75000	0.0	0.0	0.042585	*
				-26.00000	-21.00000	99.75000	0.0	0.0	0.041915	*
				-25.00000	-21.00000	99.75000	0.0	0.0	0.040964	*
				-24.00000	-21.00000	99.75000	0.0	0.0	0.039734	*
				-23.00000	-21.00000	99.75000	0.0	0.0	0.038233	*
				-22.00000	-21.00000	99.75000	0.0	0.0	0.036469	*
				-21.00000	-21.00000	99.75000	0.0	0.0	0.034453	*
				-20.00000	-21.00000	99.75000	0.0	0.0	0.032203	*
				-19.00000	-21.00000	99.75000	0.0	0.0	0.029737	*
				-18.00000	-21.00000	99.75000	0.0	0.0	0.027081	*
				-17.00000	-21.00000	99.75000	0.0	0.0	0.024266	*
				-16.00000	-21.00000	99.75000	0.0	0.0	0.021327	*
				-15.00000	-21.00000	99.75000	0.0	0.0	0.018305	*
				-14.00000	-21.00000	99.75000	0.0	0.0	0.015244	*
				-13.00000	-21.00000	99.75000	0.0	0.0	0.012191	*
				-12.00000	-21.00000	99.75000	0.0	0.0	0.0091916	*
				-11.00000	-21.00000	99.75000	0.0	0.0	0.0062924	*
				-10.00000	-21.00000	99.75000	0.0	0.0	0.0035357	*
				-9.00000	-21.00000	99.75000	0.0	0.0	959.10E-6	*
				-8.00000	-21.00000	99.75000	0.0	0.0	-0.0014057	*
				-7.00000	-21.00000	99.75000	0.0	0.0	-0.0035343	*
				-6.00000	-21.00000	99.75000	0.0	0.0	-0.0054099	*
				-5.00000	-21.00000	99.75000	0.0	0.0	-0.0070236	*
				-4.00000	-21.00000	99.75000	0.0	0.0	-0.0083740	*
				-3.00000	-21.00000	99.75000	0.0	0.0	-0.0094667	*
				-2.00000	-21.00000	99.75000	0.0	0.0	-0.010313	*
				-1.00000	-21.00000	99.75000	0.0	0.0	-0.010929	*
				0.00000	-21.00000	99.75000	0.0	0.0	-0.011334	*
				1.00000	-21.00000	99.75000	0.0	0.0	0.0	
				2.00000	-21.00000	99.75000	0.0	0.0	0.0	
				3.00000	-21.00000	99.75000	0.0	0.0	0.0	
				4.00000	-21.00000	99.75000	0.0	0.0	0.0	
				5.00000	-21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-20.00000	99.75000	0.0	0.0	0.033426	*
				-39.00000	-20.00000	99.75000	0.0	0.0	0.035591	*
				-38.00000	-20.00000	99.75000	0.0	0.0	0.037729	*
				-37.00000	-20.00000	99.75000	0.0	0.0	0.039806	*
				-36.00000	-20.00000	99.75000	0.0	0.0	0.041782	*
				-35.00000	-20.00000	99.75000	0.0	0.0	0.043615	*
				-34.00000	-20.00000	99.75000	0.0	0.0	0.045266	*
				-33.00000	-20.00000	99.75000	0.0	0.0	0.046696	*
				-32.00000	-20.00000	99.75000	0.0	0.0	0.047870	*
				-31.00000	-20.00000	99.75000	0.0	0.0	0.048759	*
				-30.00000	-20.00000	99.75000	0.0	0.0	0.049341	*
				-29.00000	-20.00000	99.75000	0.0	0.0	0.049601	*
				-28.00000	-20.00000	99.75000	0.0	0.0	0.049531	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-27.00000	-20.00000	99.75000	0.0	0.0	0.049126	*
				-26.00000	-20.00000	99.75000	0.0	0.0	0.048387	*
				-25.00000	-20.00000	99.75000	0.0	0.0	0.047316	*
				-24.00000	-20.00000	99.75000	0.0	0.0	0.045919	*
				-23.00000	-20.00000	99.75000	0.0	0.0	0.044201	*
				-22.00000	-20.00000	99.75000	0.0	0.0	0.042172	*
				-21.00000	-20.00000	99.75000	0.0	0.0	0.039843	*
				-20.00000	-20.00000	99.75000	0.0	0.0	0.037230	*
				-19.00000	-20.00000	99.75000	0.0	0.0	0.034354	*
				-18.00000	-20.00000	99.75000	0.0	0.0	0.031243	*
				-17.00000	-20.00000	99.75000	0.0	0.0	0.027934	*
				-16.00000	-20.00000	99.75000	0.0	0.0	0.024469	*
				-15.00000	-20.00000	99.75000	0.0	0.0	0.020897	*
				-14.00000	-20.00000	99.75000	0.0	0.0	0.017274	*
				-13.00000	-20.00000	99.75000	0.0	0.0	0.013657	*
				-12.00000	-20.00000	99.75000	0.0	0.0	0.010105	*
				-11.00000	-20.00000	99.75000	0.0	0.0	0.0066758	*
				-10.00000	-20.00000	99.75000	0.0	0.0	0.0034231	*
				-9.00000	-20.00000	99.75000	0.0	0.0	394.06E-6	*
				-8.00000	-20.00000	99.75000	0.0	0.0	-0.0023720	*
				-7.00000	-20.00000	99.75000	0.0	0.0	-0.0048452	*
				-6.00000	-20.00000	99.75000	0.0	0.0	-0.0070058	*
				-5.00000	-20.00000	99.75000	0.0	0.0	-0.0088445	*
				-4.00000	-20.00000	99.75000	0.0	0.0	-0.010362	*
				-3.00000	-20.00000	99.75000	0.0	0.0	-0.011566	*
				-2.00000	-20.00000	99.75000	0.0	0.0	-0.012474	*
				-1.00000	-20.00000	99.75000	0.0	0.0	-0.013109	*
				0.00000	-20.00000	99.75000	0.0	0.0	-0.013496	*
				1.00000	-20.00000	99.75000	0.0	0.0	0.0	
				2.00000	-20.00000	99.75000	0.0	0.0	0.0	
				3.00000	-20.00000	99.75000	0.0	0.0	0.0	
				4.00000	-20.00000	99.75000	0.0	0.0	0.0	
				5.00000	-20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-19.00000	99.75000	0.0	0.0	0.037489	*
				-39.00000	-19.00000	99.75000	0.0	0.0	0.040070	*
				-38.00000	-19.00000	99.75000	0.0	0.0	0.042638	*
				-37.00000	-19.00000	99.75000	0.0	0.0	0.045150	*
				-36.00000	-19.00000	99.75000	0.0	0.0	0.047555	*
				-35.00000	-19.00000	99.75000	0.0	0.0	0.049801	*
				-34.00000	-19.00000	99.75000	0.0	0.0	0.051835	*
				-33.00000	-19.00000	99.75000	0.0	0.0	0.053607	*
				-32.00000	-19.00000	99.75000	0.0	0.0	0.055072	*
				-31.00000	-19.00000	99.75000	0.0	0.0	0.056195	*
				-30.00000	-19.00000	99.75000	0.0	0.0	0.056949	*
				-29.00000	-19.00000	99.75000	0.0	0.0	0.057317	*
				-28.00000	-19.00000	99.75000	0.0	0.0	0.057292	*
				-27.00000	-19.00000	99.75000	0.0	0.0	0.056870	*
				-26.00000	-19.00000	99.75000	0.0	0.0	0.056055	*
				-25.00000	-19.00000	99.75000	0.0	0.0	0.054853	*
				-24.00000	-19.00000	99.75000	0.0	0.0	0.053267	*
				-23.00000	-19.00000	99.75000	0.0	0.0	0.051305	*
				-22.00000	-19.00000	99.75000	0.0	0.0	0.048973	*
				-21.00000	-19.00000	99.75000	0.0	0.0	0.046282	*
				-20.00000	-19.00000	99.75000	0.0	0.0	0.043247	*
				-19.00000	-19.00000	99.75000	0.0	0.0	0.039888	*
				-18.00000	-19.00000	99.75000	0.0	0.0	0.036238	*
				-17.00000	-19.00000	99.75000	0.0	0.0	0.032337	*
				-16.00000	-19.00000	99.75000	0.0	0.0	0.028237	*
				-15.00000	-19.00000	99.75000	0.0	0.0	0.023998	*
				-14.00000	-19.00000	99.75000	0.0	0.0	0.019689	*
				-13.00000	-19.00000	99.75000	0.0	0.0	0.015383	*
				-12.00000	-19.00000	99.75000	0.0	0.0	0.011156	*
				-11.00000	-19.00000	99.75000	0.0	0.0	0.0070794	*
				-10.00000	-19.00000	99.75000	0.0	0.0	0.0032229	*
				-9.00000	-19.00000	99.75000	0.0	0.023867	-354.08E-6	*
				-8.00000	-19.00000	99.75000	0.0	0.037500	-0.0036023	*
				-7.00000	-19.00000	99.75000	-999.90E-6	0.033866	-0.0064850	*
				-6.00000	-19.00000	99.75000	-805.92E-6	0.0088635	-0.0089790	*
				-5.00000	-19.00000	99.75000	0.0	0.0	-0.011075	*
				-4.00000	-19.00000	99.75000	0.0	0.0	-0.012775	*
				-3.00000	-19.00000	99.75000	0.0	0.0	-0.014096	*
				-2.00000	-19.00000	99.75000	0.0	0.0	-0.015059	*
				-1.00000	-19.00000	99.75000	0.0	0.0	-0.015695	*
				0.00000	-19.00000	99.75000	0.0	0.0	-0.016041	*
				1.00000	-19.00000	99.75000	0.0	0.0	0.0	
				2.00000	-19.00000	99.75000	0.0	0.0	0.0	
				3.00000	-19.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				4.00000	-19.00000	99.75000	0.0	0.0	0.0	
				5.00000	-19.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-18.00000	99.75000	0.0	0.0	0.042066	*
				-39.00000	-18.00000	99.75000	0.0	0.0	0.045157	*
				-38.00000	-18.00000	99.75000	0.0	0.0	0.048258	*
				-37.00000	-18.00000	99.75000	0.0	0.0	0.051314	*
				-36.00000	-18.00000	99.75000	0.0	0.0	0.054260	*
				-35.00000	-18.00000	99.75000	0.0	0.0	0.057029	*
				-34.00000	-18.00000	99.75000	0.0	0.0	0.059550	*
				-33.00000	-18.00000	99.75000	0.0	0.0	0.061758	*
				-32.00000	-18.00000	99.75000	0.0	0.0	0.063595	*
				-31.00000	-18.00000	99.75000	0.0	0.0	0.065016	*
				-30.00000	-18.00000	99.75000	0.0	0.0	0.065987	*
				-29.00000	-18.00000	99.75000	0.0	0.0	0.066492	*
				-28.00000	-18.00000	99.75000	0.0	0.0	0.066526	*
				-27.00000	-18.00000	99.75000	0.0	0.0	0.066090	*
				-26.00000	-18.00000	99.75000	0.0	0.0	0.065193	*
				-25.00000	-18.00000	99.75000	0.0	0.0	0.063844	*
				-24.00000	-18.00000	99.75000	0.0	0.0	0.062048	*
				-23.00000	-18.00000	99.75000	0.0	0.0	0.059810	*
				-22.00000	-18.00000	99.75000	0.0	0.0	0.057136	*
				-21.00000	-18.00000	99.75000	0.0	0.0	0.054030	*
				-20.00000	-18.00000	99.75000	0.0	0.0	0.050504	*
				-19.00000	-18.00000	99.75000	0.0	0.0	0.046578	*
				-18.00000	-18.00000	99.75000	0.0	0.0	0.042284	*
				-17.00000	-18.00000	99.75000	0.0	0.0	0.037671	*
				-16.00000	-18.00000	99.75000	0.0	0.0	0.032800	*
				-15.00000	-18.00000	99.75000	0.0	0.0	0.027745	*
				-14.00000	-18.00000	99.75000	0.0	0.0	0.022594	*
				-13.00000	-18.00000	99.75000	0.0	0.066725	0.017440	*
				-12.00000	-18.00000	99.75000	0.0	0.16512	0.012380	*
				-11.00000	-18.00000	99.75000	0.0	0.25290	0.0075069	*
				-10.00000	-18.00000	99.75000	0.0	0.32618	0.0029091	*
				-9.00000	-18.00000	99.75000	0.0	0.38078	-0.0013368	*
				-8.00000	-18.00000	99.75000	0.0	0.41250	-0.0051685	*
				-7.00000	-18.00000	99.75000	-0.012764	0.40289	-0.0085407	*
				-6.00000	-18.00000	99.75000	-0.035652	0.36480	-0.011426	*
				-5.00000	-18.00000	99.75000	-0.050777	0.30403	-0.013815	*
				-4.00000	-18.00000	99.75000	-0.053463	0.22365	-0.015716	*
				-3.00000	-18.00000	99.75000	-0.039702	0.12673	-0.017152	*
				-2.00000	-18.00000	99.75000	-0.0063039	0.016200	-0.018155	*
				-1.00000	-18.00000	99.75000	0.0	0.0	-0.018770	*
				0.00000	-18.00000	99.75000	0.0	0.0	-0.019041	*
				1.00000	-18.00000	99.75000	0.0	0.0	0.0	
				2.00000	-18.00000	99.75000	0.0	0.0	0.0	
				3.00000	-18.00000	99.75000	0.0	0.0	0.0	
				4.00000	-18.00000	99.75000	0.0	0.0	0.0	
				5.00000	-18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-17.00000	99.75000	0.0	0.0	0.047225	*
				-39.00000	-17.00000	99.75000	0.0	0.0	0.050944	*
				-38.00000	-17.00000	99.75000	0.0	0.0	0.054708	*
				-37.00000	-17.00000	99.75000	0.0	0.0	0.058449	*
				-36.00000	-17.00000	99.75000	0.0	0.0	0.062084	*
				-35.00000	-17.00000	99.75000	0.0	0.0	0.065522	*
				-34.00000	-17.00000	99.75000	0.0	0.0	0.068671	*
				-33.00000	-17.00000	99.75000	0.0	0.0	0.071441	*
				-32.00000	-17.00000	99.75000	0.0	0.0	0.073756	*
				-31.00000	-17.00000	99.75000	0.0	0.0	0.075554	*
				-30.00000	-17.00000	99.75000	0.0	0.0	0.076800	*
				-29.00000	-17.00000	99.75000	0.0	0.0	0.077476	*
				-28.00000	-17.00000	99.75000	0.0	0.0	0.077584	*
				-27.00000	-17.00000	99.75000	0.0	0.0	0.077135	*
				-26.00000	-17.00000	99.75000	0.0	0.0	0.076147	*
				-25.00000	-17.00000	99.75000	0.0	0.0	0.074633	*
				-24.00000	-17.00000	99.75000	0.0	0.0	0.072604	*
				-23.00000	-17.00000	99.75000	0.0	0.0	0.070061	*
				-22.00000	-17.00000	99.75000	0.0	0.0	0.067001	*
				-21.00000	-17.00000	99.75000	0.0	0.0	0.063423	*
				-20.00000	-17.00000	99.75000	0.0	0.0	0.059330	*
				-19.00000	-17.00000	99.75000	0.0	0.0	0.054736	*
				-18.00000	-17.00000	99.75000	0.0	0.0	0.049676	*
				-17.00000	-17.00000	99.75000	0.0	0.0	0.044201	*
				-16.00000	-17.00000	99.75000	0.0	0.0	0.038387	*
				-15.00000	-17.00000	99.75000	0.0	0.082826	0.032327	*
				-14.00000	-17.00000	99.75000	0.0	0.20951	0.026133	*
				-13.00000	-17.00000	99.75000	0.0	0.33401	0.019925	*
				-12.00000	-17.00000	99.75000	0.0	0.45303	0.013828	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-11.00000	-17.00000	99.75000	0.0	0.56263	0.0079645	*
				-10.00000	-17.00000	99.75000	0.0	0.65825	0.0024484	*
				-9.00000	-17.00000	99.75000	0.0	0.73492	-0.0026214	*
				-8.00000	-17.00000	99.75000	0.0	0.78750	-0.0071650	*
				-7.00000	-17.00000	99.75000	-0.026348	0.77098	-0.011126	*
				-6.00000	-17.00000	99.75000	-0.075822	0.71782	-0.014472	*
				-5.00000	-17.00000	99.75000	-0.11585	0.64084	-0.017195	*
				-4.00000	-17.00000	99.75000	-0.14082	0.54373	-0.019312	*
				-3.00000	-17.00000	99.75000	-0.14608	0.43017	-0.020856	*
				-2.00000	-17.00000	99.75000	-0.12804	0.30354	-0.021876	*
				-1.00000	-17.00000	99.75000	-0.084275	0.16688	-0.022430	*
				0.00000	-17.00000	99.75000	-0.013400	0.022773	-0.022583	*
				1.00000	-17.00000	99.75000	0.0	0.0	0.0	
				2.00000	-17.00000	99.75000	0.0	0.0	0.0	
				3.00000	-17.00000	99.75000	0.0	0.0	0.0	
				4.00000	-17.00000	99.75000	0.0	0.0	0.0	
				5.00000	-17.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-16.00000	99.75000	0.0	0.0	0.053040	*
				-39.00000	-16.00000	99.75000	0.0	0.0	0.057535	*
				-38.00000	-16.00000	99.75000	0.0	0.0	0.062132	*
				-37.00000	-16.00000	99.75000	0.0	0.0	0.066744	*
				-36.00000	-16.00000	99.75000	0.0	0.0	0.071264	*
				-35.00000	-16.00000	99.75000	0.0	0.0	0.075572	*
				-34.00000	-16.00000	99.75000	0.0	0.0	0.079539	*
				-33.00000	-16.00000	99.75000	0.0	0.0	0.083042	*
				-32.00000	-16.00000	99.75000	0.0	0.0	0.085974	*
				-31.00000	-16.00000	99.75000	0.0	0.0	0.088257	*
				-30.00000	-16.00000	99.75000	0.0	0.0	0.089846	*
				-29.00000	-16.00000	99.75000	0.0	0.0	0.090730	*
				-28.00000	-16.00000	99.75000	0.0	0.0	0.090923	*
				-27.00000	-16.00000	99.75000	0.0	0.0	0.090455	*
				-26.00000	-16.00000	99.75000	0.0	0.0	0.089360	*
				-25.00000	-16.00000	99.75000	0.0	0.0	0.087664	*
				-24.00000	-16.00000	99.75000	0.0	0.0	0.085379	*
				-23.00000	-16.00000	99.75000	0.0	0.0	0.082502	*
				-22.00000	-16.00000	99.75000	0.0	0.0	0.079018	*
				-21.00000	-16.00000	99.75000	0.0	0.0	0.074910	*
				-20.00000	-16.00000	99.75000	0.0	0.0	0.070166	*
				-19.00000	-16.00000	99.75000	0.0	0.0	0.064790	*
				-18.00000	-16.00000	99.75000	0.0	0.0	0.058811	*
				-17.00000	-16.00000	99.75000	0.0	0.017607	0.052288	*
				-16.00000	-16.00000	99.75000	0.0	0.15445	0.045312	*
				-15.00000	-16.00000	99.75000	0.0	0.29614	0.038003	*
				-14.00000	-16.00000	99.75000	0.0	0.44084	0.030504	*
				-13.00000	-16.00000	99.75000	0.0	0.58591	0.022971	*
				-12.00000	-16.00000	99.75000	0.0	0.72781	0.015571	*
				-11.00000	-16.00000	99.75000	0.0	0.86206	0.0084634	*
				-10.00000	-16.00000	99.75000	0.0	0.98332	0.0017977	*
				-9.00000	-16.00000	99.75000	0.0	1.0856	-0.0042966	*
				-8.00000	-16.00000	99.75000	0.0	1.1625	-0.0097165	*
				-7.00000	-16.00000	99.75000	-0.042212	1.1379	-0.014391	*
				-6.00000	-16.00000	99.75000	-0.12263	1.0672	-0.018281	*
				-5.00000	-16.00000	99.75000	-0.19136	0.97149	-0.021384	*
				-4.00000	-16.00000	99.75000	-0.24161	0.85532	-0.023727	*
				-3.00000	-16.00000	99.75000	-0.26791	0.72306	-0.025361	*
				-2.00000	-16.00000	99.75000	-0.26630	0.57868	-0.026358	*
				-1.00000	-16.00000	99.75000	-0.23432	0.42559	-0.026798	*
				0.00000	-16.00000	99.75000	-0.17085	0.26659	-0.026767	*
				1.00000	-16.00000	99.75000	-0.075890	0.10390	0.0	
				2.00000	-16.00000	99.75000	0.0	0.0	0.0	
				3.00000	-16.00000	99.75000	0.0	0.0	0.0	
				4.00000	-16.00000	99.75000	0.0	0.0	0.0	
				5.00000	-16.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-15.00000	99.75000	0.0	0.0	0.059590	*
				-39.00000	-15.00000	99.75000	0.0	0.0	0.065049	*
				-38.00000	-15.00000	99.75000	0.0	0.0	0.070698	*
				-37.00000	-15.00000	99.75000	0.0	0.0	0.076429	*
				-36.00000	-15.00000	99.75000	0.0	0.0	0.082104	*
				-35.00000	-15.00000	99.75000	0.0	0.0	0.087557	*
				-34.00000	-15.00000	99.75000	0.0	0.0	0.092607	*
				-33.00000	-15.00000	99.75000	0.0	0.0	0.097079	*
				-32.00000	-15.00000	99.75000	0.0	0.0	0.10082	*
				-31.00000	-15.00000	99.75000	0.0	0.0	0.10373	*
				-30.00000	-15.00000	99.75000	0.0	0.0	0.10574	*
				-29.00000	-15.00000	99.75000	0.0	0.0	0.10687	*
				-28.00000	-15.00000	99.75000	0.0	0.0	0.10715	*
				-27.00000	-15.00000	99.75000	0.0	0.0	0.10664	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-26.00000	-15.00000	99.75000	0.0	0.0	0.10541	*
				-25.00000	-15.00000	99.75000	0.0	0.0	0.10351	*
				-24.00000	-15.00000	99.75000	0.0	0.0	0.10095	*
				-23.00000	-15.00000	99.75000	0.0	0.0	0.097724	*
				-22.00000	-15.00000	99.75000	0.0	0.0	0.093786	*
				-21.00000	-15.00000	99.75000	0.0	0.0	0.089096	*
				-20.00000	-15.00000	99.75000	0.0	0.0	0.083614	*
				-19.00000	-15.00000	99.75000	0.0	0.0	0.077323	*
				-18.00000	-15.00000	99.75000	0.0	0.041092	0.070242	*
				-17.00000	-15.00000	99.75000	0.0	0.18176	0.062435	*
				-16.00000	-15.00000	99.75000	0.0	0.33113	0.054014	*
				-15.00000	-15.00000	99.75000	0.0	0.48837	0.045134	*
				-14.00000	-15.00000	99.75000	0.0	0.65189	0.035983	*
				-13.00000	-15.00000	99.75000	0.0	0.81914	0.026769	*
				-12.00000	-15.00000	99.75000	0.0	0.98638	0.017712	*
				-11.00000	-15.00000	99.75000	0.0	1.1486	0.0090236	*
				-10.00000	-15.00000	99.75000	0.0	1.2995	902.52E-6	*
				-9.00000	-15.00000	99.75000	0.0	1.4318	-0.0064804	*
				-8.00000	-15.00000	99.75000	0.0	1.5375	-0.012990	*
				-7.00000	-15.00000	99.75000	-0.060980	1.5034	-0.018535	*
				-6.00000	-15.00000	99.75000	-0.17786	1.4120	-0.023072	*
				-5.00000	-15.00000	99.75000	-0.28000	1.2944	-0.026603	*
				-4.00000	-15.00000	99.75000	-0.35907	1.1563	-0.029174	*
				-3.00000	-15.00000	99.75000	-0.40863	1.0030	-0.030864	*
				-2.00000	-15.00000	99.75000	-0.42437	0.83907	-0.031774	*
				-1.00000	-15.00000	99.75000	-0.40399	0.66831	-0.032020	*
				0.00000	-15.00000	99.75000	-0.34688	0.49371	-0.031718	*
				1.00000	-15.00000	99.75000	-0.25376	0.31747	0.0	
				2.00000	-15.00000	99.75000	-0.12621	0.14118	0.0	
				3.00000	-15.00000	99.75000	0.0	0.0	0.0	
				4.00000	-15.00000	99.75000	0.0	0.0	0.0	
				5.00000	-15.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-14.00000	99.75000	0.0	0.0	0.066954	*
				-39.00000	-14.00000	99.75000	0.0	0.0	0.073615	*
				-38.00000	-14.00000	99.75000	0.0	0.0	0.080603	*
				-37.00000	-14.00000	99.75000	0.0	0.0	0.087789	*
				-36.00000	-14.00000	99.75000	0.0	0.0	0.094989	*
				-35.00000	-14.00000	99.75000	0.0	0.0	0.10198	*
				-34.00000	-14.00000	99.75000	0.0	0.0	0.10849	*
				-33.00000	-14.00000	99.75000	0.0	0.0	0.11427	*
				-32.00000	-14.00000	99.75000	0.0	0.0	0.11909	*
				-31.00000	-14.00000	99.75000	0.0	0.0	0.12280	*
				-30.00000	-14.00000	99.75000	0.0	0.0	0.12534	*
				-29.00000	-14.00000	99.75000	0.0	0.0	0.12673	*
				-28.00000	-14.00000	99.75000	0.0	0.0	0.12707	*
				-27.00000	-14.00000	99.75000	0.0	0.0	0.12648	*
				-26.00000	-14.00000	99.75000	0.0	0.0	0.12507	*
				-25.00000	-14.00000	99.75000	0.0	0.0	0.12294	*
				-24.00000	-14.00000	99.75000	0.0	0.0	0.12010	*
				-23.00000	-14.00000	99.75000	0.0	0.0	0.11651	*
				-22.00000	-14.00000	99.75000	0.0	0.0	0.11212	*
				-21.00000	-14.00000	99.75000	0.0	0.0	0.10681	*
				-20.00000	-14.00000	99.75000	0.0	0.0	0.10051	*
				-19.00000	-14.00000	99.75000	0.0	0.035167	0.093153	*
				-18.00000	-14.00000	99.75000	0.0	0.17296	0.084745	*
				-17.00000	-14.00000	99.75000	0.0	0.32226	0.075352	*
				-16.00000	-14.00000	99.75000	0.0	0.48329	0.065114	*
				-15.00000	-14.00000	99.75000	0.0	0.65576	0.054236	*
				-14.00000	-14.00000	99.75000	0.0	0.83855	0.042968	*
				-13.00000	-14.00000	99.75000	0.0	1.0294	0.031593	*
				-12.00000	-14.00000	99.75000	0.0	1.2247	0.020402	*
				-11.00000	-14.00000	99.75000	0.0	1.4188	0.0096808	*
				-10.00000	-14.00000	99.75000	0.0	1.6043	-306.16E-6	*
				-9.00000	-14.00000	99.75000	0.0	1.7723	-0.0093303	*
				-8.00000	-14.00000	99.75000	0.0	1.9125	-0.017212	*
				-7.00000	-14.00000	99.75000	-0.083529	1.8669	-0.023832	*
				-6.00000	-14.00000	99.75000	-0.24400	1.7508	-0.029138	*
				-5.00000	-14.00000	99.75000	-0.38544	1.6074	-0.033146	*
				-4.00000	-14.00000	99.75000	-0.49750	1.4440	-0.035931	*
				-3.00000	-14.00000	99.75000	-0.57264	1.2669	-0.037613	*
				-2.00000	-14.00000	99.75000	-0.60632	1.0815	-0.038341	*
				-1.00000	-14.00000	99.75000	-0.59675	0.89196	-0.038277	*
				0.00000	-14.00000	99.75000	-0.54422	0.70128	-0.037579	*
				1.00000	-14.00000	99.75000	-0.45051	0.51152	0.0	
				2.00000	-14.00000	99.75000	-0.31832	0.32402	0.0	
				3.00000	-14.00000	99.75000	-0.15079	0.13954	0.0	
				4.00000	-14.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				5.00000	-14.00000	99.75000	0.0	0.0	0.0
				-40.00000	-13.00000	99.75000	0.0	0.0	0.075206
				-39.00000	-13.00000	99.75000	0.0	0.0	0.083369
				-38.00000	-13.00000	99.75000	0.0	0.0	0.092074
				-37.00000	-13.00000	99.75000	0.0	0.0	0.10117
				-36.00000	-13.00000	99.75000	0.0	0.0	0.11042
				-35.00000	-13.00000	99.75000	0.0	0.0	0.11950
				-34.00000	-13.00000	99.75000	0.0	0.0	0.12804
				-33.00000	-13.00000	99.75000	0.0	0.0	0.13562
				-32.00000	-13.00000	99.75000	0.0	0.0	0.14191
				-31.00000	-13.00000	99.75000	0.0	0.0	0.14668
				-30.00000	-13.00000	99.75000	0.0	0.0	0.14984
				-29.00000	-13.00000	99.75000	0.0	0.0	0.15148
				-28.00000	-13.00000	99.75000	0.0	0.0	0.15179
				-27.00000	-13.00000	99.75000	0.0	0.0	0.15102
				-26.00000	-13.00000	99.75000	0.0	0.0	0.14937
				-25.00000	-13.00000	99.75000	0.0	0.0	0.14696
				-24.00000	-13.00000	99.75000	0.0	0.0	0.14385
				-23.00000	-13.00000	99.75000	0.0	0.0	0.13995
				-22.00000	-13.00000	99.75000	0.0	0.0	0.13513
				-21.00000	-13.00000	99.75000	0.0	0.0	0.12922
				-20.00000	-13.00000	99.75000	0.0	0.0091081	0.12203
				-19.00000	-13.00000	99.75000	0.0	0.13811	0.11345
				-18.00000	-13.00000	99.75000	0.0	0.28006	0.10344
				-17.00000	-13.00000	99.75000	0.0	0.43611	0.092068
				-16.00000	-13.00000	99.75000	0.0	0.60720	0.079513
				-15.00000	-13.00000	99.75000	0.0	0.79384	0.066055
				-14.00000	-13.00000	99.75000	0.0	0.99574	0.052038
				-13.00000	-13.00000	99.75000	0.0	1.2114	0.037845
				-12.00000	-13.00000	99.75000	0.0	1.4373	0.023872
				-11.00000	-13.00000	99.75000	0.0	1.6677	0.010501
				-10.00000	-13.00000	99.75000	0.0	1.8941	-0.0019125
				-9.00000	-13.00000	99.75000	0.0	2.1051	-0.013058
				-8.00000	-13.00000	99.75000	0.0	2.2875	-0.022692
				-7.00000	-13.00000	99.75000	-0.11113	2.2279	-0.030653
				-6.00000	-13.00000	99.75000	-0.32458	2.0817	-0.036881
				-5.00000	-13.00000	99.75000	-0.51282	1.9075	-0.041411
				-4.00000	-13.00000	99.75000	-0.66277	1.7145	-0.044367
				-3.00000	-13.00000	99.75000	-0.76570	1.5106	-0.045933
				-2.00000	-13.00000	99.75000	-0.81725	1.3019	-0.046330
				-1.00000	-13.00000	99.75000	-0.81669	1.0927	-0.045787
				0.00000	-13.00000	99.75000	-0.76582	0.88593	-0.044522
				1.00000	-13.00000	99.75000	-0.66807	0.68317	0.0
				2.00000	-13.00000	99.75000	-0.52760	0.48533	0.0
				3.00000	-13.00000	99.75000	-0.34882	0.29273	0.0
				4.00000	-13.00000	99.75000	-0.13568	0.10553	0.0
				5.00000	-13.00000	99.75000	0.0	0.0	0.0
				-40.00000	-12.00000	99.75000	0.0	0.0	0.084401
				-39.00000	-12.00000	99.75000	0.0	0.0	0.094441
				-38.00000	-12.00000	99.75000	0.0	0.0	0.10536
				-37.00000	-12.00000	99.75000	0.0	0.0	0.11699
				-36.00000	-12.00000	99.75000	0.0	0.0	0.12904
				-35.00000	-12.00000	99.75000	0.0	0.0	0.14106
				-34.00000	-12.00000	99.75000	0.0	0.0	0.15247
				-33.00000	-12.00000	99.75000	0.0	0.0	0.16263
				-32.00000	-12.00000	99.75000	0.0	0.0	0.17098
				-31.00000	-12.00000	99.75000	0.0	0.0	0.17713
				-30.00000	-12.00000	99.75000	0.0	0.0	0.18100
				-29.00000	-12.00000	99.75000	0.0	0.0	0.18280
				-28.00000	-12.00000	99.75000	0.0	0.0	0.18290
				-27.00000	-12.00000	99.75000	0.0	0.0	0.18173
				-26.00000	-12.00000	99.75000	0.0	0.0	0.17969
				-25.00000	-12.00000	99.75000	0.0	0.0	0.17698
				-24.00000	-12.00000	99.75000	0.0	0.0	0.17364
				-23.00000	-12.00000	99.75000	0.0	0.0	0.16954
				-22.00000	-12.00000	99.75000	0.0	0.0	0.16444
				-21.00000	-12.00000	99.75000	0.0	0.0	0.15800
				-20.00000	-12.00000	99.75000	0.0	0.087986	0.14991
				-19.00000	-12.00000	99.75000	0.0	0.21665	0.13994
				-18.00000	-12.00000	99.75000	0.0	0.36010	0.12798
				-17.00000	-12.00000	99.75000	0.0	0.52018	0.11410
				-16.00000	-12.00000	99.75000	0.0	0.69876	0.098544
				-15.00000	-12.00000	99.75000	0.0	0.89744	0.081698
				-14.00000	-12.00000	99.75000	0.0	1.1172	0.064053
				-13.00000	-12.00000	99.75000	0.0	1.3578	0.046137
				-12.00000	-12.00000	99.75000	0.0	1.6168	0.028484
				-11.00000	-12.00000	99.75000	0.0	1.8886	0.011608



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
ATDate
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London

Ground Movement Assessment

Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-10.00000	-12.00000	99.75000	0.0	2.1635	-0.0040118	*
				-9.00000	-12.00000	99.75000	0.0	2.4273	-0.017949	*
				-8.00000	-12.00000	99.75000	0.0	2.6625	-0.029860	*
				-7.00000	-12.00000	99.75000	-0.14569	2.5853	-0.039522	*
				-6.00000	-12.00000	99.75000	-0.42486	2.4018	-0.046857	*
				-5.00000	-12.00000	99.75000	-0.66951	2.1903	-0.051940	*
				-4.00000	-12.00000	99.75000	-0.86294	1.9627	-0.054972	*
				-3.00000	-12.00000	99.75000	-0.99537	1.7288	-0.056243	*
				-2.00000	-12.00000	99.75000	-1.0634	1.4951	-0.056082	*
				-1.00000	-12.00000	99.75000	-1.0685	1.2661	-0.054817	*
				0.00000	-12.00000	99.75000	-1.0148	1.0438	-0.052746	*
				1.00000	-12.00000	99.75000	-0.90816	0.82922	0.0	*
				2.00000	-12.00000	99.75000	-0.75467	0.62257	0.0	*
				3.00000	-12.00000	99.75000	-0.55107	0.42861	0.0	*
				4.00000	-12.00000	99.75000	-0.31741	0.24688	0.0	*
				5.00000	-12.00000	99.75000	-0.083760	0.065147	0.0	*
				-40.00000	-11.00000	99.75000	0.0	0.0	0.094559	*
				-39.00000	-11.00000	99.75000	0.0	0.0	0.10693	*
				-38.00000	-11.00000	99.75000	0.0	0.0	0.12070	*
				-37.00000	-11.00000	99.75000	0.0	0.0	0.13573	*
				-36.00000	-11.00000	99.75000	0.0	0.0	0.15167	*
				-35.00000	-11.00000	99.75000	0.0	0.0	0.16791	*
				-34.00000	-11.00000	99.75000	0.0	0.0	0.18355	*
				-33.00000	-11.00000	99.75000	0.0	0.0	0.19754	*
				-32.00000	-11.00000	99.75000	0.0	0.0	0.20886	*
				-31.00000	-11.00000	99.75000	0.0	0.0	0.21689	*
				-30.00000	-11.00000	99.75000	0.0	0.0	0.22152	*
				-29.00000	-11.00000	99.75000	0.0	0.0	0.22318	*
				-28.00000	-11.00000	99.75000	0.0	0.0	0.22263	*
				-27.00000	-11.00000	99.75000	0.0	0.0	0.22069	*
				-26.00000	-11.00000	99.75000	0.0	0.0	0.21801	*
				-25.00000	-11.00000	99.75000	0.0	0.0	0.21494	*
				-24.00000	-11.00000	99.75000	0.0	0.0	0.21151	*
				-23.00000	-11.00000	99.75000	0.0	0.0	0.20747	*
				-22.00000	-11.00000	99.75000	0.0	0.0	0.20237	*
				-21.00000	-11.00000	99.75000	0.0	0.032888	0.19564	*
				-20.00000	-11.00000	99.75000	0.0	0.14422	0.18674	*
				-19.00000	-11.00000	99.75000	0.0	0.26950	0.17523	*
				-18.00000	-11.00000	99.75000	0.0	0.41102	0.16089	*
				-17.00000	-11.00000	99.75000	0.0	0.57141	0.14377	*
				-16.00000	-11.00000	99.75000	0.0	0.75361	0.12423	*
				-15.00000	-11.00000	99.75000	0.0	0.96067	0.10284	*
				-14.00000	-11.00000	99.75000	0.0	1.1954	0.080326	*
				-13.00000	-11.00000	99.75000	0.0	1.4597	0.057415	*
				-12.00000	-11.00000	99.75000	0.0	1.7531	0.034828	*
				-11.00000	-11.00000	99.75000	0.0	2.0715	0.013244	*
				-10.00000	-11.00000	99.75000	0.0	2.4046	-0.0066924	*
				-9.00000	-11.00000	99.75000	0.0	2.7346	-0.024383	*
				-8.00000	-11.00000	99.75000	0.0	3.0375	-0.039326	*
				-7.00000	-11.00000	99.75000	-0.19022	2.9377	-0.051186	*
				-6.00000	-11.00000	99.75000	-0.55293	2.7066	-0.059861	*
				-5.00000	-11.00000	99.75000	-0.86647	2.4491	-0.065490	*
				-4.00000	-11.00000	99.75000	-1.1093	2.1811	-0.068413	*
				-3.00000	-11.00000	99.75000	-1.2715	1.9140	-0.069092	*
				-2.00000	-11.00000	99.75000	-1.3524	1.6546	-0.068024	*
				-1.00000	-11.00000	99.75000	-1.3571	1.4064	-0.065682	*
				0.00000	-11.00000	99.75000	-1.2940	1.1704	-0.062477	*
				1.00000	-11.00000	99.75000	-1.1719	0.94630	0.0	*
				2.00000	-11.00000	99.75000	-0.96645	0.75169	0.0	*
				3.00000	-11.00000	99.75000	-0.73280	0.56995	0.0	*
				4.00000	-11.00000	99.75000	-0.49914	0.38822	0.0	*
				5.00000	-11.00000	99.75000	-0.26549	0.20649	0.0	*
				-40.00000	-10.00000	99.75000	0.0	0.0	0.10563	*
				-39.00000	-10.00000	99.75000	0.0	0.0	0.12088	*
				-38.00000	-10.00000	99.75000	0.0	0.0	0.13831	*
				-37.00000	-10.00000	99.75000	0.0	0.0	0.15792	*
				-36.00000	-10.00000	99.75000	0.0	0.0	0.17936	*
				-35.00000	-10.00000	99.75000	0.0	0.0	0.20185	*
				-34.00000	-10.00000	99.75000	0.0	0.0	0.22397	*
				-33.00000	-10.00000	99.75000	0.0016946	0.014160	0.24391	*
				-32.00000	-10.00000	99.75000	0.0	0.10000	0.25979	*
				-31.00000	-10.00000	99.75000	0.0	0.10000	0.27040	*
				-30.00000	-10.00000	99.75000	0.0	0.10000	0.27564	*
				-29.00000	-10.00000	99.75000	0.0	0.10000	0.27647	*
				-28.00000	-10.00000	99.75000	0.0	0.10000	0.27439	*
				-27.00000	-10.00000	99.75000	0.0	0.10000	0.27092	*
				-26.00000	-10.00000	99.75000	0.0	0.10000	0.26718	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-25.00000	-10.00000	99.75000	0.0	0.10000	0.26372	*
				-24.00000	-10.00000	99.75000	0.0	0.10000	0.26050	*
				-23.00000	-10.00000	99.75000	0.0	0.10000	0.25704	*
				-22.00000	-10.00000	99.75000	-0.0010698	0.098083	0.25251	*
				-21.00000	-10.00000	99.75000	0.0	0.073618	0.24600	*
				-20.00000	-10.00000	99.75000	0.0	0.17760	0.23655	*
				-19.00000	-10.00000	99.75000	0.0	0.29590	0.22340	*
				-18.00000	-10.00000	99.75000	0.0	0.43129	0.20610	*
				-17.00000	-10.00000	99.75000	0.0	0.58716	0.18469	*
				-16.00000	-10.00000	99.75000	0.0	0.76757	0.15972	*
				-15.00000	-10.00000	99.75000	0.0	0.97727	0.13210	*
				-14.00000	-10.00000	99.75000	0.0	1.2215	0.10292	*
				-13.00000	-10.00000	99.75000	0.0	1.5053	0.073204	*
				-12.00000	-10.00000	99.75000	0.0030598	1.8431	0.047253	*
				-11.00000	-10.00000	99.75000	0.0	2.2392	0.024263	*
				-10.00000	-10.00000	99.75000	0.0	2.6420	-0.0016147	*
				-9.00000	-10.00000	99.75000	0.0	3.0571	-0.024499	*
				-8.00000	-10.00000	99.75000	0.0	3.4493	-0.043748	*
				-7.00000	-10.00000	99.75000	-0.24974	3.2824	-0.066750	*
				-6.00000	-10.00000	99.75000	-0.72194	2.9890	-0.077054	*
				-5.00000	-10.00000	99.75000	-1.1205	2.6741	-0.083142	*
				-4.00000	-10.00000	99.75000	-1.4181	2.3589	-0.085604	*
				-3.00000	-10.00000	99.75000	-1.6070	2.0565	-0.085195	*
				-2.00000	-10.00000	99.75000	-1.6928	1.7723	-0.082684	*
				-1.00000	-10.00000	99.75000	-1.6878	1.5076	-0.078755	*
				0.00000	-10.00000	99.75000	-1.6057	1.2612	-0.073962	*
				1.00000	-10.00000	99.75000	-1.3818	1.0748	0.0	*
				2.00000	-10.00000	99.75000	-1.1482	0.89303	0.0	*
				3.00000	-10.00000	99.75000	-0.91453	0.71130	0.0	*
				4.00000	-10.00000	99.75000	-0.68088	0.52957	0.0	*
				5.00000	-10.00000	99.75000	-0.44722	0.34784	0.0	*
				-40.00000	-9.00000	99.75000	0.0	0.0	0.11746	*
				-39.00000	-9.00000	99.75000	0.0	0.0	0.13618	*
				-38.00000	-9.00000	99.75000	0.0	0.0	0.15827	*
				-37.00000	-9.00000	99.75000	0.0	0.0	0.18402	*
				-36.00000	-9.00000	99.75000	0.0	0.0	0.21334	*
				-35.00000	-9.00000	99.75000	0.089033	0.16553	0.24533	*
				-34.00000	-9.00000	99.75000	0.17456	0.53300	0.27789	*
				-33.00000	-9.00000	99.75000	0.12803	0.87097	0.30769	*
				-32.00000	-9.00000	99.75000	0.0	1.1000	0.33100	*
				-31.00000	-9.00000	99.75000	0.0	1.1000	0.34529	*
				-30.00000	-9.00000	99.75000	0.0	1.1000	0.35051	*
				-29.00000	-9.00000	99.75000	0.0	1.1000	0.34886	*
				-28.00000	-9.00000	99.75000	0.0	1.1000	0.34345	*
				-27.00000	-9.00000	99.75000	0.0	1.1000	0.33709	*
				-26.00000	-9.00000	99.75000	0.0	1.1000	0.33161	*
				-25.00000	-9.00000	99.75000	0.0	1.1000	0.32780	*
				-24.00000	-9.00000	99.75000	0.0	1.1000	0.32542	*
				-23.00000	-9.00000	99.75000	0.0	1.1000	0.32349	*
				-22.00000	-9.00000	99.75000	-0.014276	1.0981	0.32061	*
				-21.00000	-9.00000	99.75000	-0.13750	0.93583	0.31525	*
				-20.00000	-9.00000	99.75000	-0.17243	0.68515	0.30588	*
				-19.00000	-9.00000	99.75000	-0.072441	0.42522	0.29113	*
				-18.00000	-9.00000	99.75000	0.0	0.42029	0.27010	*
				-17.00000	-9.00000	99.75000	0.0	0.56567	0.24280	*
				-16.00000	-9.00000	99.75000	0.0	0.73715	0.21014	*
				-15.00000	-9.00000	99.75000	0.0	0.94120	0.17369	*
				-14.00000	-9.00000	99.75000	0.10415	1.2616	0.14782	*
				-13.00000	-9.00000	99.75000	0.17533	1.6940	0.12387	*
				-12.00000	-9.00000	99.75000	0.11773	2.1728	0.10269	*
				-11.00000	-9.00000	99.75000	0.0	2.6692	0.077495	*
				-10.00000	-9.00000	99.75000	0.0	3.2382	0.056613	*
				-9.00000	-9.00000	99.75000	0.0	3.8629	0.040127	*
				-8.00000	-9.00000	99.75000	0.0	4.4359	0.023217	*
				-7.00000	-9.00000	99.75000	-0.35391	4.1533	-0.011293	*
				-6.00000	-9.00000	99.75000	-0.99754	3.5685	-0.050030	*
				-5.00000	-9.00000	99.75000	-1.4751	2.9306	-0.089898	*
				-4.00000	-9.00000	99.75000	-1.8119	2.4807	-0.10781	*
				-3.00000	-9.00000	99.75000	-2.0176	2.1434	-0.10549	*
				-2.00000	-9.00000	99.75000	-2.0939	1.8386	-0.10071	*
				-1.00000	-9.00000	99.75000	-2.0309	1.5796	-0.094455	*
				0.00000	-9.00000	99.75000	-1.7972	1.3978	-0.087459	*
				1.00000	-9.00000	99.75000	-1.5636	1.2161	0.0	*
				2.00000	-9.00000	99.75000	-1.3299	1.0344	0.0	*
				3.00000	-9.00000	99.75000	-1.0963	0.85265	0.0	*
				4.00000	-9.00000	99.75000	-0.86261	0.67092	0.0	*
				5.00000	-9.00000	99.75000	-0.63543	0.46589	0.0	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-9.00000	-7.00000	99.75000	0.0	5.3635	0.70636	*
				-8.00000	-7.00000	99.75000	0.0	6.5822	0.75532	*
				-7.00000	-7.00000	99.75000	-0.80225	5.8592	0.53388	*
				-6.00000	-7.00000	99.75000	-2.1484	4.6818	0.25075	*
				-5.00000	-7.00000	99.75000	-2.9556	3.6575	0.021146	*
				-4.00000	-7.00000	99.75000	-3.2641	2.8277	-0.098450	*
				-3.00000	-7.00000	99.75000	-2.9386	2.3020	-0.14441	*
				-2.00000	-7.00000	99.75000	-2.6280	2.0440	-0.14993	*
				-1.00000	-7.00000	99.75000	-2.3943	1.8623	-0.13547	*
				0.00000	-7.00000	99.75000	-2.1607	1.6805	-0.12136	*
				1.00000	-7.00000	99.75000	-1.9270	1.4988	0.0	
				2.00000	-7.00000	99.75000	-1.7029	1.2907	0.0	
				3.00000	-7.00000	99.75000	-1.4980	1.0052	0.0	
				4.00000	-7.00000	99.75000	-1.2661	0.76057	0.0	
				5.00000	-7.00000	99.75000	-1.0124	0.54968	0.0	
				-40.00000	-6.00000	99.75000	0.0	0.0	0.15346	*
				-39.00000	-6.00000	99.75000	0.0	0.0	0.18521	*
				-38.00000	-6.00000	99.75000	0.0	0.0	0.22704	*
				-37.00000	-6.00000	99.75000	0.50063	0.15054	0.28347	*
				-36.00000	-6.00000	99.75000	1.1280	0.44370	0.36112	*
				-35.00000	-6.00000	99.75000	1.5688	0.88019	0.46838	*
				-34.00000	-6.00000	99.75000	1.6736	1.5678	0.61060	*
				-33.00000	-6.00000	99.75000	1.1989	2.6883	0.77934	*
				-32.00000	-6.00000	99.75000	0.0	4.2167	0.92098	*
				-31.00000	-6.00000	99.75000	0.0	4.2167	0.95935	*
				-30.00000	-6.00000	99.75000	0.0	4.2167	0.92178	*
				-29.00000	-6.00000	99.75000	0.0	4.2167	0.86124	*
				-28.00000	-6.00000	99.75000	0.0	4.2167	0.80779	*
				-27.00000	-6.00000	99.75000	0.0	4.2167	0.77070	*
				-26.00000	-6.00000	99.75000	0.0	4.2167	0.75256	*
				-25.00000	-6.00000	99.75000	0.0	4.2167	0.75397	*
				-24.00000	-6.00000	99.75000	0.0	4.2167	0.77106	*
				-23.00000	-6.00000	99.75000	0.0	4.2167	0.79164	*
				-22.00000	-6.00000	99.75000	-0.14104	7.1002	0.80352	*
				-21.00000	-6.00000	99.75000	-1.2772	5.6101	0.79687	*
				-20.00000	-6.00000	99.75000	-1.6848	4.5901	0.79882	*
				-19.00000	-6.00000	99.75000	-1.5365	3.9842	0.78745	*
				-18.00000	-6.00000	99.75000	-1.0720	3.6253	0.74723	*
				-17.00000	-6.00000	99.75000	-0.43099	3.4148	0.67565	*
				-16.00000	-6.00000	99.75000	0.56920	3.4430	0.58926	*
				-15.00000	-6.00000	99.75000	1.1822	3.6700	0.51239	*
				-14.00000	-6.00000	99.75000	1.5977	3.9882	0.50076	*
				-13.00000	-6.00000	99.75000	1.6565	4.4792	0.60022	*
				-12.00000	-6.00000	99.75000	1.1115	5.3171	0.83782	*
				-11.00000	-6.00000	99.75000	0.0	3.4457	1.1188	*
				-10.00000	-6.00000	99.75000	0.0	4.3366	1.1452	*
				-9.00000	-6.00000	99.75000	0.0	5.7892	1.2947	*
				-8.00000	-6.00000	99.75000	0.0	7.7512	1.4896	*
				-7.00000	-6.00000	99.75000	-1.3638	6.4035	1.0405	*
				-6.00000	-6.00000	99.75000	-3.3546	4.7009	0.53680	*
				-5.00000	-6.00000	99.75000	-4.1646	3.5494	0.13591	*
				-4.00000	-6.00000	99.75000	-3.7232	3.0493	-0.078551	*
				-3.00000	-6.00000	99.75000	-3.2819	2.6000	-0.15202	*
				-2.00000	-6.00000	99.75000	-2.8405	2.2093	-0.17562	*
				-1.00000	-6.00000	99.75000	-2.5761	2.0036	-0.16145	*
				0.00000	-6.00000	99.75000	-2.3424	1.8219	-0.14196	*
				1.00000	-6.00000	99.75000	-2.1418	1.5456	0.0	
				2.00000	-6.00000	99.75000	-1.9460	1.2193	0.0	
				3.00000	-6.00000	99.75000	-1.7172	0.94825	0.0	
				4.00000	-6.00000	99.75000	-1.4628	0.72092	0.0	
				5.00000	-6.00000	99.75000	-1.1884	0.52825	0.0	
				-40.00000	-5.00000	99.75000	0.0	0.0	0.16342	*
				-39.00000	-5.00000	99.75000	0.0	0.0	0.19913	*
				-38.00000	-5.00000	99.75000	0.0	0.0	0.24763	*
				-37.00000	-5.00000	99.75000	0.81538	0.10427	0.31628	*
				-36.00000	-5.00000	99.75000	1.6323	0.26770	0.41824	*
				-35.00000	-5.00000	99.75000	2.3358	0.53213	0.57734	*
				-34.00000	-5.00000	99.75000	2.7959	1.0299	0.83606	*
				-33.00000	-5.00000	99.75000	2.6440	2.3122	1.3005	*
				-32.00000	-5.00000	99.75000	0.0	5.5500	1.8010	*
				-31.00000	-5.00000	99.75000	0.0	5.5500	1.8332	*
				-30.00000	-5.00000	99.75000	0.0	5.5500	1.6681	*
				-29.00000	-5.00000	99.75000	0.0	5.5500	1.5192	*
				-28.00000	-5.00000	99.75000	0.0	5.5500	1.4187	*
				-27.00000	-5.00000	99.75000	0.0	5.5500	1.3581	*
				-26.00000	-5.00000	99.75000	0.0	5.5500	1.3325	*
				-25.00000	-5.00000	99.75000	0.0	5.5500	1.3445	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-24.00000	-5.00000	99.75000	0.0	5.5500	1.3934	*
				-23.00000	-5.00000	99.75000	0.0	5.5500	1.4444	*
				-22.00000	-5.00000	99.75000	-0.39046	9.2504	1.4428	*
				-21.00000	-5.00000	99.75000	-2.7355	6.2353	1.2758	*
				-20.00000	-5.00000	99.75000	-2.7576	5.0940	1.2347	*
				-19.00000	-5.00000	99.75000	-2.2734	4.6592	1.2410	*
				-18.00000	-5.00000	99.75000	-1.5544	4.4376	1.1907	*
				-17.00000	-5.00000	99.75000	-0.70119	4.3175	1.0765	*
				-16.00000	-5.00000	99.75000	0.90031	4.3133	0.92038	*
				-15.00000	-5.00000	99.75000	1.7091	4.4339	0.77510	*
				-14.00000	-5.00000	99.75000	2.3958	4.6138	0.69398	*
				-13.00000	-5.00000	99.75000	2.8353	4.9511	0.72414	*
				-12.00000	-5.00000	99.75000	2.5265	5.7801	1.0108	*
				-11.00000	-5.00000	99.75000	0.0	3.3425	1.5787	*
				-10.00000	-5.00000	99.75000	0.0	3.9633	1.5405	*
				-9.00000	-5.00000	99.75000	0.0	5.4169	1.6908	*
				-8.00000	-5.00000	99.75000	0.0	9.0549	2.2636	*
				-7.00000	-5.00000	99.75000	-2.9790	6.1839	1.3774	*
				-6.00000	-5.00000	99.75000	-4.9492	4.2085	0.67550	*
				-5.00000	-5.00000	99.75000	-4.5078	3.6931	0.21934	*
				-4.00000	-5.00000	99.75000	-4.0665	3.2558	-0.039132	*
				-3.00000	-5.00000	99.75000	-3.6251	2.8538	-0.15324	*
				-2.00000	-5.00000	99.75000	-3.1838	2.4763	-0.18504	*
				-1.00000	-5.00000	99.75000	-2.7578	2.1450	-0.19113	*
				0.00000	-5.00000	99.75000	-2.5992	1.7442	-0.16479	*
				1.00000	-5.00000	99.75000	-2.4133	1.3690	0.0	*
				2.00000	-5.00000	99.75000	-2.1861	1.0709	0.0	*
				3.00000	-5.00000	99.75000	-1.9285	0.82995	0.0	*
				4.00000	-5.00000	99.75000	-1.6485	0.63187	0.0	*
				5.00000	-5.00000	99.75000	-1.3513	0.46662	0.0	*
				-40.00000	-4.00000	99.75000	0.0	0.0	0.17110	*
				-39.00000	-4.00000	99.75000	0.0	0.0	0.20952	*
				-38.00000	-4.00000	99.75000	0.0	0.0	0.26259	*
				-37.00000	-4.00000	99.75000	1.0000	0.0	0.34011	*
				-36.00000	-4.00000	99.75000	2.0000	0.0	0.46213	*
				-35.00000	-4.00000	99.75000	3.0000	0.0	0.67503	*
				-34.00000	-4.00000	99.75000	4.0833	0.0	1.1173	*
				-33.00000	-4.00000	99.75000	5.4167	0.0	2.3490	*
				-32.00000	-4.00000	99.75000	6.7500	0.0	5.2201	*
				-31.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-4.00000	99.75000	-6.6167	5.4167	2.9793	*
				-21.00000	-4.00000	99.75000	-5.2833	5.4167	2.2255	*
				-20.00000	-4.00000	99.75000	-3.9500	5.4167	2.2405	*
				-19.00000	-4.00000	99.75000	-2.9000	5.4167	2.2815	*
				-18.00000	-4.00000	99.75000	-1.9000	5.4167	2.2264	*
				-17.00000	-4.00000	99.75000	-0.80000	5.4167	2.0224	*
				-16.00000	-4.00000	99.75000	1.1000	5.4167	1.6822	*
				-15.00000	-4.00000	99.75000	2.1000	5.4167	1.3858	*
				-14.00000	-4.00000	99.75000	3.1000	5.4167	1.1660	*
				-13.00000	-4.00000	99.75000	4.2167	5.4167	1.0098	*
				-12.00000	-4.00000	99.75000	5.5500	5.4167	1.0706	*
				-11.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-4.00000	99.75000	0.0	0.0	-0.24326	*
				-7.00000	-4.00000	99.75000	-5.7338	4.4596	1.1166	*
				-6.00000	-4.00000	99.75000	-5.2924	4.1163	0.63083	*
				-5.00000	-4.00000	99.75000	-4.8511	3.7731	0.28057	*
				-4.00000	-4.00000	99.75000	-4.4098	3.4298	0.028771	*
				-3.00000	-4.00000	99.75000	-3.9684	3.0865	-0.12261	*
				-2.00000	-4.00000	99.75000	-3.5396	2.7094	-0.18651	*
				-1.00000	-4.00000	99.75000	-3.2325	1.9262	-0.19780	*
				0.00000	-4.00000	99.75000	-2.9127	1.4120	-0.18926	*
				1.00000	-4.00000	99.75000	-2.6825	1.0926	0.0	*
				2.00000	-4.00000	99.75000	-2.4167	0.84746	0.0	*
				3.00000	-4.00000	99.75000	-2.1261	0.65402	0.0	*
				4.00000	-4.00000	99.75000	-1.8179	0.49784	0.0	*
				5.00000	-4.00000	99.75000	-1.4966	0.36925	0.0	*
				-40.00000	-3.00000	99.75000	0.0	0.0	0.17610	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-39.00000	-3.00000	99.75000	0.0	0.0	0.21547	*
				-38.00000	-3.00000	99.75000	0.0	0.0	0.26972	*
				-37.00000	-3.00000	99.75000	1.0000	0.0	0.34906	*
				-36.00000	-3.00000	99.75000	2.0000	0.0	0.47560	*
				-35.00000	-3.00000	99.75000	3.0000	0.0	0.70560	*
				-34.00000	-3.00000	99.75000	4.0833	0.0	1.2413	*
				-33.00000	-3.00000	99.75000	5.4167	0.0	3.5767	*
				-32.00000	-3.00000	99.75000	6.7500	0.0	7.1457	*
				-31.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-3.00000	99.75000	-6.6167	6.7500	4.1169	*
				-21.00000	-3.00000	99.75000	-5.2833	6.7500	4.0247	*
				-20.00000	-3.00000	99.75000	-3.9500	6.7500	5.1419	*
				-19.00000	-3.00000	99.75000	-2.9000	6.7500	4.7710	*
				-18.00000	-3.00000	99.75000	-1.9000	6.7500	5.0250	*
				-17.00000	-3.00000	99.75000	-0.80000	6.7500	4.6526	*
				-16.00000	-3.00000	99.75000	1.1000	6.7500	3.3551	*
				-15.00000	-3.00000	99.75000	2.1000	6.7500	2.7887	*
				-14.00000	-3.00000	99.75000	3.1000	6.7500	2.4796	*
				-13.00000	-3.00000	99.75000	4.2167	6.7500	2.2795	*
				-12.00000	-3.00000	99.75000	5.5500	6.7500	2.2914	*
				-11.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-3.00000	99.75000	0.0	0.0	-1.2473	*
				-7.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	-3.00000	99.75000	-5.6357	4.3833	0.71571	*
				-5.00000	-3.00000	99.75000	-5.1944	4.0401	0.43351	*
				-4.00000	-3.00000	99.75000	-4.7530	3.6968	0.16449	*
				-3.00000	-3.00000	99.75000	-4.4445	2.9825	-0.039169	*
				-2.00000	-3.00000	99.75000	-4.1872	1.9830	-0.16859	*
				-1.00000	-3.00000	99.75000	-3.7517	1.3632	-0.21007	*
				0.00000	-3.00000	99.75000	-3.2236	0.94784	-0.21441	*
				1.00000	-3.00000	99.75000	-2.9383	0.72498	0.0	*
				2.00000	-3.00000	99.75000	-2.6284	0.55859	0.0	*
				3.00000	-3.00000	99.75000	-2.3022	0.42975	0.0	*
				4.00000	-3.00000	99.75000	-1.9647	0.32706	0.0	*
				5.00000	-3.00000	99.75000	-1.6190	0.24327	0.0	*
				-40.00000	-2.00000	99.75000	0.0	0.0	0.17854	*
				-39.00000	-2.00000	99.75000	0.0	0.0	0.21715	*
				-38.00000	-2.00000	99.75000	0.0	0.0	0.26905	*
				-37.00000	-2.00000	99.75000	1.0000	0.0	0.34230	*
				-36.00000	-2.00000	99.75000	2.0000	0.0	0.45332	*
				-35.00000	-2.00000	99.75000	3.0000	0.0	0.64012	*
				-34.00000	-2.00000	99.75000	4.0833	0.0	1.0185	*
				-33.00000	-2.00000	99.75000	5.4167	0.0	2.0617	*
				-32.00000	-2.00000	99.75000	6.7500	0.0	3.6773	*
				-31.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-2.00000	99.75000	Point lies	within an	excavation.	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Mat by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-8.00000	-2.00000	99.75000	0.0	0.0	-2.0856	*
				-7.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	-2.00000	99.75000	-5.5376	4.3071	0.59251	*
				-4.00000	-2.00000	99.75000	-5.6342	2.4247	0.32396	*
				-3.00000	-2.00000	99.75000	-5.3594	1.3224	0.027112	*
				-2.00000	-2.00000	99.75000	-4.8352	0.83500	-0.16169	*
				-1.00000	-2.00000	99.75000	-4.2243	0.56210	-0.22732	*
				0.00000	-2.00000	99.75000	-3.5735	0.38756	-0.22785	*
				1.00000	-2.00000	99.75000	-3.1648	0.29023	0.0	
				2.00000	-2.00000	99.75000	-2.8093	0.22355	0.0	
				3.00000	-2.00000	99.75000	-2.4477	0.17228	0.0	
				4.00000	-2.00000	99.75000	-2.0819	0.13155	0.0	
				5.00000	-2.00000	99.75000	-1.7132	0.098323	0.0	
				-40.00000	-1.00000	99.75000	0.0	0.0	0.17904	*
				-39.00000	-1.00000	99.75000	0.0	0.0	0.21587	*
				-38.00000	-1.00000	99.75000	0.0	0.0	0.26338	*
				-37.00000	-1.00000	99.75000	1.0000	0.0	0.32608	*
				-36.00000	-1.00000	99.75000	2.0000	0.0	0.41117	*
				-35.00000	-1.00000	99.75000	3.0000	0.0	0.52976	*
				-34.00000	-1.00000	99.75000	4.0833	0.0	0.70472	*
				-33.00000	-1.00000	99.75000	5.4167	0.0	1.0464	*
				-32.00000	-1.00000	99.75000	6.7500	0.0	1.3488	*
				-31.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-21.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-20.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-19.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-18.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-17.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-16.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-15.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-14.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-13.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-12.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-11.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-1.00000	99.75000	0.0	0.0	-2.5790	*
				-7.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-5.00000	-1.00000	99.75000	-7.2220	0.38010	0.55436	*
				-4.00000	-1.00000	99.75000	-6.5156	0.34293	0.28601	*
				-3.00000	-1.00000	99.75000	-5.8092	0.30575	-0.0058971	*
				-2.00000	-1.00000	99.75000	-5.1028	0.26857	-0.19106	*
				-1.00000	-1.00000	99.75000	-4.3964	0.23139	-0.25305	*
				0.00000	-1.00000	99.75000	-3.6901	0.19421	-0.24684	*
				1.00000	-1.00000	99.75000	-3.2317	0.17009	0.0	
				2.00000	-1.00000	99.75000	-2.8578	0.15041	0.0	
				3.00000	-1.00000	99.75000	-2.4838	0.13073	0.0	
				4.00000	-1.00000	99.75000	-2.1098	0.11104	0.0	
				5.00000	-1.00000	99.75000	-1.7359	0.091362	0.0	
				-40.00000	0.00000	99.75000	0.0	0.0	0.17854	*
				-39.00000	0.00000	99.75000	0.0	0.0	0.21360	*
				-38.00000	0.00000	99.75000	0.0	0.0	0.25701	*
				-37.00000	0.00000	99.75000	1.0000	0.0	0.31024	*
				-36.00000	0.00000	99.75000	2.0000	0.0	0.37346	*
				-35.00000	0.00000	99.75000	3.0000	0.0	0.44151	*
				-34.00000	0.00000	99.75000	4.0833	0.0	0.50446	*
				-33.00000	0.00000	99.75000	5.4167	0.0	0.64408	*
				-32.00000	0.00000	99.75000	6.7500	0.0	0.77657	*
				-31.00000	0.00000	99.75000	Point lies within an excavation.			*
				-30.00000	0.00000	99.75000	Point lies within an excavation.			*
				-29.00000	0.00000	99.75000	Point lies within an excavation.			*
				-28.00000	0.00000	99.75000	Point lies within an excavation.			*
				-27.00000	0.00000	99.75000	Point lies within an excavation.			*
				-26.00000	0.00000	99.75000	Point lies within an excavation.			*
				-25.00000	0.00000	99.75000	Point lies within an excavation.			*
				-24.00000	0.00000	99.75000	Point lies within an excavation.			*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Mat by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-23.00000	0.00000	99.75000	Point lies within an excavation.			*
				-22.00000	0.00000	99.75000	Point lies within an excavation.			*
				-21.00000	0.00000	99.75000	Point lies within an excavation.			*
				-20.00000	0.00000	99.75000	Point lies within an excavation.			*
				-19.00000	0.00000	99.75000	Point lies within an excavation.			*
				-18.00000	0.00000	99.75000	Point lies within an excavation.			*
				-17.00000	0.00000	99.75000	Point lies within an excavation.			*
				-16.00000	0.00000	99.75000	Point lies within an excavation.			*
				-15.00000	0.00000	99.75000	Point lies within an excavation.			*
				-14.00000	0.00000	99.75000	Point lies within an excavation.			*
				-13.00000	0.00000	99.75000	Point lies within an excavation.			*
				-12.00000	0.00000	99.75000	Point lies within an excavation.			*
				-11.00000	0.00000	99.75000	Point lies within an excavation.			*
				-10.00000	0.00000	99.75000	Point lies within an excavation.			*
				-9.00000	0.00000	99.75000	Point lies within an excavation.			*
				-8.00000	0.00000	99.75000	0.0	0.0	-2.9082	*
				-7.00000	0.00000	99.75000	Point lies within an excavation.			*
				-6.00000	0.00000	99.75000	Point lies within an excavation.			*
				-5.00000	0.00000	99.75000	-7.2591	0.38206	0.42254	*
				-4.00000	0.00000	99.75000	-6.5528	0.34488	0.22115	*
				-3.00000	0.00000	99.75000	-5.8464	0.30770	-0.042996	*
				-2.00000	0.00000	99.75000	-5.1400	0.27053	-0.21712	*
				-1.00000	0.00000	99.75000	-4.4336	0.23335	-0.27405	*
				0.00000	0.00000	99.75000	-3.7272	0.19617	-0.26227	*
				1.00000	0.00000	99.75000	-3.2514	0.17113	0.0	*
				2.00000	0.00000	99.75000	-2.8774	0.15144	0.0	*
				3.00000	0.00000	99.75000	-2.5035	0.13176	0.0	*
				4.00000	0.00000	99.75000	-2.1295	0.11208	0.0	*
				5.00000	0.00000	99.75000	-1.7556	0.092398	0.0	*
				-40.00000	1.00000	99.75000	0.0	0.0	0.17783	*
				-39.00000	1.00000	99.75000	0.0	0.0	0.21205	*
				-38.00000	1.00000	99.75000	0.0	0.0	0.25360	*
				-37.00000	1.00000	99.75000	1.0000	0.0	0.30278	*
				-36.00000	1.00000	99.75000	2.0000	0.0	0.35712	*
				-35.00000	1.00000	99.75000	3.0000	0.0	0.40650	*
				-34.00000	1.00000	99.75000	4.0833	0.0	0.43464	*
				-33.00000	1.00000	99.75000	5.4167	0.0	0.52544	*
				-32.00000	1.00000	99.75000	6.7500	0.0	0.62168	*
				-31.00000	1.00000	99.75000	Point lies within an excavation.			*
				-30.00000	1.00000	99.75000	Point lies within an excavation.			*
				-29.00000	1.00000	99.75000	Point lies within an excavation.			*
				-28.00000	1.00000	99.75000	Point lies within an excavation.			*
				-27.00000	1.00000	99.75000	Point lies within an excavation.			*
				-26.00000	1.00000	99.75000	Point lies within an excavation.			*
				-25.00000	1.00000	99.75000	Point lies within an excavation.			*
				-24.00000	1.00000	99.75000	Point lies within an excavation.			*
				-23.00000	1.00000	99.75000	Point lies within an excavation.			*
				-22.00000	1.00000	99.75000	Point lies within an excavation.			*
				-21.00000	1.00000	99.75000	Point lies within an excavation.			*
				-20.00000	1.00000	99.75000	Point lies within an excavation.			*
				-19.00000	1.00000	99.75000	Point lies within an excavation.			*
				-18.00000	1.00000	99.75000	Point lies within an excavation.			*
				-17.00000	1.00000	99.75000	Point lies within an excavation.			*
				-16.00000	1.00000	99.75000	Point lies within an excavation.			*
				-15.00000	1.00000	99.75000	Point lies within an excavation.			*
				-14.00000	1.00000	99.75000	Point lies within an excavation.			*
				-13.00000	1.00000	99.75000	Point lies within an excavation.			*
				-12.00000	1.00000	99.75000	Point lies within an excavation.			*
				-11.00000	1.00000	99.75000	Point lies within an excavation.			*
				-10.00000	1.00000	99.75000	Point lies within an excavation.			*
				-9.00000	1.00000	99.75000	Point lies within an excavation.			*
				-8.00000	1.00000	99.75000	0.0	0.0	-3.1241	*
				-7.00000	1.00000	99.75000	Point lies within an excavation.			*
				-6.00000	1.00000	99.75000	Point lies within an excavation.			*
				-5.00000	1.00000	99.75000	-7.2963	0.38402	0.36716	*
				-4.00000	1.00000	99.75000	-6.5899	0.34684	0.19274	*
				-3.00000	1.00000	99.75000	-5.8836	0.30966	-0.059974	*
				-2.00000	1.00000	99.75000	-5.1772	0.27248	-0.23063	*
				-1.00000	1.00000	99.75000	-4.4708	0.23531	-0.28678	*
				0.00000	1.00000	99.75000	-3.7644	0.19813	-0.27224	*
				1.00000	1.00000	99.75000	-3.2711	0.17216	0.0	*
				2.00000	1.00000	99.75000	-2.8971	0.15248	0.0	*
				3.00000	1.00000	99.75000	-2.5232	0.13280	0.0	*
				4.00000	1.00000	99.75000	-2.1492	0.11312	0.0	*
				5.00000	1.00000	99.75000	-1.7752	0.093433	0.0	*
				-40.00000	2.00000	99.75000	0.0	0.0	0.17728	*
				-39.00000	2.00000	99.75000	0.0	0.0	0.21194	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-38.00000	2.00000	99.75000	0.0	0.0	0.25470	*
				-37.00000	2.00000	99.75000	1.0000	0.0	0.30681	*
				-36.00000	2.00000	99.75000	2.0000	0.0	0.36791	*
				-35.00000	2.00000	99.75000	3.0000	0.0	0.43185	*
				-34.00000	2.00000	99.75000	4.0833	0.0	0.48728	*
				-33.00000	2.00000	99.75000	5.4167	0.0	0.61596	*
				-32.00000	2.00000	99.75000	6.7500	0.0	0.73933	*
				-31.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	2.00000	99.75000	0.0	0.0	-3.2602	*
				-7.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	2.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	2.00000	99.75000	-7.3335	0.38597	0.41599	*
				-4.00000	2.00000	99.75000	-6.6271	0.34880	0.20296	*
				-3.00000	2.00000	99.75000	-5.9207	0.31162	-0.054281	*
				-2.00000	2.00000	99.75000	-5.2144	0.27444	-0.22941	*
				-1.00000	2.00000	99.75000	-4.5080	0.23726	-0.28969	*
				0.00000	2.00000	99.75000	-3.8016	0.20008	-0.27573	*
				1.00000	2.00000	99.75000	-3.2908	0.17320	0.0	*
				2.00000	2.00000	99.75000	-2.9168	0.15352	0.0	*
				3.00000	2.00000	99.75000	-2.5428	0.13383	0.0	*
				4.00000	2.00000	99.75000	-2.1689	0.11415	0.0	*
				5.00000	2.00000	99.75000	-1.7949	0.094469	0.0	*
				-40.00000	3.00000	99.75000	0.0	0.0	0.17661	*
				-39.00000	3.00000	99.75000	0.0	0.0	0.21272	*
				-38.00000	3.00000	99.75000	0.0	0.0	0.25910	*
				-37.00000	3.00000	99.75000	1.0000	0.0	0.31986	*
				-36.00000	3.00000	99.75000	2.0000	0.0	0.40125	*
				-35.00000	3.00000	99.75000	3.0000	0.0	0.51207	*
				-34.00000	3.00000	99.75000	4.0833	0.0	0.66952	*
				-33.00000	3.00000	99.75000	5.4167	0.0	0.97549	*
				-32.00000	3.00000	99.75000	6.7500	0.0	1.2433	*
				-31.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	3.00000	99.75000	0.0	0.0	-3.3563	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Mat by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-7.00000	3.00000	99.75000	Point lies within an excavation.			*
				-6.00000	3.00000	99.75000	Point lies within an excavation.			*
				-5.00000	3.00000	99.75000	-7.3707	0.38793	0.46740	*
				-4.00000	3.00000	99.75000	-6.6643	0.35075	0.24097	*
				-3.00000	3.00000	99.75000	-5.9579	0.31357	-0.026228	*
				-2.00000	3.00000	99.75000	-5.2515	0.27640	-0.21269	*
				-1.00000	3.00000	99.75000	-4.5452	0.23922	-0.28216	*
				0.00000	3.00000	99.75000	-3.8388	0.20204	-0.27228	*
				1.00000	3.00000	99.75000	-3.3105	0.17423	0.0	
				2.00000	3.00000	99.75000	-2.9365	0.15455	0.0	
				3.00000	3.00000	99.75000	-2.5625	0.13487	0.0	
				4.00000	3.00000	99.75000	-2.1886	0.11519	0.0	
				5.00000	3.00000	99.75000	-1.8146	0.095505	0.0	
				-40.00000	4.00000	99.75000	0.0	0.0	0.17509	*
				-39.00000	4.00000	99.75000	0.0	0.0	0.21279	*
				-38.00000	4.00000	99.75000	0.0	0.0	0.26334	*
				-37.00000	4.00000	99.75000	1.0000	0.0	0.33440	*
				-36.00000	4.00000	99.75000	2.0000	0.0	0.44142	*
				-35.00000	4.00000	99.75000	3.0000	0.0	0.61949	*
				-34.00000	4.00000	99.75000	4.0833	0.0	0.97227	*
				-33.00000	4.00000	99.75000	5.4167	0.0	1.8983	*
				-32.00000	4.00000	99.75000	6.7500	0.0	3.0332	*
				-31.00000	4.00000	99.75000	Point lies within an excavation.			*
				-30.00000	4.00000	99.75000	Point lies within an excavation.			*
				-29.00000	4.00000	99.75000	Point lies within an excavation.			*
				-28.00000	4.00000	99.75000	Point lies within an excavation.			*
				-27.00000	4.00000	99.75000	Point lies within an excavation.			*
				-26.00000	4.00000	99.75000	Point lies within an excavation.			*
				-25.00000	4.00000	99.75000	Point lies within an excavation.			*
				-24.00000	4.00000	99.75000	Point lies within an excavation.			*
				-23.00000	4.00000	99.75000	Point lies within an excavation.			*
				-22.00000	4.00000	99.75000	Point lies within an excavation.			*
				-21.00000	4.00000	99.75000	Point lies within an excavation.			*
				-20.00000	4.00000	99.75000	Point lies within an excavation.			*
				-19.00000	4.00000	99.75000	Point lies within an excavation.			*
				-18.00000	4.00000	99.75000	Point lies within an excavation.			*
				-17.00000	4.00000	99.75000	Point lies within an excavation.			*
				-16.00000	4.00000	99.75000	Point lies within an excavation.			*
				-15.00000	4.00000	99.75000	Point lies within an excavation.			*
				-14.00000	4.00000	99.75000	Point lies within an excavation.			*
				-13.00000	4.00000	99.75000	Point lies within an excavation.			*
				-12.00000	4.00000	99.75000	Point lies within an excavation.			*
				-11.00000	4.00000	99.75000	Point lies within an excavation.			*
				-10.00000	4.00000	99.75000	Point lies within an excavation.			*
				-9.00000	4.00000	99.75000	Point lies within an excavation.			*
				-8.00000	4.00000	99.75000	Point lies within an excavation.			*
				-7.00000	4.00000	99.75000	Point lies within an excavation.			*
				-6.00000	4.00000	99.75000	Point lies within an excavation.			*
				-5.00000	4.00000	99.75000	-7.4078	0.38989	0.43263	*
				-4.00000	4.00000	99.75000	-6.7015	0.35271	0.30832	*
				-3.00000	4.00000	99.75000	-5.9951	0.31553	0.024971	*
				-2.00000	4.00000	99.75000	-5.2887	0.27835	-0.18055	*
				-1.00000	4.00000	99.75000	-4.5823	0.24118	-0.26438	*
				0.00000	4.00000	99.75000	-3.8760	0.20400	-0.26207	*
				1.00000	4.00000	99.75000	-3.3301	0.17527	0.0	
				2.00000	4.00000	99.75000	-2.9562	0.15559	0.0	
				3.00000	4.00000	99.75000	-2.5822	0.13591	0.0	
				4.00000	4.00000	99.75000	-2.2082	0.11622	0.0	
				5.00000	4.00000	99.75000	-1.8343	0.096541	0.0	
				-40.00000	5.00000	99.75000	0.0	0.0	0.17183	*
				-39.00000	5.00000	99.75000	0.0	0.0	0.21021	*
				-38.00000	5.00000	99.75000	0.0	0.0	0.26313	*
				-37.00000	5.00000	99.75000	1.0000	0.0	0.34063	*
				-36.00000	5.00000	99.75000	2.0000	0.0	0.46442	*
				-35.00000	5.00000	99.75000	3.0000	0.0	0.69002	*
				-34.00000	5.00000	99.75000	4.0833	0.0	1.2170	*
				-33.00000	5.00000	99.75000	5.4167	0.0	3.5235	*
				-32.00000	5.00000	99.75000	6.7500	0.0	6.9738	*
				-31.00000	5.00000	99.75000	Point lies within an excavation.			*
				-30.00000	5.00000	99.75000	Point lies within an excavation.			*
				-29.00000	5.00000	99.75000	Point lies within an excavation.			*
				-28.00000	5.00000	99.75000	Point lies within an excavation.			*
				-27.00000	5.00000	99.75000	Point lies within an excavation.			*
				-26.00000	5.00000	99.75000	Point lies within an excavation.			*
				-25.00000	5.00000	99.75000	Point lies within an excavation.			*
				-24.00000	5.00000	99.75000	Point lies within an excavation.			*
				-23.00000	5.00000	99.75000	Point lies within an excavation.			*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Mat by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-22.00000	5.00000	99.75000	Point lies within an excavation.			*
				-21.00000	5.00000	99.75000	Point lies within an excavation.			*
				-20.00000	5.00000	99.75000	Point lies within an excavation.			*
				-19.00000	5.00000	99.75000	Point lies within an excavation.			*
				-18.00000	5.00000	99.75000	Point lies within an excavation.			*
				-17.00000	5.00000	99.75000	Point lies within an excavation.			*
				-16.00000	5.00000	99.75000	Point lies within an excavation.			*
				-15.00000	5.00000	99.75000	Point lies within an excavation.			*
				-14.00000	5.00000	99.75000	Point lies within an excavation.			*
				-13.00000	5.00000	99.75000	Point lies within an excavation.			*
				-12.00000	5.00000	99.75000	Point lies within an excavation.			*
				-11.00000	5.00000	99.75000	Point lies within an excavation.			*
				-10.00000	5.00000	99.75000	Point lies within an excavation.			*
				-9.00000	5.00000	99.75000	Point lies within an excavation.			*
				-8.00000	5.00000	99.75000	Point lies within an excavation.			*
				-7.00000	5.00000	99.75000	Point lies within an excavation.			*
				-6.00000	5.00000	99.75000	Point lies within an excavation.			*
				-5.00000	5.00000	99.75000	-7.4450	0.39184	0.64886	*
				-4.00000	5.00000	99.75000	-6.7386	0.35467	0.42786	*
				-3.00000	5.00000	99.75000	-6.0323	0.31749	0.099881	*
				-2.00000	5.00000	99.75000	-5.3259	0.28031	-0.13441	*
				-1.00000	5.00000	99.75000	-4.6195	0.24313	-0.23753	*
				0.00000	5.00000	99.75000	-3.9131	0.20595	-0.24586	*
				1.00000	5.00000	99.75000	-3.3498	0.17631	0.0	*
				2.00000	5.00000	99.75000	-2.9759	0.15662	0.0	*
				3.00000	5.00000	99.75000	-2.6019	0.13694	0.0	*
				4.00000	5.00000	99.75000	-2.2279	0.11726	0.0	*
				5.00000	5.00000	99.75000	-1.8540	0.097577	0.0	*
				-40.00000	6.00000	99.75000	0.0	0.0	0.16615	*
				-39.00000	6.00000	99.75000	0.0	0.0	0.20359	*
				-38.00000	6.00000	99.75000	0.0	0.0	0.25550	*
				-37.00000	6.00000	99.75000	1.0000	0.0	0.33173	*
				-36.00000	6.00000	99.75000	2.0000	0.0	0.45274	*
				-35.00000	6.00000	99.75000	3.0000	0.0	0.66672	*
				-34.00000	6.00000	99.75000	4.0833	0.0	1.1225	*
				-33.00000	6.00000	99.75000	5.4167	0.0	2.4624	*
				-32.00000	6.00000	99.75000	6.7500	0.0	6.3808	*
				-31.00000	6.00000	99.75000	Point lies within an excavation.			*
				-30.00000	6.00000	99.75000	Point lies within an excavation.			*
				-29.00000	6.00000	99.75000	Point lies within an excavation.			*
				-28.00000	6.00000	99.75000	Point lies within an excavation.			*
				-27.00000	6.00000	99.75000	Point lies within an excavation.			*
				-26.00000	6.00000	99.75000	Point lies within an excavation.			*
				-25.00000	6.00000	99.75000	Point lies within an excavation.			*
				-24.00000	6.00000	99.75000	Point lies within an excavation.			*
				-23.00000	6.00000	99.75000	Point lies within an excavation.			*
				-22.00000	6.00000	99.75000	Point lies within an excavation.			*
				-21.00000	6.00000	99.75000	Point lies within an excavation.			*
				-20.00000	6.00000	99.75000	Point lies within an excavation.			*
				-19.00000	6.00000	99.75000	Point lies within an excavation.			*
				-18.00000	6.00000	99.75000	Point lies within an excavation.			*
				-17.00000	6.00000	99.75000	Point lies within an excavation.			*
				-16.00000	6.00000	99.75000	Point lies within an excavation.			*
				-15.00000	6.00000	99.75000	Point lies within an excavation.			*
				-14.00000	6.00000	99.75000	Point lies within an excavation.			*
				-13.00000	6.00000	99.75000	Point lies within an excavation.			*
				-12.00000	6.00000	99.75000	Point lies within an excavation.			*
				-11.00000	6.00000	99.75000	Point lies within an excavation.			*
				-10.00000	6.00000	99.75000	Point lies within an excavation.			*
				-9.00000	6.00000	99.75000	Point lies within an excavation.			*
				-8.00000	6.00000	99.75000	Point lies within an excavation.			*
				-7.00000	6.00000	99.75000	Point lies within an excavation.			*
				-6.00000	6.00000	99.75000	Point lies within an excavation.			*
				-5.00000	6.00000	99.75000	-7.4822	0.39380	1.0572	*
				-4.00000	6.00000	99.75000	-6.7758	0.35662	0.58060	*
				-3.00000	6.00000	99.75000	-6.0694	0.31944	0.19118	*
				-2.00000	6.00000	99.75000	-5.3631	0.28227	-0.078175	*
				-1.00000	6.00000	99.75000	-4.6492	0.23715	-0.20386	*
				0.00000	6.00000	99.75000	-3.9194	0.17557	-0.22502	*
				1.00000	6.00000	99.75000	-3.3291	0.13519	0.0	*
				2.00000	6.00000	99.75000	-2.9505	0.11092	0.0	*
				3.00000	6.00000	99.75000	-2.5759	0.090980	0.0	*
				4.00000	6.00000	99.75000	-2.2040	0.073933	0.0	*
				5.00000	6.00000	99.75000	-1.8341	0.058910	0.0	*
				-40.00000	7.00000	99.75000	0.0	0.0	0.15791	*
				-39.00000	7.00000	99.75000	0.0	0.0	0.19267	*
				-38.00000	7.00000	99.75000	0.0	0.0	0.24013	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-37.00000	7.00000	99.75000	0.84182	-0.094580	0.30787	*
				-36.00000	7.00000	99.75000	1.6794	-0.24138	0.40965	*
				-35.00000	7.00000	99.75000	2.4148	-0.48032	0.57122	*
				-34.00000	7.00000	99.75000	2.9385	-0.93938	0.84288	*
				-33.00000	7.00000	99.75000	2.8765	-2.1669	1.3529	*
				-32.00000	7.00000	99.75000	0.0	-5.6989	1.9241	*
				-31.00000	7.00000	99.75000	0.0	-5.7194	1.9404	*
				-30.00000	7.00000	99.75000	0.0	-5.7471	1.7355	*
				-29.00000	7.00000	99.75000	0.0	-5.7840	1.5545	*
				-28.00000	7.00000	99.75000	0.0	-5.8330	1.4220	*
				-27.00000	7.00000	99.75000	0.0	-5.8980	1.3216	*
				-26.00000	7.00000	99.75000	0.0	-5.9851	1.2412	*
				-25.00000	7.00000	99.75000	0.0	-6.1035	1.1818	*
				-24.00000	7.00000	99.75000	0.0	-6.2692	1.1599	*
				-23.00000	7.00000	99.75000	0.0	-6.5279	1.1839	*
				-22.00000	7.00000	99.75000	0.0	-6.9404	1.2643	*
				-21.00000	7.00000	99.75000	0.0	-7.6403	1.4164	*
				-20.00000	7.00000	99.75000	0.0	-9.0194	1.6207	*
				-19.00000	7.00000	99.75000	0.0	-12.541	1.9047	*
				-18.00000	7.00000	99.75000	0.0	-20.578	2.5162	*
				-17.00000	7.00000	99.75000	0.0	-17.615	2.0234	*
				-16.00000	7.00000	99.75000	0.0	-16.621	1.6567	*
				-15.00000	7.00000	99.75000	0.0	-16.230	1.3711	*
				-14.00000	7.00000	99.75000	0.0	-16.015	1.1525	*
				-13.00000	7.00000	99.75000	0.0	-15.880	0.97301	*
				-12.00000	7.00000	99.75000	0.0	-15.808	0.79233	*
				-11.00000	7.00000	99.75000	0.0	-11.371	0.57276	*
				-10.00000	7.00000	99.75000	0.0	-6.9333	0.40022	*
				-9.00000	7.00000	99.75000	0.0	-6.9333	0.33716	*
				-8.00000	7.00000	99.75000	0.0	-6.9333	0.35272	*
				-7.00000	7.00000	99.75000	0.0	-6.9333	0.42804	*
				-6.00000	7.00000	99.75000	0.0	-6.9333	0.55015	*
				-5.00000	7.00000	99.75000	0.0	-6.9333	0.69555	*
				-4.00000	7.00000	99.75000	-3.6340	-2.7626	0.53756	*
				-3.00000	7.00000	99.75000	-4.3743	-1.3636	0.19614	*
				-2.00000	7.00000	99.75000	-4.2722	-0.79778	-0.059825	*
				-1.00000	7.00000	99.75000	-3.8952	-0.50495	-0.18238	*
				0.00000	7.00000	99.75000	-3.3994	-0.33029	-0.20652	*
				1.00000	7.00000	99.75000	-2.9684	-0.22639	0.0	*
				2.00000	7.00000	99.75000	-2.6735	-0.16500	0.0	*
				3.00000	7.00000	99.75000	-2.3620	-0.12047	0.0	*
				4.00000	7.00000	99.75000	-2.0393	-0.087269	0.0	*
				5.00000	7.00000	99.75000	-1.7087	-0.062028	0.0	*
				-40.00000	8.00000	99.75000	0.0	0.0	0.14748	*
				-39.00000	8.00000	99.75000	0.0	0.0	0.17827	*
				-38.00000	8.00000	99.75000	0.0	0.0	0.21909	*
				-37.00000	8.00000	99.75000	0.53499	-0.15088	0.27465	*
				-36.00000	8.00000	99.75000	1.1793	-0.43439	0.35200	*
				-35.00000	8.00000	99.75000	1.6408	-0.86060	0.46042	*
				-34.00000	8.00000	99.75000	1.7654	-1.5439	0.60679	*
				-33.00000	8.00000	99.75000	1.2928	-2.7117	0.78698	*
				-32.00000	8.00000	99.75000	0.0	-4.4097	0.93540	*
				-31.00000	8.00000	99.75000	0.0	-4.4828	0.96533	*
				-30.00000	8.00000	99.75000	0.0	-4.5715	0.90918	*
				-29.00000	8.00000	99.75000	0.0	-4.6802	0.82631	*
				-28.00000	8.00000	99.75000	0.0	-4.8146	0.74730	*
				-27.00000	8.00000	99.75000	0.0	-4.9829	0.67960	*
				-26.00000	8.00000	99.75000	0.0	-5.1973	0.62473	*
				-25.00000	8.00000	99.75000	0.0	-5.4762	0.58524	*
				-24.00000	8.00000	99.75000	0.0	-5.8491	0.56501	*
				-23.00000	8.00000	99.75000	0.0	-6.3936	0.57079	*
				-22.00000	8.00000	99.75000	0.0	-7.2304	0.60761	*
				-21.00000	8.00000	99.75000	0.0	-8.5206	0.68688	*
				-20.00000	8.00000	99.75000	0.0	-10.645	0.82676	*
				-19.00000	8.00000	99.75000	0.0	-14.243	1.0489	*
				-18.00000	8.00000	99.75000	0.0	-18.505	1.2446	*
				-17.00000	8.00000	99.75000	0.0	-16.894	1.0651	*
				-16.00000	8.00000	99.75000	0.0	-15.853	0.87980	*
				-15.00000	8.00000	99.75000	0.0	-15.235	0.70667	*
				-14.00000	8.00000	99.75000	0.0	-14.844	0.55662	*
				-13.00000	8.00000	99.75000	0.0	-14.580	0.42701	*
				-12.00000	8.00000	99.75000	0.0	-14.475	0.30897	*
				-11.00000	8.00000	99.75000	0.0	-10.350	0.20086	*
				-10.00000	8.00000	99.75000	0.0	-6.2250	0.12028	*
				-9.00000	8.00000	99.75000	0.0	-6.2250	0.083593	*
				-8.00000	8.00000	99.75000	0.0	-6.2250	0.089618	*
				-7.00000	8.00000	99.75000	0.0	-6.2250	0.13087	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-6.00000	8.00000	99.75000	0.0	-6.2250	0.19795	*
				-5.00000	8.00000	99.75000	0.0	-6.2250	0.27816	*
				-4.00000	8.00000	99.75000	-1.8846	-4.0551	0.23419	*
				-3.00000	8.00000	99.75000	-2.8836	-2.5547	0.052513	*
				-2.00000	8.00000	99.75000	-3.1830	-1.6669	-0.10724	*
				-1.00000	8.00000	99.75000	-3.1021	-1.1233	-0.18208	*
				0.00000	8.00000	99.75000	-2.8157	-0.76803	-0.19549	*
				1.00000	8.00000	99.75000	-2.5781	-0.55857	0.0	
				2.00000	8.00000	99.75000	-2.3650	-0.42181	0.0	
				3.00000	8.00000	99.75000	-2.1168	-0.31883	0.0	
				4.00000	8.00000	99.75000	-1.8444	-0.23910	0.0	
				5.00000	8.00000	99.75000	-1.5547	-0.17604	0.0	
				-40.00000	9.00000	99.75000	0.0	0.0	0.13557	*
				-39.00000	9.00000	99.75000	0.0	0.0	0.16181	*
				-38.00000	9.00000	99.75000	0.0	0.0	0.19532	*
				-37.00000	9.00000	99.75000	0.18184	-0.087545	0.23855	*
				-36.00000	9.00000	99.75000	0.68294	-0.43444	0.29426	*
				-35.00000	9.00000	99.75000	0.98978	-0.90656	0.36438	*
				-34.00000	9.00000	99.75000	1.0105	-1.5486	0.44669	*
				-33.00000	9.00000	99.75000	0.66098	-2.3658	0.52942	*
				-32.00000	9.00000	99.75000	0.0	-3.2871	0.59021	*
				-31.00000	9.00000	99.75000	0.0	-3.4088	0.61033	*
				-30.00000	9.00000	99.75000	0.0	-3.5535	0.59204	*
				-29.00000	9.00000	99.75000	0.0	-3.7269	0.55237	*
				-28.00000	9.00000	99.75000	0.0	-3.9369	0.50634	*
				-27.00000	9.00000	99.75000	0.0	-4.1945	0.46211	*
				-26.00000	9.00000	99.75000	0.0	-4.5152	0.42371	*
				-25.00000	9.00000	99.75000	0.0	-4.9216	0.39377	*
				-24.00000	9.00000	99.75000	0.0	-5.4478	0.37407	*
				-23.00000	9.00000	99.75000	0.0	-6.1462	0.36461	*
				-22.00000	9.00000	99.75000	0.0	-7.2030	0.37786	*
				-21.00000	9.00000	99.75000	0.0	-8.6815	0.40905	*
				-20.00000	9.00000	99.75000	0.0	-10.756	0.47272	*
				-19.00000	9.00000	99.75000	0.0	-13.521	0.55978	*
				-18.00000	9.00000	99.75000	0.0	-16.190	0.59645	*
				-17.00000	9.00000	99.75000	0.0	-15.334	0.49693	*
				-16.00000	9.00000	99.75000	0.0	-14.547	0.38462	*
				-15.00000	9.00000	99.75000	0.0	-13.942	0.27263	*
				-14.00000	9.00000	99.75000	0.0	-13.498	0.16951	*
				-13.00000	9.00000	99.75000	0.0	-13.171	0.078043	*
				-12.00000	9.00000	99.75000	0.0	-13.142	-0.0016701	*
				-11.00000	9.00000	99.75000	0.0	-9.3292	-0.067757	*
				-10.00000	9.00000	99.75000	0.0	-5.5167	-0.11477	*
				-9.00000	9.00000	99.75000	0.0	-5.5167	-0.13774	*
				-8.00000	9.00000	99.75000	0.0	-5.5167	-0.13614	*
				-7.00000	9.00000	99.75000	0.0	-5.5167	-0.11310	*
				-6.00000	9.00000	99.75000	0.0	-5.5167	-0.073966	*
				-5.00000	9.00000	99.75000	0.0	-5.5167	-0.025536	*
				-4.00000	9.00000	99.75000	-1.1382	-4.1943	-0.027854	*
				-3.00000	9.00000	99.75000	-1.9316	-3.0267	-0.096949	*
				-2.00000	9.00000	99.75000	-2.3166	-2.1516	-0.16079	*
				-1.00000	9.00000	99.75000	-2.3868	-1.5257	-0.18460	*
				0.00000	9.00000	99.75000	-2.2672	-1.0863	-0.18977	*
				1.00000	9.00000	99.75000	-2.1922	-0.83149	0.0	
				2.00000	9.00000	99.75000	-2.0486	-0.63858	0.0	
				3.00000	9.00000	99.75000	-1.8573	-0.48889	0.0	
				4.00000	9.00000	99.75000	-1.6321	-0.37021	0.0	
				5.00000	9.00000	99.75000	-1.3817	-0.27441	0.0	
				-40.00000	10.00000	99.75000	0.0	0.0	0.12298	*
				-39.00000	10.00000	99.75000	0.0	0.0	0.14470	*
				-38.00000	10.00000	99.75000	0.0	0.0	0.17138	*
				-37.00000	10.00000	99.75000	0.0	0.0	0.20403	*
				-36.00000	10.00000	99.75000	0.24926	-0.23350	0.24334	*
				-35.00000	10.00000	99.75000	0.49288	-0.66563	0.28884	*
				-34.00000	10.00000	99.75000	0.52612	-1.1797	0.33745	*
				-33.00000	10.00000	99.75000	0.33920	-1.7314	0.38246	*
				-32.00000	10.00000	99.75000	0.0	-2.2885	0.41468	*
				-31.00000	10.00000	99.75000	0.0	-2.4534	0.42734	*
				-30.00000	10.00000	99.75000	0.0	-2.6467	0.42048	*
				-29.00000	10.00000	99.75000	0.0	-2.8751	0.39983	*
				-28.00000	10.00000	99.75000	0.0	-3.1474	0.37233	*
				-27.00000	10.00000	99.75000	0.0	-3.4756	0.34324	*
				-26.00000	10.00000	99.75000	0.0	-3.8757	0.31598	*
				-25.00000	10.00000	99.75000	0.0	-4.3700	0.29261	*
				-24.00000	10.00000	99.75000	0.0	-4.9892	0.27410	*
				-23.00000	10.00000	99.75000	0.0	-5.7753	0.25990	*
				-22.00000	10.00000	99.75000	0.0	-6.8120	0.25244	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-21.00000	10.00000	99.75000	0.0	-8.2386	0.25670	*
				-20.00000	10.00000	99.75000	0.0	-10.020	0.26567	*
				-19.00000	10.00000	99.75000	0.0	-12.095	0.27480	*
				-18.00000	10.00000	99.75000	0.0	-13.930	0.25538	*
				-17.00000	10.00000	99.75000	0.0	-13.431	0.18812	*
				-16.00000	10.00000	99.75000	0.0	-12.880	0.11320	*
				-15.00000	10.00000	99.75000	0.0	-12.381	0.037093	*
				-14.00000	10.00000	99.75000	0.0	-11.966	-0.034994	*
				-13.00000	10.00000	99.75000	0.0	-11.808	-0.099897	*
				-12.00000	10.00000	99.75000	0.0	-11.808	-0.15571	*
				-11.00000	10.00000	99.75000	0.0	-8.3083	-0.20051	*
				-10.00000	10.00000	99.75000	0.0	-4.8083	-0.23191	*
				-9.00000	10.00000	99.75000	0.0	-4.8083	-0.24809	*
				-8.00000	10.00000	99.75000	0.0	-4.8083	-0.24889	*
				-7.00000	10.00000	99.75000	0.0	-4.8083	-0.23594	*
				-6.00000	10.00000	99.75000	0.0	-4.8083	-0.21226	*
				-5.00000	10.00000	99.75000	0.0	-4.8083	-0.18165	*
				-4.00000	10.00000	99.75000	-0.74661	-3.9297	-0.16702	*
				-3.00000	10.00000	99.75000	-1.3287	-3.0578	-0.17557	*
				-2.00000	10.00000	99.75000	-1.6734	-2.3068	-0.18300	*
				-1.00000	10.00000	99.75000	-1.7920	-1.7031	-0.18706	*
				0.00000	10.00000	99.75000	-1.8524	-1.3174	-0.16831	*
				1.00000	10.00000	99.75000	-1.8332	-1.0295	0.0	
				2.00000	10.00000	99.75000	-1.7421	-0.80200	0.0	
				3.00000	10.00000	99.75000	-1.5976	-0.61984	0.0	
				4.00000	10.00000	99.75000	-1.4133	-0.47188	0.0	
				5.00000	10.00000	99.75000	-1.1985	-0.35009	0.0	
				-40.00000	11.00000	99.75000	0.0	0.0	0.11041	*
				-39.00000	11.00000	99.75000	0.0	0.0	0.12804	*
				-38.00000	11.00000	99.75000	0.0	0.0	0.14888	*
				-37.00000	11.00000	99.75000	0.0	0.0	0.17322	*
				-36.00000	11.00000	99.75000	0.0	0.0	0.20092	*
				-35.00000	11.00000	99.75000	0.12077	-0.21884	0.23099	*
				-34.00000	11.00000	99.75000	0.20107	-0.59893	0.26112	*
				-33.00000	11.00000	99.75000	0.14343	-0.95351	0.28763	*
				-32.00000	11.00000	99.75000	0.0	-1.2565	0.30633	*
				-31.00000	11.00000	99.75000	0.0	-1.4577	0.31428	*
				-30.00000	11.00000	99.75000	0.0	-1.6909	0.31125	*
				-29.00000	11.00000	99.75000	0.0	-1.9629	0.29945	*
				-28.00000	11.00000	99.75000	0.0	-2.2826	0.28216	*
				-27.00000	11.00000	99.75000	0.0	-2.6611	0.26241	*
				-26.00000	11.00000	99.75000	0.0	-3.1131	0.24251	*
				-25.00000	11.00000	99.75000	0.0	-3.6572	0.22387	*
				-24.00000	11.00000	99.75000	0.0	-4.3168	0.20706	*
				-23.00000	11.00000	99.75000	0.0	-5.1197	0.19163	*
				-22.00000	11.00000	99.75000	0.0	-6.0951	0.17600	*
				-21.00000	11.00000	99.75000	0.0	-7.2674	0.15848	*
				-20.00000	11.00000	99.75000	0.0	-8.7347	0.15142	*
				-19.00000	11.00000	99.75000	0.0	-10.308	0.13401	*
				-18.00000	11.00000	99.75000	0.0	-11.639	0.10220	*
				-17.00000	11.00000	99.75000	0.0	-11.363	0.053992	*
				-16.00000	11.00000	99.75000	0.0	-10.998	0.0012572	*
				-15.00000	11.00000	99.75000	0.0	-10.620	-0.052491	*
				-14.00000	11.00000	99.75000	0.0	-10.475	-0.10402	*
				-13.00000	11.00000	99.75000	0.0	-10.475	-0.15082	*
				-12.00000	11.00000	99.75000	0.0	-10.475	-0.19104	*
				-11.00000	11.00000	99.75000	0.0	-7.2875	-0.22313	*
				-10.00000	11.00000	99.75000	0.0	-4.1000	-0.24577	*
				-9.00000	11.00000	99.75000	0.0	-4.1000	-0.25814	*
				-8.00000	11.00000	99.75000	0.0	-4.1000	-0.26026	*
				-7.00000	11.00000	99.75000	0.0	-4.1000	-0.25312	*
				-6.00000	11.00000	99.75000	0.0	-4.1000	-0.23849	*
				-5.00000	11.00000	99.75000	0.0	-4.1000	-0.21860	*
				-4.00000	11.00000	99.75000	-0.50881	-3.4907	-0.20122	*
				-3.00000	11.00000	99.75000	-0.92690	-2.8397	-0.19148	*
				-2.00000	11.00000	99.75000	-1.2035	-2.2339	-0.19024	*
				-1.00000	11.00000	99.75000	-1.4026	-1.8036	-0.16840	*
				0.00000	11.00000	99.75000	-1.4999	-1.4450	-0.14846	*
				1.00000	11.00000	99.75000	-1.5123	-1.1496	0.0	
				2.00000	11.00000	99.75000	-1.4568	-0.90666	0.0	
				3.00000	11.00000	99.75000	-1.3478	-0.70582	0.0	
				4.00000	11.00000	99.75000	-1.1968	-0.53858	0.0	
				5.00000	11.00000	99.75000	-1.0125	-0.39814	0.0	
				-40.00000	12.00000	99.75000	0.0	0.0	0.098376	*
				-39.00000	12.00000	99.75000	0.0	0.0	0.11250	*
				-38.00000	12.00000	99.75000	0.0	0.0	0.12863	*
				-37.00000	12.00000	99.75000	0.0	0.0	0.14671	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-36.00000	12.00000	99.75000	0.0	0.0	0.16637	*
				-35.00000	12.00000	99.75000	0.0	0.0	0.18670	*
				-34.00000	12.00000	99.75000	0.0	0.0	0.20615	*
				-33.00000	12.00000	99.75000	0.012437	-0.10199	0.22266	*
				-32.00000	12.00000	99.75000	0.0	-0.20000	0.23413	*
				-31.00000	12.00000	99.75000	0.0	-0.41519	0.23913	*
				-30.00000	12.00000	99.75000	0.0	-0.67906	0.23743	*
				-29.00000	12.00000	99.75000	0.0	-0.98299	0.23000	*
				-28.00000	12.00000	99.75000	0.0	-1.3349	0.21843	*
				-27.00000	12.00000	99.75000	0.0	-1.7445	0.20442	*
				-26.00000	12.00000	99.75000	0.0	-2.2235	0.18940	*
				-25.00000	12.00000	99.75000	0.0	-2.7858	0.17427	*
				-24.00000	12.00000	99.75000	0.0	-3.4465	0.15939	*
				-23.00000	12.00000	99.75000	0.0	-4.2209	0.14449	*
				-22.00000	12.00000	99.75000	0.0	-5.1197	0.12866	*
				-21.00000	12.00000	99.75000	0.0	-6.1410	0.11055	*
				-20.00000	12.00000	99.75000	0.0	-7.2591	0.088695	*
				-19.00000	12.00000	99.75000	0.0	-8.4118	0.062039	*
				-18.00000	12.00000	99.75000	0.0	-9.3922	0.030347	*
				-17.00000	12.00000	99.75000	0.0	-9.2671	-0.0056022	*
				-16.00000	12.00000	99.75000	0.0	-9.2000	-0.044188	*
				-15.00000	12.00000	99.75000	0.0	-9.2000	-0.083353	*
				-14.00000	12.00000	99.75000	0.0	-9.2000	-0.12104	*
				-13.00000	12.00000	99.75000	0.0	-9.2000	-0.15545	*
				-12.00000	12.00000	99.75000	0.0	-9.2000	-0.18513	*
				-11.00000	12.00000	99.75000	0.0	-6.3250	-0.20893	*
				-10.00000	12.00000	99.75000	0.0	-3.4500	-0.22601	*
				-9.00000	12.00000	99.75000	0.0	-3.4500	-0.23591	*
				-8.00000	12.00000	99.75000	0.0	-3.4500	-0.23869	*
				-7.00000	12.00000	99.75000	0.0	-3.4500	-0.23499	*
				-6.00000	12.00000	99.75000	0.0	-3.4500	-0.22588	*
				-5.00000	12.00000	99.75000	0.0	-3.4500	-0.21273	*
				-4.00000	12.00000	99.75000	-0.35897	-3.0395	-0.19699	*
				-3.00000	12.00000	99.75000	-0.67904	-2.6086	-0.17999	*
				-2.00000	12.00000	99.75000	-0.93267	-2.1932	-0.16278	*
				-1.00000	12.00000	99.75000	-1.1078	-1.8152	-0.14612	*
				0.00000	12.00000	99.75000	-1.2050	-1.4833	-0.13047	*
				1.00000	12.00000	99.75000	-1.2317	-1.1973	0.0	
				2.00000	12.00000	99.75000	-1.1981	-0.95324	0.0	
				3.00000	12.00000	99.75000	-1.1141	-0.74528	0.0	
				4.00000	12.00000	99.75000	-0.98866	-0.56781	0.0	
				5.00000	12.00000	99.75000	-0.82935	-0.41575	0.0	
				-40.00000	13.00000	99.75000	0.0	0.0	0.087180	*
				-39.00000	13.00000	99.75000	0.0	0.0	0.098414	*
				-38.00000	13.00000	99.75000	0.0	0.0	0.11086	*
				-37.00000	13.00000	99.75000	0.0	0.0	0.12433	*
				-36.00000	13.00000	99.75000	0.0	0.0	0.13844	*
				-35.00000	13.00000	99.75000	0.0	0.0	0.15248	*
				-34.00000	13.00000	99.75000	0.0	0.0	0.16544	*
				-33.00000	13.00000	99.75000	0.0	0.0	0.17613	*
				-32.00000	13.00000	99.75000	0.0	0.0	0.18341	*
				-31.00000	13.00000	99.75000	0.0	-0.12151	0.18651	*
				-30.00000	13.00000	99.75000	0.0	-0.40693	0.18526	*
				-29.00000	13.00000	99.75000	0.0	-0.73156	0.18010	*
				-28.00000	13.00000	99.75000	0.0	-1.1020	0.17185	*
				-27.00000	13.00000	99.75000	0.0	-1.5258	0.16144	*
				-26.00000	13.00000	99.75000	0.0	-2.0116	0.14973	*
				-25.00000	13.00000	99.75000	0.0	-2.5682	0.13727	*
				-24.00000	13.00000	99.75000	0.0	-3.2041	0.12432	*
				-23.00000	13.00000	99.75000	0.0	-3.9249	0.11072	*
				-22.00000	13.00000	99.75000	0.0	-4.7301	0.096004	*
				-21.00000	13.00000	99.75000	0.0	-5.6076	0.079471	*
				-20.00000	13.00000	99.75000	0.0	-6.5280	0.060409	*
				-19.00000	13.00000	99.75000	0.0	-7.4404	0.038349	*
				-18.00000	13.00000	99.75000	0.0	-8.2000	0.013274	*
				-17.00000	13.00000	99.75000	0.0	-8.2000	-0.014295	*
				-16.00000	13.00000	99.75000	0.0	-8.2000	-0.043364	*
				-15.00000	13.00000	99.75000	0.0	-8.2000	-0.072654	*
				-14.00000	13.00000	99.75000	0.0	-8.2000	-0.10082	*
				-13.00000	13.00000	99.75000	0.0	-8.2000	-0.12662	*
				-12.00000	13.00000	99.75000	0.0	-8.2000	-0.14899	*
				-11.00000	13.00000	99.75000	0.0	-5.6375	-0.16709	*
				-10.00000	13.00000	99.75000	0.0	-3.0750	-0.18035	*
				-9.00000	13.00000	99.75000	0.0	-3.0750	-0.18847	*
				-8.00000	13.00000	99.75000	0.0	-3.0750	-0.19151	*
				-7.00000	13.00000	99.75000	0.0	-3.0750	-0.18987	*
				-6.00000	13.00000	99.75000	0.0	-3.0750	-0.18422	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-5.00000	13.00000	99.75000	0.0	-3.0750	-0.17544	*
				-4.00000	13.00000	99.75000	-0.27373	-2.7591	-0.16447	*
				-3.00000	13.00000	99.75000	-0.52208	-2.4167	-0.15221	*
				-2.00000	13.00000	99.75000	-0.72533	-2.0734	-0.13941	*
				-1.00000	13.00000	99.75000	-0.87219	-1.7472	-0.12666	*
				0.00000	13.00000	99.75000	-0.95939	-1.4486	-0.11438	*
				1.00000	13.00000	99.75000	-0.98922	-1.1816	0.0	
				2.00000	13.00000	99.75000	-0.96705	-0.94606	0.0	
				3.00000	13.00000	99.75000	-0.89937	-0.73973	0.0	
				4.00000	13.00000	99.75000	-0.79268	-0.55947	0.0	
				5.00000	13.00000	99.75000	-0.65290	-0.40196	0.0	
				-40.00000	14.00000	99.75000	0.0	0.0	0.076981	*
				-39.00000	14.00000	99.75000	0.0	0.0	0.085887	*
				-38.00000	14.00000	99.75000	0.0	0.0	0.095487	*
				-37.00000	14.00000	99.75000	0.0	0.0	0.10558	*
				-36.00000	14.00000	99.75000	0.0	0.0	0.11582	*
				-35.00000	14.00000	99.75000	0.0	0.0	0.12570	*
				-34.00000	14.00000	99.75000	0.0	0.0	0.13456	*
				-33.00000	14.00000	99.75000	0.0	0.0	0.14166	*
				-32.00000	14.00000	99.75000	0.0	0.0	0.14636	*
				-31.00000	14.00000	99.75000	0.0	0.0	0.14821	*
				-30.00000	14.00000	99.75000	0.0	-0.27286	0.14708	*
				-29.00000	14.00000	99.75000	0.0	-0.60813	0.14318	*
				-28.00000	14.00000	99.75000	0.0	-0.98523	0.13694	*
				-27.00000	14.00000	99.75000	0.0	-1.4096	0.12888	*
				-26.00000	14.00000	99.75000	0.0	-1.8867	0.11948	*
				-25.00000	14.00000	99.75000	0.0	-2.4214	0.10912	*
				-24.00000	14.00000	99.75000	0.0	-3.0167	0.097947	*
				-23.00000	14.00000	99.75000	0.0	-3.6721	0.085916	*
				-22.00000	14.00000	99.75000	0.0	-4.3812	0.072792	*
				-21.00000	14.00000	99.75000	0.0	-5.1280	0.058238	*
				-20.00000	14.00000	99.75000	0.0	-5.8848	0.041928	*
				-19.00000	14.00000	99.75000	0.0	-6.6114	0.023684	*
				-18.00000	14.00000	99.75000	0.0	-7.2000	0.0035826	*
				-17.00000	14.00000	99.75000	0.0	-7.2000	-0.017994	*
				-16.00000	14.00000	99.75000	0.0	-7.2000	-0.040392	*
				-15.00000	14.00000	99.75000	0.0	-7.2000	-0.062779	*
				-14.00000	14.00000	99.75000	0.0	-7.2000	-0.084255	*
				-13.00000	14.00000	99.75000	0.0	-7.2000	-0.10396	*
				-12.00000	14.00000	99.75000	0.0	-7.2000	-0.12113	*
				-11.00000	14.00000	99.75000	0.0	-4.9500	-0.13518	*
				-10.00000	14.00000	99.75000	0.0	-2.7000	-0.14568	*
				-9.00000	14.00000	99.75000	0.0	-2.7000	-0.15244	*
				-8.00000	14.00000	99.75000	0.0	-2.7000	-0.15549	*
				-7.00000	14.00000	99.75000	0.0	-2.7000	-0.15508	*
				-6.00000	14.00000	99.75000	0.0	-2.7000	-0.15164	*
				-5.00000	14.00000	99.75000	0.0	-2.7000	-0.14576	*
				-4.00000	14.00000	99.75000	-0.20990	-2.4548	-0.13805	*
				-3.00000	14.00000	99.75000	-0.40228	-2.1814	-0.12913	*
				-2.00000	14.00000	99.75000	-0.56266	-1.8981	-0.11956	*
				-1.00000	14.00000	99.75000	-0.68144	-1.6196	-0.10978	*
				0.00000	14.00000	99.75000	-0.75414	-1.3558	-0.10014	*
				1.00000	14.00000	99.75000	-0.78037	-1.1122	0.0	
				2.00000	14.00000	99.75000	-0.76253	-0.89111	0.0	
				3.00000	14.00000	99.75000	-0.70450	-0.69250	0.0	
				4.00000	14.00000	99.75000	-0.61073	-0.51516	0.0	
				5.00000	14.00000	99.75000	-0.48566	-0.35725	0.0	
				-40.00000	15.00000	99.75000	0.0	0.0	0.067820	*
				-39.00000	15.00000	99.75000	0.0	0.0	0.074876	*
				-38.00000	15.00000	99.75000	0.0	0.0	0.082302	*
				-37.00000	15.00000	99.75000	0.0	0.0	0.089911	*
				-36.00000	15.00000	99.75000	0.0	0.0	0.097428	*
				-35.00000	15.00000	99.75000	0.0	0.0	0.10448	*
				-34.00000	15.00000	99.75000	0.0	0.0	0.11064	*
				-33.00000	15.00000	99.75000	0.0	0.0	0.11544	*
				-32.00000	15.00000	99.75000	0.0	0.0	0.11848	*
				-31.00000	15.00000	99.75000	0.0	0.0	0.11949	*
				-30.00000	15.00000	99.75000	0.0	-0.077252	0.11838	*
				-29.00000	15.00000	99.75000	0.0	-0.41456	0.11523	*
				-28.00000	15.00000	99.75000	0.0	-0.78870	0.11027	*
				-27.00000	15.00000	99.75000	0.0	-1.2031	0.10380	*
				-26.00000	15.00000	99.75000	0.0	-1.6605	0.096100	*
				-25.00000	15.00000	99.75000	0.0	-2.1627	0.087401	*
				-24.00000	15.00000	99.75000	0.0	-2.7091	0.077819	*
				-23.00000	15.00000	99.75000	0.0	-3.2955	0.067353	*
				-22.00000	15.00000	99.75000	0.0	-3.9125	0.055907	*
				-21.00000	15.00000	99.75000	0.0	-4.5438	0.043338	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

Date
30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-20.00000	15.00000	99.75000	0.0	-5.1649	0.029517	*
				-19.00000	15.00000	99.75000	0.0	-5.7440	0.014413	*
				-18.00000	15.00000	99.75000	0.0	-6.2000	-0.0018594	*
				-17.00000	15.00000	99.75000	0.0	-6.2000	-0.019007	*
				-16.00000	15.00000	99.75000	0.0	-6.2000	-0.036578	*
				-15.00000	15.00000	99.75000	0.0	-6.2000	-0.054004	*
				-14.00000	15.00000	99.75000	0.0	-6.2000	-0.070670	*
				-13.00000	15.00000	99.75000	0.0	-6.2000	-0.085974	*
				-12.00000	15.00000	99.75000	0.0	-6.2000	-0.099381	*
				-11.00000	15.00000	99.75000	0.0	-4.2625	-0.11046	*
				-10.00000	15.00000	99.75000	0.0	-2.3250	-0.11891	*
				-9.00000	15.00000	99.75000	0.0	-2.3250	-0.12459	*
				-8.00000	15.00000	99.75000	0.0	-2.3250	-0.12751	*
				-7.00000	15.00000	99.75000	0.0	-2.3250	-0.12782	*
				-6.00000	15.00000	99.75000	0.0	-2.3250	-0.12582	*
				-5.00000	15.00000	99.75000	0.0	-2.3250	-0.12188	*
				-4.00000	15.00000	99.75000	-0.16035	-2.1347	-0.11643	*
				-3.00000	15.00000	99.75000	-0.30805	-1.9162	-0.10991	*
				-2.00000	15.00000	99.75000	-0.43221	-1.6830	-0.10272	*
				-1.00000	15.00000	99.75000	-0.52490	-1.4468	-0.095193	*
				0.00000	15.00000	99.75000	-0.58150	-1.2166	-0.087609	*
				1.00000	15.00000	99.75000	-0.60038	-0.99814	0.0	
				2.00000	15.00000	99.75000	-0.58213	-0.79472	0.0	
				3.00000	15.00000	99.75000	-0.52883	-0.60778	0.0	
				4.00000	15.00000	99.75000	-0.44338	-0.43744	0.0	
				5.00000	15.00000	99.75000	-0.32895	-0.28303	0.0	
				-40.00000	16.00000	99.75000	0.0	0.0	0.059671	*
				-39.00000	16.00000	99.75000	0.0	0.0	0.065266	*
				-38.00000	16.00000	99.75000	0.0	0.0	0.071029	*
				-37.00000	16.00000	99.75000	0.0	0.0	0.076802	*
				-36.00000	16.00000	99.75000	0.0	0.0	0.082371	*
				-35.00000	16.00000	99.75000	0.0	0.0	0.087472	*
				-34.00000	16.00000	99.75000	0.0	0.0	0.091805	*
				-33.00000	16.00000	99.75000	0.0	0.0	0.095074	*
				-32.00000	16.00000	99.75000	0.0	0.0	0.097018	*
				-31.00000	16.00000	99.75000	0.0	0.0	0.097462	*
				-30.00000	16.00000	99.75000	0.0	0.0	0.096332	*
				-29.00000	16.00000	99.75000	0.0	-0.15432	0.093663	*
				-28.00000	16.00000	99.75000	0.0	-0.51796	0.089576	*
				-27.00000	16.00000	99.75000	0.0	-0.91463	0.084239	*
				-26.00000	16.00000	99.75000	0.0	-1.3451	0.077824	*
				-25.00000	16.00000	99.75000	0.0	-1.8088	0.070475	*
				-24.00000	16.00000	99.75000	0.0	-2.3028	0.062277	*
				-23.00000	16.00000	99.75000	0.0	-2.8209	0.053259	*
				-22.00000	16.00000	99.75000	0.0	-3.3527	0.043399	*
				-21.00000	16.00000	99.75000	0.0	-3.8828	0.032654	*
				-20.00000	16.00000	99.75000	0.0	-4.3903	0.020999	*
				-19.00000	16.00000	99.75000	0.0	-4.8498	0.0084703	*
				-18.00000	16.00000	99.75000	0.0	-5.2000	-0.0048069	*
				-17.00000	16.00000	99.75000	0.0	-5.2000	-0.018602	*
				-16.00000	16.00000	99.75000	0.0	-5.2000	-0.032586	*
				-15.00000	16.00000	99.75000	0.0	-5.2000	-0.046361	*
				-14.00000	16.00000	99.75000	0.0	-5.2000	-0.059495	*
				-13.00000	16.00000	99.75000	0.0	-5.2000	-0.071564	*
				-12.00000	16.00000	99.75000	0.0	-5.2000	-0.082186	*
				-11.00000	16.00000	99.75000	0.0	-3.5750	-0.091050	*
				-10.00000	16.00000	99.75000	0.0	-1.9500	-0.097940	*
				-9.00000	16.00000	99.75000	0.0	-1.9500	-0.10274	*
				-8.00000	16.00000	99.75000	0.0	-1.9500	-0.10545	*
				-7.00000	16.00000	99.75000	0.0	-1.9500	-0.10618	*
				-6.00000	16.00000	99.75000	0.0	-1.9500	-0.10510	*
				-5.00000	16.00000	99.75000	0.0	-1.9500	-0.10249	*
				-4.00000	16.00000	99.75000	-0.12079	-1.8036	-0.098639	*
				-3.00000	16.00000	99.75000	-0.23211	-1.6296	-0.093850	*
				-2.00000	16.00000	99.75000	-0.32558	-1.4385	-0.088419	*
				-1.00000	16.00000	99.75000	-0.39468	-1.2397	-0.082606	*
				0.00000	16.00000	99.75000	-0.43512	-1.0407	-0.076630	*
				1.00000	16.00000	99.75000	-0.44471	-0.84719	0.0	
				2.00000	16.00000	99.75000	-0.42305	-0.66288	0.0	
				3.00000	16.00000	99.75000	-0.37102	-0.48993	0.0	
				4.00000	16.00000	99.75000	-0.29036	-0.32935	0.0	
				5.00000	16.00000	99.75000	-0.18324	-0.18132	0.0	
				-40.00000	17.00000	99.75000	0.0	0.0	0.052469	*
				-39.00000	17.00000	99.75000	0.0	0.0	0.056913	*
				-38.00000	17.00000	99.75000	0.0	0.0	0.061403	*
				-37.00000	17.00000	99.75000	0.0	0.0	0.065808	*
				-36.00000	17.00000	99.75000	0.0	0.0	0.069966	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-35.00000	17.00000	99.75000	0.0	0.0	0.073684	*
				-34.00000	17.00000	99.75000	0.0	0.0	0.076756	*
				-33.00000	17.00000	99.75000	0.0	0.0	0.078979	*
				-32.00000	17.00000	99.75000	0.0	0.0	0.080181	*
				-31.00000	17.00000	99.75000	0.0	0.0	0.080240	*
				-30.00000	17.00000	99.75000	0.0	0.0	0.079101	*
				-29.00000	17.00000	99.75000	0.0	0.0	0.076771	*
				-28.00000	17.00000	99.75000	0.0	-0.17932	0.073314	*
				-27.00000	17.00000	99.75000	0.0	-0.55294	0.068827	*
				-26.00000	17.00000	99.75000	0.0	-0.95194	0.063414	*
				-25.00000	17.00000	99.75000	0.0	-1.3741	0.057171	*
				-24.00000	17.00000	99.75000	0.0	-1.8151	0.050166	*
				-23.00000	17.00000	99.75000	0.0	-2.2680	0.042436	*
				-22.00000	17.00000	99.75000	0.0	-2.7223	0.033997	*
				-21.00000	17.00000	99.75000	0.0	-3.1640	0.024860	*
				-20.00000	17.00000	99.75000	0.0	-3.5755	0.015050	*
				-19.00000	17.00000	99.75000	0.0	-3.9362	0.0046313	*
				-18.00000	17.00000	99.75000	0.0	-4.2000	-0.0062740	*
				-17.00000	17.00000	99.75000	0.0	-4.2000	-0.017481	*
				-16.00000	17.00000	99.75000	0.0	-4.2000	-0.028744	*
				-15.00000	17.00000	99.75000	0.0	-4.2000	-0.039776	*
				-14.00000	17.00000	99.75000	0.0	-4.2000	-0.050267	*
				-13.00000	17.00000	99.75000	0.0	-4.2000	-0.059913	*
				-12.00000	17.00000	99.75000	0.0	-4.2000	-0.068439	*
				-11.00000	17.00000	99.75000	0.0	-2.8875	-0.075619	*
				-10.00000	17.00000	99.75000	0.0	-1.5750	-0.081292	*
				-9.00000	17.00000	99.75000	0.0	-1.5750	-0.085373	*
				-8.00000	17.00000	99.75000	0.0	-1.5750	-0.087850	*
				-7.00000	17.00000	99.75000	0.0	-1.5750	-0.088791	*
				-6.00000	17.00000	99.75000	0.0	-1.5750	-0.088322	*
				-5.00000	17.00000	99.75000	0.0	-1.5750	-0.086622	*
				-4.00000	17.00000	99.75000	-0.088470	-1.4644	-0.083898	*
				-3.00000	17.00000	99.75000	-0.16965	-1.3273	-0.080370	*
				-2.00000	17.00000	99.75000	-0.23695	-1.1719	-0.076255	*
				-1.00000	17.00000	99.75000	-0.28500	-1.0058	-0.071752	*
				0.00000	17.00000	99.75000	-0.30993	-0.83535	-0.067032	*
				1.00000	17.00000	99.75000	-0.30943	-0.66582	0.0	*
				2.00000	17.00000	99.75000	-0.28255	-0.50090	0.0	*
				3.00000	17.00000	99.75000	-0.22939	-0.34313	0.0	*
				4.00000	17.00000	99.75000	-0.15090	-0.19404	0.0	*
				5.00000	17.00000	99.75000	-0.048471	-0.054400	0.0	*
				-40.00000	18.00000	99.75000	0.0	0.0	0.046129	*
				-39.00000	18.00000	99.75000	0.0	0.0	0.049667	*
				-38.00000	18.00000	99.75000	0.0	0.0	0.053178	*
				-37.00000	18.00000	99.75000	0.0	0.0	0.056557	*
				-36.00000	18.00000	99.75000	0.0	0.0	0.059679	*
				-35.00000	18.00000	99.75000	0.0	0.0	0.062405	*
				-34.00000	18.00000	99.75000	0.0	0.0	0.064586	*
				-33.00000	18.00000	99.75000	0.0	0.0	0.066083	*
				-32.00000	18.00000	99.75000	0.0	0.0	0.066776	*
				-31.00000	18.00000	99.75000	0.0	0.0	0.066578	*
				-30.00000	18.00000	99.75000	0.0	0.0	0.065446	*
				-29.00000	18.00000	99.75000	0.0	0.0	0.063375	*
				-28.00000	18.00000	99.75000	0.0	0.0	0.060399	*
				-27.00000	18.00000	99.75000	0.0	-0.12632	0.056574	*
				-26.00000	18.00000	99.75000	0.0	-0.49131	0.051966	*
				-25.00000	18.00000	99.75000	0.0	-0.87100	0.046641	*
				-24.00000	18.00000	99.75000	0.0	-1.2604	0.040652	*
				-23.00000	18.00000	99.75000	0.0	-1.6521	0.034042	*
				-22.00000	18.00000	99.75000	0.0	-2.0364	0.026845	*
				-21.00000	18.00000	99.75000	0.0	-2.4007	0.019093	*
				-20.00000	18.00000	99.75000	0.0	-2.7302	0.010837	*
				-19.00000	18.00000	99.75000	0.0	-3.0081	0.0021486	*
				-18.00000	18.00000	99.75000	0.0	-3.2000	-0.0068603	*
				-17.00000	18.00000	99.75000	0.0	-3.2000	-0.016040	*
				-16.00000	18.00000	99.75000	0.0	-3.2000	-0.025203	*
				-15.00000	18.00000	99.75000	0.0	-3.2000	-0.034137	*
				-14.00000	18.00000	99.75000	0.0	-3.2000	-0.042614	*
				-13.00000	18.00000	99.75000	0.0	-3.2000	-0.050415	*
				-12.00000	18.00000	99.75000	0.0	-3.2000	-0.057337	*
				-11.00000	18.00000	99.75000	0.0	-2.2000	-0.063215	*
				-10.00000	18.00000	99.75000	0.0	-1.2000	-0.067929	*
				-9.00000	18.00000	99.75000	0.0	-1.2000	-0.071411	*
				-8.00000	18.00000	99.75000	0.0	-1.2000	-0.073650	*
				-7.00000	18.00000	99.75000	0.0	-1.2000	-0.074686	*
				-6.00000	18.00000	99.75000	0.0	-1.2000	-0.074606	*
				-5.00000	18.00000	99.75000	0.0	-1.2000	-0.073534	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-4.00000	18.00000	99.75000	-0.061583	-1.1192	-0.071617	*
				-3.00000	18.00000	99.75000	-0.11742	-1.0131	-0.069015	*
				-2.00000	18.00000	99.75000	-0.16222	-0.88825	-0.065888	*
				-1.00000	18.00000	99.75000	-0.19153	-0.75080	-0.062389	*
				0.00000	18.00000	99.75000	-0.20196	-0.60628	-0.058653	*
				1.00000	18.00000	99.75000	-0.19122	-0.45927	0.0	
				2.00000	18.00000	99.75000	-0.15809	-0.31335	0.0	
				3.00000	18.00000	99.75000	-0.10222	-0.17117	0.0	
				4.00000	18.00000	99.75000	-0.023976	-0.034547	0.0	
				5.00000	18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	19.00000	99.75000	0.0	0.0	0.040563	*
				-39.00000	19.00000	99.75000	0.0	0.0	0.043386	*
				-38.00000	19.00000	99.75000	0.0	0.0	0.046140	*
				-37.00000	19.00000	99.75000	0.0	0.0	0.048742	*
				-36.00000	19.00000	99.75000	0.0	0.0	0.051097	*
				-35.00000	19.00000	99.75000	0.0	0.0	0.053100	*
				-34.00000	19.00000	99.75000	0.0	0.0	0.054644	*
				-33.00000	19.00000	99.75000	0.0	0.0	0.055630	*
				-32.00000	19.00000	99.75000	0.0	0.0	0.055972	*
				-31.00000	19.00000	99.75000	0.0	0.0	0.055607	*
				-30.00000	19.00000	99.75000	0.0	0.0	0.054499	*
				-29.00000	19.00000	99.75000	0.0	0.0	0.052642	*
				-28.00000	19.00000	99.75000	0.0	0.0	0.050050	*
				-27.00000	19.00000	99.75000	0.0	0.0	0.046757	*
				-26.00000	19.00000	99.75000	0.0	0.0	0.042809	*
				-25.00000	19.00000	99.75000	0.0	-0.30998	0.038250	*
				-24.00000	19.00000	99.75000	0.0	-0.64992	0.033127	*
				-23.00000	19.00000	99.75000	0.0	-0.98505	0.027479	*
				-22.00000	19.00000	99.75000	0.0	-1.3063	0.021348	*
				-21.00000	19.00000	99.75000	0.0	-1.6026	0.014777	*
				-20.00000	19.00000	99.75000	0.0	-1.8614	0.0078208	*
				-19.00000	19.00000	99.75000	0.0	-2.0687	553.93E-6	*
				-18.00000	19.00000	99.75000	0.0	-2.2000	-0.0069267	*
				-17.00000	19.00000	99.75000	0.0	-2.2000	-0.014499	*
				-16.00000	19.00000	99.75000	0.0	-2.2000	-0.022017	*
				-15.00000	19.00000	99.75000	0.0	-2.2000	-0.029320	*
				-14.00000	19.00000	99.75000	0.0	-2.2000	-0.036240	*
				-13.00000	19.00000	99.75000	0.0	-2.2000	-0.042612	*
				-12.00000	19.00000	99.75000	0.0	-2.2000	-0.048288	*
				-11.00000	19.00000	99.75000	0.0	-1.5125	-0.053145	*
				-10.00000	19.00000	99.75000	0.0	-0.82500	-0.057092	*
				-9.00000	19.00000	99.75000	0.0	-0.82500	-0.060076	*
				-8.00000	19.00000	99.75000	0.0	-0.82500	-0.062084	*
				-7.00000	19.00000	99.75000	0.0	-0.82500	-0.063141	*
				-6.00000	19.00000	99.75000	0.0	-0.82500	-0.063307	*
				-5.00000	19.00000	99.75000	0.0	-0.82500	-0.062668	*
				-4.00000	19.00000	99.75000	-0.038866	-0.76941	-0.061330	*
				-3.00000	19.00000	99.75000	-0.073107	-0.68970	-0.059411	*
				-2.00000	19.00000	99.75000	-0.098415	-0.59120	-0.057031	*
				-1.00000	19.00000	99.75000	-0.11106	-0.47902	-0.054305	*
				0.00000	19.00000	99.75000	-0.10808	-0.35787	-0.051340	*
				1.00000	19.00000	99.75000	-0.087316	-0.23179	0.0	
				2.00000	19.00000	99.75000	-0.047442	-0.10411	0.0	
				3.00000	19.00000	99.75000	0.0	0.0	0.0	
				4.00000	19.00000	99.75000	0.0	0.0	0.0	
				5.00000	19.00000	99.75000	0.0	0.0	0.0	
				-40.00000	20.00000	99.75000	0.0	0.0	0.035682	*
				-39.00000	20.00000	99.75000	0.0	0.0	0.037940	*
				-38.00000	20.00000	99.75000	0.0	0.0	0.040107	*
				-37.00000	20.00000	99.75000	0.0	0.0	0.042117	*
				-36.00000	20.00000	99.75000	0.0	0.0	0.043897	*
				-35.00000	20.00000	99.75000	0.0	0.0	0.045369	*
				-34.00000	20.00000	99.75000	0.0	0.0	0.046453	*
				-33.00000	20.00000	99.75000	0.0	0.0	0.047076	*
				-32.00000	20.00000	99.75000	0.0	0.0	0.047176	*
				-31.00000	20.00000	99.75000	0.0	0.0	0.046707	*
				-30.00000	20.00000	99.75000	0.0	0.0	0.045640	*
				-29.00000	20.00000	99.75000	0.0	0.0	0.043965	*
				-28.00000	20.00000	99.75000	0.0	0.0	0.041691	*
				-27.00000	20.00000	99.75000	0.0	0.0	0.038839	*
				-26.00000	20.00000	99.75000	0.0	0.0	0.035439	*
				-25.00000	20.00000	99.75000	0.0	0.0	0.031526	*
				-24.00000	20.00000	99.75000	0.0	0.0	0.027137	*
				-23.00000	20.00000	99.75000	0.0	-0.27599	0.022311	*
				-22.00000	20.00000	99.75000	0.0	-0.54045	0.017088	*
				-21.00000	20.00000	99.75000	0.0	-0.77672	0.011514	*
				-20.00000	20.00000	99.75000	0.0	-0.97397	0.0056448	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-19.00000	20.00000	99.75000	0.0	-1.1207	-452.16E-6	*
				-18.00000	20.00000	99.75000	0.0	-1.2000	-0.0066928	*
				-17.00000	20.00000	99.75000	0.0	-1.2000	-0.012977	*
				-16.00000	20.00000	99.75000	0.0	-1.2000	-0.019191	*
				-15.00000	20.00000	99.75000	0.0	-1.2000	-0.025210	*
				-14.00000	20.00000	99.75000	0.0	-1.2000	-0.030907	*
				-13.00000	20.00000	99.75000	0.0	-1.2000	-0.036159	*
				-12.00000	20.00000	99.75000	0.0	-1.2000	-0.040854	*
				-11.00000	20.00000	99.75000	0.0	-0.82500	-0.044899	*
				-10.00000	20.00000	99.75000	0.0	-0.45000	-0.048225	*
				-9.00000	20.00000	99.75000	0.0	-0.45000	-0.050791	*
				-8.00000	20.00000	99.75000	0.0	-0.45000	-0.052583	*
				-7.00000	20.00000	99.75000	0.0	-0.45000	-0.053616	*
				-6.00000	20.00000	99.75000	0.0	-0.45000	-0.053932	*
				-5.00000	20.00000	99.75000	0.0	-0.45000	-0.053592	*
				-4.00000	20.00000	99.75000	-0.019420	-0.41596	-0.052672	*
				-3.00000	20.00000	99.75000	-0.035054	-0.35899	-0.051259	*
				-2.00000	20.00000	99.75000	-0.043339	-0.28345	-0.049444	*
				-1.00000	20.00000	99.75000	-0.041130	-0.19364	-0.047315	*
				0.00000	20.00000	99.75000	-0.025830	-0.093572	-0.044958	*
				1.00000	20.00000	99.75000	0.0	0.0	0.0	
				2.00000	20.00000	99.75000	0.0	0.0	0.0	
				3.00000	20.00000	99.75000	0.0	0.0	0.0	
				4.00000	20.00000	99.75000	0.0	0.0	0.0	
				5.00000	20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	21.00000	99.75000	0.0	0.0	0.031405	*
				-39.00000	21.00000	99.75000	0.0	0.0	0.033214	*
				-38.00000	21.00000	99.75000	0.0	0.0	0.034923	*
				-37.00000	21.00000	99.75000	0.0	0.0	0.036480	*
				-36.00000	21.00000	99.75000	0.0	0.0	0.037827	*
				-35.00000	21.00000	99.75000	0.0	0.0	0.038904	*
				-34.00000	21.00000	99.75000	0.0	0.0	0.039652	*
				-33.00000	21.00000	99.75000	0.0	0.0	0.040018	*
				-32.00000	21.00000	99.75000	0.0	0.0	0.039954	*
				-31.00000	21.00000	99.75000	0.0	0.0	0.039426	*
				-30.00000	21.00000	99.75000	0.0	0.0	0.038410	*
				-29.00000	21.00000	99.75000	0.0	0.0	0.036899	*
				-28.00000	21.00000	99.75000	0.0	0.0	0.034895	*
				-27.00000	21.00000	99.75000	0.0	0.0	0.032413	*
				-26.00000	21.00000	99.75000	0.0	0.0	0.029475	*
				-25.00000	21.00000	99.75000	0.0	0.0	0.026108	*
				-24.00000	21.00000	99.75000	0.0	0.0	0.022343	*
				-23.00000	21.00000	99.75000	0.0	0.0	0.018215	*
				-22.00000	21.00000	99.75000	0.0	0.0	0.013762	*
				-21.00000	21.00000	99.75000	0.0	0.0	0.0090290	*
				-20.00000	21.00000	99.75000	0.0	-0.071648	0.0040664	*
				-19.00000	21.00000	99.75000	0.0	-0.16563	-0.0010649	*
				-18.00000	21.00000	99.75000	0.0	-0.20000	-0.0062933	*
				-17.00000	21.00000	99.75000	0.0	-0.20000	-0.011537	*
				-16.00000	21.00000	99.75000	0.0	-0.20000	-0.016705	*
				-15.00000	21.00000	99.75000	0.0	-0.20000	-0.021701	*
				-14.00000	21.00000	99.75000	0.0	-0.20000	-0.026426	*
				-13.00000	21.00000	99.75000	0.0	-0.20000	-0.030788	*
				-12.00000	21.00000	99.75000	0.0	-0.20000	-0.034701	*
				-11.00000	21.00000	99.75000	0.0	-0.13750	-0.038094	*
				-10.00000	21.00000	99.75000	0.0	-0.075000	-0.040913	*
				-9.00000	21.00000	99.75000	0.0	-0.075000	-0.043125	*
				-8.00000	21.00000	99.75000	0.0	-0.075000	-0.044719	*
				-7.00000	21.00000	99.75000	0.0	-0.075000	-0.045703	*
				-6.00000	21.00000	99.75000	0.0	-0.075000	-0.046104	*
				-5.00000	21.00000	99.75000	0.0	-0.075000	-0.045968	*
				-4.00000	21.00000	99.75000	-0.0025874	-0.059618	-0.045349	*
				-3.00000	21.00000	99.75000	-0.0020288	-0.022415	-0.044313	*
				-2.00000	21.00000	99.75000	0.0	0.0	-0.042928	*
				-1.00000	21.00000	99.75000	0.0	0.0	-0.041264	*
				0.00000	21.00000	99.75000	0.0	0.0	-0.039385	*
				1.00000	21.00000	99.75000	0.0	0.0	0.0	
				2.00000	21.00000	99.75000	0.0	0.0	0.0	
				3.00000	21.00000	99.75000	0.0	0.0	0.0	
				4.00000	21.00000	99.75000	0.0	0.0	0.0	
				5.00000	21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	22.00000	99.75000	0.0	0.0	0.027657	*
				-39.00000	22.00000	99.75000	0.0	0.0	0.029109	*
				-38.00000	22.00000	99.75000	0.0	0.0	0.030460	*
				-37.00000	22.00000	99.75000	0.0	0.0	0.031667	*
				-36.00000	22.00000	99.75000	0.0	0.0	0.032684	*
				-35.00000	22.00000	99.75000	0.0	0.0	0.033467	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-34.00000	22.00000	99.75000	0.0	0.0	0.033971	*
				-33.00000	22.00000	99.75000	0.0	0.0	0.034154	*
				-32.00000	22.00000	99.75000	0.0	0.0	0.033981	*
				-31.00000	22.00000	99.75000	0.0	0.0	0.033425	*
				-30.00000	22.00000	99.75000	0.0	0.0	0.032469	*
				-29.00000	22.00000	99.75000	0.0	0.0	0.031106	*
				-28.00000	22.00000	99.75000	0.0	0.0	0.029336	*
				-27.00000	22.00000	99.75000	0.0	0.0	0.027169	*
				-26.00000	22.00000	99.75000	0.0	0.0	0.024623	*
				-25.00000	22.00000	99.75000	0.0	0.0	0.021719	*
				-24.00000	22.00000	99.75000	0.0	0.0	0.018484	*
				-23.00000	22.00000	99.75000	0.0	0.0	0.014949	*
				-22.00000	22.00000	99.75000	0.0	0.0	0.011149	*
				-21.00000	22.00000	99.75000	0.0	0.0	0.0071233	*
				-20.00000	22.00000	99.75000	0.0	0.0	0.0029181	*
				-19.00000	22.00000	99.75000	0.0	0.0	-0.0014134	*
				-18.00000	22.00000	99.75000	0.0	0.0	-0.0058109	*
				-17.00000	22.00000	99.75000	0.0	0.0	-0.010207	*
				-16.00000	22.00000	99.75000	0.0	0.0	-0.014529	*
				-15.00000	22.00000	99.75000	0.0	0.0	-0.018701	*
				-14.00000	22.00000	99.75000	0.0	0.0	-0.022647	*
				-13.00000	22.00000	99.75000	0.0	0.0	-0.026293	*
				-12.00000	22.00000	99.75000	0.0	0.0	-0.029575	*
				-11.00000	22.00000	99.75000	0.0	0.0	-0.032438	*
				-10.00000	22.00000	99.75000	0.0	0.0	-0.034839	*
				-9.00000	22.00000	99.75000	0.0	0.0	-0.036752	*
				-8.00000	22.00000	99.75000	0.0	0.0	-0.038166	*
				-7.00000	22.00000	99.75000	0.0	0.0	-0.039085	*
				-6.00000	22.00000	99.75000	0.0	0.0	-0.039530	*
				-5.00000	22.00000	99.75000	0.0	0.0	-0.039531	*
				-4.00000	22.00000	99.75000	0.0	0.0	-0.039130	*
				-3.00000	22.00000	99.75000	0.0	0.0	-0.038375	*
				-2.00000	22.00000	99.75000	0.0	0.0	-0.037319	*
				-1.00000	22.00000	99.75000	0.0	0.0	-0.036014	*
				0.00000	22.00000	99.75000	0.0	0.0	-0.034514	*
				1.00000	22.00000	99.75000	0.0	0.0	0.0	
				2.00000	22.00000	99.75000	0.0	0.0	0.0	
				3.00000	22.00000	99.75000	0.0	0.0	0.0	
				4.00000	22.00000	99.75000	0.0	0.0	0.0	
				5.00000	22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	23.00000	99.75000	0.0	0.0	0.024371	*
				-39.00000	23.00000	99.75000	0.0	0.0	0.025540	*
				-38.00000	23.00000	99.75000	0.0	0.0	0.026608	*
				-37.00000	23.00000	99.75000	0.0	0.0	0.027544	*
				-36.00000	23.00000	99.75000	0.0	0.0	0.028311	*
				-35.00000	23.00000	99.75000	0.0	0.0	0.028874	*
				-34.00000	23.00000	99.75000	0.0	0.0	0.029198	*
				-33.00000	23.00000	99.75000	0.0	0.0	0.029252	*
				-32.00000	23.00000	99.75000	0.0	0.0	0.029010	*
				-31.00000	23.00000	99.75000	0.0	0.0	0.028449	*
				-30.00000	23.00000	99.75000	0.0	0.0	0.027558	*
				-29.00000	23.00000	99.75000	0.0	0.0	0.026329	*
				-28.00000	23.00000	99.75000	0.0	0.0	0.024763	*
				-27.00000	23.00000	99.75000	0.0	0.0	0.022868	*
				-26.00000	23.00000	99.75000	0.0	0.0	0.020657	*
				-25.00000	23.00000	99.75000	0.0	0.0	0.018148	*
				-24.00000	23.00000	99.75000	0.0	0.0	0.015365	*
				-23.00000	23.00000	99.75000	0.0	0.0	0.012333	*
				-22.00000	23.00000	99.75000	0.0	0.0	0.0090845	*
				-21.00000	23.00000	99.75000	0.0	0.0	0.0056543	*
				-20.00000	23.00000	99.75000	0.0	0.0	0.0020828	*
				-19.00000	23.00000	99.75000	0.0	0.0	-0.0015843	*
				-18.00000	23.00000	99.75000	0.0	0.0	-0.0052963	*
				-17.00000	23.00000	99.75000	0.0	0.0	-0.0089978	*
				-16.00000	23.00000	99.75000	0.0	0.0	-0.012630	*
				-15.00000	23.00000	99.75000	0.0	0.0	-0.016133	*
				-14.00000	23.00000	99.75000	0.0	0.0	-0.019445	*
				-13.00000	23.00000	99.75000	0.0	0.0	-0.022511	*
				-12.00000	23.00000	99.75000	0.0	0.0	-0.025280	*
				-11.00000	23.00000	99.75000	0.0	0.0	-0.027707	*
				-10.00000	23.00000	99.75000	0.0	0.0	-0.029761	*
				-9.00000	23.00000	99.75000	0.0	0.0	-0.031418	*
				-8.00000	23.00000	99.75000	0.0	0.0	-0.032671	*
				-7.00000	23.00000	99.75000	0.0	0.0	-0.033520	*
				-6.00000	23.00000	99.75000	0.0	0.0	-0.033979	*
				-5.00000	23.00000	99.75000	0.0	0.0	-0.034071	*
				-4.00000	23.00000	99.75000	0.0	0.0	-0.033826	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-3.00000	23.00000	99.75000	0.0	0.0	-0.033281	*
				-2.00000	23.00000	99.75000	0.0	0.0	-0.032476	*
				-1.00000	23.00000	99.75000	0.0	0.0	-0.031453	*
				0.00000	23.00000	99.75000	0.0	0.0	-0.030253	*
				1.00000	23.00000	99.75000	0.0	0.0	0.0	
				2.00000	23.00000	99.75000	0.0	0.0	0.0	
				3.00000	23.00000	99.75000	0.0	0.0	0.0	
				4.00000	23.00000	99.75000	0.0	0.0	0.0	
				5.00000	23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	24.00000	99.75000	0.0	0.0	0.021490	*
				-39.00000	24.00000	99.75000	0.0	0.0	0.022431	*
				-38.00000	24.00000	99.75000	0.0	0.0	0.023278	*
				-37.00000	24.00000	99.75000	0.0	0.0	0.024003	*
				-36.00000	24.00000	99.75000	0.0	0.0	0.024578	*
				-35.00000	24.00000	99.75000	0.0	0.0	0.024976	*
				-34.00000	24.00000	99.75000	0.0	0.0	0.025169	*
				-33.00000	24.00000	99.75000	0.0	0.0	0.025134	*
				-32.00000	24.00000	99.75000	0.0	0.0	0.024850	*
				-31.00000	24.00000	99.75000	0.0	0.0	0.024301	*
				-30.00000	24.00000	99.75000	0.0	0.0	0.023476	*
				-29.00000	24.00000	99.75000	0.0	0.0	0.022370	*
				-28.00000	24.00000	99.75000	0.0	0.0	0.020984	*
				-27.00000	24.00000	99.75000	0.0	0.0	0.019324	*
				-26.00000	24.00000	99.75000	0.0	0.0	0.017401	*
				-25.00000	24.00000	99.75000	0.0	0.0	0.015230	*
				-24.00000	24.00000	99.75000	0.0	0.0	0.012831	*
				-23.00000	24.00000	99.75000	0.0	0.0	0.010227	*
				-22.00000	24.00000	99.75000	0.0	0.0	0.0074455	*
				-21.00000	24.00000	99.75000	0.0	0.0	0.0045172	*
				-20.00000	24.00000	99.75000	0.0	0.0	0.0014770	*
				-19.00000	24.00000	99.75000	0.0	0.0	-0.0016362	*
				-18.00000	24.00000	99.75000	0.0	0.0	-0.0047799	*
				-17.00000	24.00000	99.75000	0.0	0.0	-0.0079085	*
				-16.00000	24.00000	99.75000	0.0	0.0	-0.010974	*
				-15.00000	24.00000	99.75000	0.0	0.0	-0.013928	*
				-14.00000	24.00000	99.75000	0.0	0.0	-0.016723	*
				-13.00000	24.00000	99.75000	0.0	0.0	-0.019314	*
				-12.00000	24.00000	99.75000	0.0	0.0	-0.021660	*
				-11.00000	24.00000	99.75000	0.0	0.0	-0.023728	*
				-10.00000	24.00000	99.75000	0.0	0.0	-0.025490	*
				-9.00000	24.00000	99.75000	0.0	0.0	-0.026930	*
				-8.00000	24.00000	99.75000	0.0	0.0	-0.028038	*
				-7.00000	24.00000	99.75000	0.0	0.0	-0.028815	*
				-6.00000	24.00000	99.75000	0.0	0.0	-0.029270	*
				-5.00000	24.00000	99.75000	0.0	0.0	-0.029419	*
				-4.00000	24.00000	99.75000	0.0	0.0	-0.029286	*
				-3.00000	24.00000	99.75000	0.0	0.0	-0.028898	*
				-2.00000	24.00000	99.75000	0.0	0.0	-0.028286	*
				-1.00000	24.00000	99.75000	0.0	0.0	-0.027483	*
				0.00000	24.00000	99.75000	0.0	0.0	-0.026520	*
				1.00000	24.00000	99.75000	0.0	0.0	0.0	
				2.00000	24.00000	99.75000	0.0	0.0	0.0	
				3.00000	24.00000	99.75000	0.0	0.0	0.0	
				4.00000	24.00000	99.75000	0.0	0.0	0.0	
				5.00000	24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	25.00000	99.75000	0.0	0.0	0.018962	*
				-39.00000	25.00000	99.75000	0.0	0.0	0.019721	*
				-38.00000	25.00000	99.75000	0.0	0.0	0.020392	*
				-37.00000	25.00000	99.75000	0.0	0.0	0.020953	*
				-36.00000	25.00000	99.75000	0.0	0.0	0.021381	*
				-35.00000	25.00000	99.75000	0.0	0.0	0.021655	*
				-34.00000	25.00000	99.75000	0.0	0.0	0.021754	*
				-33.00000	25.00000	99.75000	0.0	0.0	0.021659	*
				-32.00000	25.00000	99.75000	0.0	0.0	0.021353	*
				-31.00000	25.00000	99.75000	0.0	0.0	0.020825	*
				-30.00000	25.00000	99.75000	0.0	0.0	0.020066	*
				-29.00000	25.00000	99.75000	0.0	0.0	0.019073	*
				-28.00000	25.00000	99.75000	0.0	0.0	0.017846	*
				-27.00000	25.00000	99.75000	0.0	0.0	0.016391	*
				-26.00000	25.00000	99.75000	0.0	0.0	0.014716	*
				-25.00000	25.00000	99.75000	0.0	0.0	0.012835	*
				-24.00000	25.00000	99.75000	0.0	0.0	0.010764	*
				-23.00000	25.00000	99.75000	0.0	0.0	0.0085243	*
				-22.00000	25.00000	99.75000	0.0	0.0	0.0061388	*
				-21.00000	25.00000	99.75000	0.0	0.0	0.0036343	*
				-20.00000	25.00000	99.75000	0.0	0.0	0.0010407	*
				-19.00000	25.00000	99.75000	0.0	0.0	-0.0016092	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-18.00000	25.00000	99.75000	0.0	0.0	-0.0042797	*
				-17.00000	25.00000	99.75000	0.0	0.0	-0.0069331	*
				-16.00000	25.00000	99.75000	0.0	0.0	-0.0095304	*
				-15.00000	25.00000	99.75000	0.0	0.0	-0.012032	*
				-14.00000	25.00000	99.75000	0.0	0.0	-0.014401	*
				-13.00000	25.00000	99.75000	0.0	0.0	-0.016599	*
				-12.00000	25.00000	99.75000	0.0	0.0	-0.018596	*
				-11.00000	25.00000	99.75000	0.0	0.0	-0.020364	*
				-10.00000	25.00000	99.75000	0.0	0.0	-0.021881	*
				-9.00000	25.00000	99.75000	0.0	0.0	-0.023133	*
				-8.00000	25.00000	99.75000	0.0	0.0	-0.024112	*
				-7.00000	25.00000	99.75000	0.0	0.0	-0.024818	*
				-6.00000	25.00000	99.75000	0.0	0.0	-0.025257	*
				-5.00000	25.00000	99.75000	0.0	0.0	-0.025441	*
				-4.00000	25.00000	99.75000	0.0	0.0	-0.025387	*
				-3.00000	25.00000	99.75000	0.0	0.0	-0.025116	*
				-2.00000	25.00000	99.75000	0.0	0.0	-0.024652	*
				-1.00000	25.00000	99.75000	0.0	0.0	-0.024020	*
				0.00000	25.00000	99.75000	0.0	0.0	-0.023248	*
				1.00000	25.00000	99.75000	0.0	0.0	0.0	
				2.00000	25.00000	99.75000	0.0	0.0	0.0	
				3.00000	25.00000	99.75000	0.0	0.0	0.0	
				4.00000	25.00000	99.75000	0.0	0.0	0.0	
				5.00000	25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	26.00000	99.75000	0.0	0.0	0.016742	*
				-39.00000	26.00000	99.75000	0.0	0.0	0.017354	*
				-38.00000	26.00000	99.75000	0.0	0.0	0.017886	*
				-37.00000	26.00000	99.75000	0.0	0.0	0.018319	*
				-36.00000	26.00000	99.75000	0.0	0.0	0.018635	*
				-35.00000	26.00000	99.75000	0.0	0.0	0.018817	*
				-34.00000	26.00000	99.75000	0.0	0.0	0.018848	*
				-33.00000	26.00000	99.75000	0.0	0.0	0.018713	*
				-32.00000	26.00000	99.75000	0.0	0.0	0.018401	*
				-31.00000	26.00000	99.75000	0.0	0.0	0.017901	*
				-30.00000	26.00000	99.75000	0.0	0.0	0.017207	*
				-29.00000	26.00000	99.75000	0.0	0.0	0.016316	*
				-28.00000	26.00000	99.75000	0.0	0.0	0.015231	*
				-27.00000	26.00000	99.75000	0.0	0.0	0.013953	*
				-26.00000	26.00000	99.75000	0.0	0.0	0.012493	*
				-25.00000	26.00000	99.75000	0.0	0.0	0.010861	*
				-24.00000	26.00000	99.75000	0.0	0.0	0.0090720	*
				-23.00000	26.00000	99.75000	0.0	0.0	0.0071426	*
				-22.00000	26.00000	99.75000	0.0	0.0	0.0050934	*
				-21.00000	26.00000	99.75000	0.0	0.0	0.0029473	*
				-20.00000	26.00000	99.75000	0.0	0.0	729.93E-6	*
				-19.00000	26.00000	99.75000	0.0	0.0	-0.0015310	*
				-18.00000	26.00000	99.75000	0.0	0.0	-0.0038058	*
				-17.00000	26.00000	99.75000	0.0	0.0	-0.0060631	*
				-16.00000	26.00000	99.75000	0.0	0.0	-0.0082709	*
				-15.00000	26.00000	99.75000	0.0	0.0	-0.010397	*
				-14.00000	26.00000	99.75000	0.0	0.0	-0.012411	*
				-13.00000	26.00000	99.75000	0.0	0.0	-0.014284	*
				-12.00000	26.00000	99.75000	0.0	0.0	-0.015990	*
				-11.00000	26.00000	99.75000	0.0	0.0	-0.017506	*
				-10.00000	26.00000	99.75000	0.0	0.0	-0.018815	*
				-9.00000	26.00000	99.75000	0.0	0.0	-0.019906	*
				-8.00000	26.00000	99.75000	0.0	0.0	-0.020771	*
				-7.00000	26.00000	99.75000	0.0	0.0	-0.021409	*
				-6.00000	26.00000	99.75000	0.0	0.0	-0.021824	*
				-5.00000	26.00000	99.75000	0.0	0.0	-0.022026	*
				-4.00000	26.00000	99.75000	0.0	0.0	-0.022027	*
				-3.00000	26.00000	99.75000	0.0	0.0	-0.021843	*
				-2.00000	26.00000	99.75000	0.0	0.0	-0.021492	*
				-1.00000	26.00000	99.75000	0.0	0.0	-0.020996	*
				0.00000	26.00000	99.75000	0.0	0.0	-0.020374	*
				1.00000	26.00000	99.75000	0.0	0.0	0.0	
				2.00000	26.00000	99.75000	0.0	0.0	0.0	
				3.00000	26.00000	99.75000	0.0	0.0	0.0	
				4.00000	26.00000	99.75000	0.0	0.0	0.0	
				5.00000	26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	27.00000	99.75000	0.0	0.0	0.014790	*
				-39.00000	27.00000	99.75000	0.0	0.0	0.015286	*
				-38.00000	27.00000	99.75000	0.0	0.0	0.015707	*
				-37.00000	27.00000	99.75000	0.0	0.0	0.016040	*
				-36.00000	27.00000	99.75000	0.0	0.0	0.016270	*
				-35.00000	27.00000	99.75000	0.0	0.0	0.016383	*
				-34.00000	27.00000	99.75000	0.0	0.0	0.016366	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-33.00000	27.00000	99.75000	0.0	0.0	0.016208	*
				-32.00000	27.00000	99.75000	0.0	0.0	0.015899	*
				-31.00000	27.00000	99.75000	0.0	0.0	0.015431	*
				-30.00000	27.00000	99.75000	0.0	0.0	0.014799	*
				-29.00000	27.00000	99.75000	0.0	0.0	0.014003	*
				-28.00000	27.00000	99.75000	0.0	0.0	0.013042	*
				-27.00000	27.00000	99.75000	0.0	0.0	0.011921	*
				-26.00000	27.00000	99.75000	0.0	0.0	0.010647	*
				-25.00000	27.00000	99.75000	0.0	0.0	0.0092300	*
				-24.00000	27.00000	99.75000	0.0	0.0	0.0076816	*
				-23.00000	27.00000	99.75000	0.0	0.0	0.0060173	*
				-22.00000	27.00000	99.75000	0.0	0.0	0.0042543	*
				-21.00000	27.00000	99.75000	0.0	0.0	0.0024122	*
				-20.00000	27.00000	99.75000	0.0	0.0	512.72E-6	*
				-19.00000	27.00000	99.75000	0.0	0.0	-0.0014207	*
				-18.00000	27.00000	99.75000	0.0	0.0	-0.0033632	*
				-17.00000	27.00000	99.75000	0.0	0.0	-0.0052888	*
				-16.00000	27.00000	99.75000	0.0	0.0	-0.0071712	*
				-15.00000	27.00000	99.75000	0.0	0.0	-0.0089841	*
				-14.00000	27.00000	99.75000	0.0	0.0	-0.010703	*
				-13.00000	27.00000	99.75000	0.0	0.0	-0.012303	*
				-12.00000	27.00000	99.75000	0.0	0.0	-0.013764	*
				-11.00000	27.00000	99.75000	0.0	0.0	-0.015068	*
				-10.00000	27.00000	99.75000	0.0	0.0	-0.016200	*
				-9.00000	27.00000	99.75000	0.0	0.0	-0.017151	*
				-8.00000	27.00000	99.75000	0.0	0.0	-0.017914	*
				-7.00000	27.00000	99.75000	0.0	0.0	-0.018489	*
				-6.00000	27.00000	99.75000	0.0	0.0	-0.018877	*
				-5.00000	27.00000	99.75000	0.0	0.0	-0.019085	*
				-4.00000	27.00000	99.75000	0.0	0.0	-0.019123	*
				-3.00000	27.00000	99.75000	0.0	0.0	-0.019003	*
				-2.00000	27.00000	99.75000	0.0	0.0	-0.018740	*
				-1.00000	27.00000	99.75000	0.0	0.0	-0.018349	*
				0.00000	27.00000	99.75000	0.0	0.0	-0.017849	*
				1.00000	27.00000	99.75000	0.0	0.0	0.0	
				2.00000	27.00000	99.75000	0.0	0.0	0.0	
				3.00000	27.00000	99.75000	0.0	0.0	0.0	
				4.00000	27.00000	99.75000	0.0	0.0	0.0	
				5.00000	27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	28.00000	99.75000	0.0	0.0	0.013074	*
				-39.00000	28.00000	99.75000	0.0	0.0	0.013475	*
				-38.00000	28.00000	99.75000	0.0	0.0	0.013809	*
				-37.00000	28.00000	99.75000	0.0	0.0	0.014064	*
				-36.00000	28.00000	99.75000	0.0	0.0	0.014228	*
				-35.00000	28.00000	99.75000	0.0	0.0	0.014291	*
				-34.00000	28.00000	99.75000	0.0	0.0	0.014242	*
				-33.00000	28.00000	99.75000	0.0	0.0	0.014071	*
				-32.00000	28.00000	99.75000	0.0	0.0	0.013772	*
				-31.00000	28.00000	99.75000	0.0	0.0	0.013338	*
				-30.00000	28.00000	99.75000	0.0	0.0	0.012765	*
				-29.00000	28.00000	99.75000	0.0	0.0	0.012054	*
				-28.00000	28.00000	99.75000	0.0	0.0	0.011205	*
				-27.00000	28.00000	99.75000	0.0	0.0	0.010221	*
				-26.00000	28.00000	99.75000	0.0	0.0	0.0091087	*
				-25.00000	28.00000	99.75000	0.0	0.0	0.0078766	*
				-24.00000	28.00000	99.75000	0.0	0.0	0.0065354	*
				-23.00000	28.00000	99.75000	0.0	0.0	0.0050979	*
				-22.00000	28.00000	99.75000	0.0	0.0	0.0035790	*
				-21.00000	28.00000	99.75000	0.0	0.0	0.0019953	*
				-20.00000	28.00000	99.75000	0.0	0.0	365.22E-6	*
				-19.00000	28.00000	99.75000	0.0	0.0	-0.0012915	*
				-18.00000	28.00000	99.75000	0.0	0.0	-0.0029539	*
				-17.00000	28.00000	99.75000	0.0	0.0	-0.0046005	*
				-16.00000	28.00000	99.75000	0.0	0.0	-0.0062096	*
				-15.00000	28.00000	99.75000	0.0	0.0	-0.0077595	*
				-14.00000	28.00000	99.75000	0.0	0.0	-0.0092296	*
				-13.00000	28.00000	99.75000	0.0	0.0	-0.010601	*
				-12.00000	28.00000	99.75000	0.0	0.0	-0.011856	*
				-11.00000	28.00000	99.75000	0.0	0.0	-0.012979	*
				-10.00000	28.00000	99.75000	0.0	0.0	-0.013960	*
				-9.00000	28.00000	99.75000	0.0	0.0	-0.014790	*
				-8.00000	28.00000	99.75000	0.0	0.0	-0.015463	*
				-7.00000	28.00000	99.75000	0.0	0.0	-0.015979	*
				-6.00000	28.00000	99.75000	0.0	0.0	-0.016337	*
				-5.00000	28.00000	99.75000	0.0	0.0	-0.016544	*
				-4.00000	28.00000	99.75000	0.0	0.0	-0.016606	*
				-3.00000	28.00000	99.75000	0.0	0.0	-0.016533	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by AT

Date 30-Aug-2023

Checked

Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-2.00000	28.00000	99.75000	0.0	0.0	-0.016337	*
				-1.00000	28.00000	99.75000	0.0	0.0	-0.016030	*
				0.00000	28.00000	99.75000	0.0	0.0	-0.015626	*
				1.00000	28.00000	99.75000	0.0	0.0	0.0	
				2.00000	28.00000	99.75000	0.0	0.0	0.0	
				3.00000	28.00000	99.75000	0.0	0.0	0.0	
				4.00000	28.00000	99.75000	0.0	0.0	0.0	
				5.00000	28.00000	99.75000	0.0	0.0	0.0	
				-40.00000	29.00000	99.75000	0.0	0.0	0.011564	*
				-39.00000	29.00000	99.75000	0.0	0.0	0.011889	*
				-38.00000	29.00000	99.75000	0.0	0.0	0.012153	*
				-37.00000	29.00000	99.75000	0.0	0.0	0.012347	*
				-36.00000	29.00000	99.75000	0.0	0.0	0.012462	*
				-35.00000	29.00000	99.75000	0.0	0.0	0.012488	*
				-34.00000	29.00000	99.75000	0.0	0.0	0.012417	*
				-33.00000	29.00000	99.75000	0.0	0.0	0.012242	*
				-32.00000	29.00000	99.75000	0.0	0.0	0.011957	*
				-31.00000	29.00000	99.75000	0.0	0.0	0.011558	*
				-30.00000	29.00000	99.75000	0.0	0.0	0.011042	*
				-29.00000	29.00000	99.75000	0.0	0.0	0.010408	*
				-28.00000	29.00000	99.75000	0.0	0.0	0.0096571	*
				-27.00000	29.00000	99.75000	0.0	0.0	0.0087935	*
				-26.00000	29.00000	99.75000	0.0	0.0	0.0078222	*
				-25.00000	29.00000	99.75000	0.0	0.0	0.0067505	*
				-24.00000	29.00000	99.75000	0.0	0.0	0.0055876	*
				-23.00000	29.00000	99.75000	0.0	0.0	0.0043447	*
				-22.00000	29.00000	99.75000	0.0	0.0	0.0030343	*
				-21.00000	29.00000	99.75000	0.0	0.0	0.0016708	*
				-20.00000	29.00000	99.75000	0.0	0.0	269.67E-6	*
				-19.00000	29.00000	99.75000	0.0	0.0	-0.0011524	*
				-18.00000	29.00000	99.75000	0.0	0.0	-0.0025780	*
				-17.00000	29.00000	99.75000	0.0	0.0	-0.0039891	*
				-16.00000	29.00000	99.75000	0.0	0.0	-0.0053676	*
				-15.00000	29.00000	99.75000	0.0	0.0	-0.0066957	*
				-14.00000	29.00000	99.75000	0.0	0.0	-0.0079565	*
				-13.00000	29.00000	99.75000	0.0	0.0	-0.0091339	*
				-12.00000	29.00000	99.75000	0.0	0.0	-0.010214	*
				-11.00000	29.00000	99.75000	0.0	0.0	-0.011184	*
				-10.00000	29.00000	99.75000	0.0	0.0	-0.012036	*
				-9.00000	29.00000	99.75000	0.0	0.0	-0.012760	*
				-8.00000	29.00000	99.75000	0.0	0.0	-0.013353	*
				-7.00000	29.00000	99.75000	0.0	0.0	-0.013814	*
				-6.00000	29.00000	99.75000	0.0	0.0	-0.014143	*
				-5.00000	29.00000	99.75000	0.0	0.0	-0.014342	*
				-4.00000	29.00000	99.75000	0.0	0.0	-0.014419	*
				-3.00000	29.00000	99.75000	0.0	0.0	-0.014381	*
				-2.00000	29.00000	99.75000	0.0	0.0	-0.014236	*
				-1.00000	29.00000	99.75000	0.0	0.0	-0.013994	*
				0.00000	29.00000	99.75000	0.0	0.0	-0.013667	*
				1.00000	29.00000	99.75000	0.0	0.0	0.0	
				2.00000	29.00000	99.75000	0.0	0.0	0.0	
				3.00000	29.00000	99.75000	0.0	0.0	0.0	
				4.00000	29.00000	99.75000	0.0	0.0	0.0	
				5.00000	29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	30.00000	99.75000	0.0	0.0	0.010234	*
				-39.00000	30.00000	99.75000	0.0	0.0	0.010497	*
				-38.00000	30.00000	99.75000	0.0	0.0	0.010706	*
				-37.00000	30.00000	99.75000	0.0	0.0	0.010853	*
				-36.00000	30.00000	99.75000	0.0	0.0	0.010931	*
				-35.00000	30.00000	99.75000	0.0	0.0	0.010931	*
				-34.00000	30.00000	99.75000	0.0	0.0	0.010847	*
				-33.00000	30.00000	99.75000	0.0	0.0	0.010674	*
				-32.00000	30.00000	99.75000	0.0	0.0	0.010406	*
				-31.00000	30.00000	99.75000	0.0	0.0	0.010041	*
				-30.00000	30.00000	99.75000	0.0	0.0	0.0095766	*
				-29.00000	30.00000	99.75000	0.0	0.0	0.0090124	*
				-28.00000	30.00000	99.75000	0.0	0.0	0.0083498	*
				-27.00000	30.00000	99.75000	0.0	0.0	0.0075919	*
				-26.00000	30.00000	99.75000	0.0	0.0	0.0067434	*
				-25.00000	30.00000	99.75000	0.0	0.0	0.0058107	*
				-24.00000	30.00000	99.75000	0.0	0.0	0.0048017	*
				-23.00000	30.00000	99.75000	0.0	0.0	0.0037259	*
				-22.00000	30.00000	99.75000	0.0	0.0	0.0025943	*
				-21.00000	30.00000	99.75000	0.0	0.0	0.0014188	*
				-20.00000	30.00000	99.75000	0.0	0.0	212.74E-6	*
				-19.00000	30.00000	99.75000	0.0	0.0	-0.0010099	*
				-18.00000	30.00000	99.75000	0.0	0.0	-0.0022345	*



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Ground Movement Assessment
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-17.00000	30.00000	99.75000	0.0	0.0	-0.0034460	*
				-16.00000	30.00000	99.75000	0.0	0.0	-0.0046293	*
				-15.00000	30.00000	99.75000	0.0	0.0	-0.0057696	*
				-14.00000	30.00000	99.75000	0.0	0.0	-0.0068529	*
				-13.00000	30.00000	99.75000	0.0	0.0	-0.0078661	*
				-12.00000	30.00000	99.75000	0.0	0.0	-0.0087973	*
				-11.00000	30.00000	99.75000	0.0	0.0	-0.0096366	*
				-10.00000	30.00000	99.75000	0.0	0.0	-0.010376	*
				-9.00000	30.00000	99.75000	0.0	0.0	-0.011009	*
				-8.00000	30.00000	99.75000	0.0	0.0	-0.011531	*
				-7.00000	30.00000	99.75000	0.0	0.0	-0.011942	*
				-6.00000	30.00000	99.75000	0.0	0.0	-0.012241	*
				-5.00000	30.00000	99.75000	0.0	0.0	-0.012430	*
				-4.00000	30.00000	99.75000	0.0	0.0	-0.012515	*
				-3.00000	30.00000	99.75000	0.0	0.0	-0.012501	*
				-2.00000	30.00000	99.75000	0.0	0.0	-0.012395	*
				-1.00000	30.00000	99.75000	0.0	0.0	-0.012205	*
				0.00000	30.00000	99.75000	0.0	0.0	-0.011940	*
				1.00000	30.00000	99.75000	0.0	0.0	0.0	
				2.00000	30.00000	99.75000	0.0	0.0	0.0	
				3.00000	30.00000	99.75000	0.0	0.0	0.0	
				4.00000	30.00000	99.75000	0.0	0.0	0.0	
				5.00000	30.00000	99.75000	0.0	0.0	0.0	

Specific Building Damage Results - Horizontal Displacements

Stage: z Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Specific Building: Name	Sub-building Name	Dist.	x	y
			$\delta H // \delta H_{perp}$				[m]	[m]
[m]	[m]	[mm]	[mm]	[mm]	[mm]			
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1		0.0	-31.74200	
10.69900	98.25000	0.0	-1.6177	-1.6158	-0.077353	0.53328	-31.71650	
11.23167	98.25000	0.0	-1.0681	-1.0669	-0.051074	1.0666	-31.69100	
11.76433	98.25000	0.0	-0.50728	-0.50670	-0.024257	1.5998	-31.66550	
12.29700	98.25000	0.0	-0.031408	-0.031373	-0.0015019	2.1331	-31.64000	
12.82967	98.25000	0.0	0.0	0.0	0.0	2.6664	-31.61450	
13.36233	98.25000	0.0	0.0	0.0	0.0	3.1997	-31.58900	
13.89500	98.25000	0.0	0.0	0.0	0.0	0.0	-31.58900	
13.89500	98.25000	2	No 11 Lyndhurst Terrace	No 11 LG - Line 2		0.50397	-31.08560	
13.87100	98.25000	0.0	0.0	0.0	0.0	1.0079	-30.58220	
13.84700	98.25000	0.0	-0.12027	0.0057273	-0.12013	1.5119	-30.07880	
13.82300	98.25000	0.0	-0.27644	0.013164	-0.27612	2.0159	-29.57540	
13.79900	98.25000	0.0	-0.44168	0.021034	-0.44118	2.5199	-29.07200	
13.77500	98.25000	0.0	-0.61672	0.029369	-0.61602	0.0	-29.07200	
13.77500	98.25000	3	No 11 Lyndhurst Terrace	No 11 LG - Line 3		0.48725	-29.04869	
13.77500	98.25000	0.0	-0.61672	-0.61601	-0.029507	0.97449	-29.02538	
14.26169	98.25000	0.0	-0.54684	-0.54622	-0.026164	1.4617	-29.00206	
14.74838	98.25000	0.0	-0.46068	-0.46015	-0.022042	1.9490	-28.97875	
15.23506	98.25000	0.0	-0.35850	-0.35809	-0.017153	2.4362	-28.95544	
15.72175	98.25000	0.0	-0.24064	-0.24036	-0.011513	2.9235	-28.93212	
16.20844	98.25000	0.0	-0.10749	-0.10737	-0.0051429	3.4107	-28.90881	
16.69513	98.25000	0.0	0.0	0.0	0.0	3.8980	-28.88550	
17.18181	98.25000	0.0	0.0	0.0	0.0			



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Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific Building: δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
17.66850	98.25000	0.0	0.0	0.0	0.0		4.3852	-28.86219	
18.15519	98.25000	0.0	0.0	0.0	0.0		4.8725	-28.83888	
18.64187	98.25000	0.0	0.0	0.0	0.0		5.3597	-28.81556	
19.12856	98.25000	0.0	0.0	0.0	0.0		5.8469	-28.79225	
19.61525	98.25000	0.0	0.0	0.0	0.0		6.3342	-28.76894	
20.10194	98.25000	0.0	0.0	0.0	0.0		6.8214	-28.74563	
20.58863	98.25000	0.0	0.0	0.0	0.0		7.3087	-28.72231	
21.07531	98.25000	0.0	0.0	0.0	0.0		7.7959	-28.69900	
21.56200	98.25000	4	0.0	0.0	0.0	No 11 Lyndhurst Terrace	0.0	-28.69900	No 11 LG - Line 4
21.56200	98.25000	0.0	0.0	0.0	0.0		0.22097	-28.91650	
21.60100	98.25000	0.0	0.0	0.0	0.0		0.44194	-29.13400	
21.64000	98.25000	0.0	0.0	0.0	0.0		0.0	-29.13400	No 11 LG - Line 5
21.64000	98.25000	5	0.0	0.0	0.0	No 11 Lyndhurst Terrace	0.52393	-29.10900	
22.16333	98.25000	0.0	0.0	0.0	0.0		1.0479	-29.08400	
22.68667	98.25000	0.0	0.0	0.0	0.0		1.5718	-29.05900	
23.21000	98.25000	0.0	0.0	0.0	0.0		2.0957	-29.03400	
23.73333	98.25000	0.0	0.0	0.0	0.0		2.6197	-29.00900	
24.25667	98.25000	0.0	0.0	0.0	0.0		3.1436	-28.98400	
24.78000	98.25000	0.0	0.0	0.0	0.0		0.0	-28.98400	No 11 LG - Line 6
24.78000	98.25000	6	0.0	0.0	0.0	No 11 Lyndhurst Terrace	0.50429	-28.48029	
24.75592	98.25000	0.0	0.0	0.0	0.0		1.0086	-27.97658	
24.73184	98.25000	0.0	0.0	0.0	0.0		1.5129	-27.47287	
24.70776	98.25000	0.0	0.0	0.0	0.0		2.0171	-26.96916	
24.68368	98.25000	0.0	0.0	0.0	0.0		2.5214	-26.46545	
24.65961	98.25000	0.0	0.0	0.0	0.0		3.0257	-25.96174	
24.63553	98.25000	0.0	0.0	0.0	0.0		3.5300	-25.45803	
24.61145	98.25000	0.0	0.0	0.0	0.0		4.0343	-24.95432	
24.58737	98.25000	0.0	0.0	0.0	0.0		4.5386	-24.45061	
24.56329	98.25000	0.0	0.0	0.0	0.0		5.0429	-23.94689	
24.53921	98.25000	0.0	0.0	0.0	0.0		5.5471	-23.44318	
24.51513	98.25000	0.0	0.0	0.0	0.0		6.0514	-22.93947	
24.49105	98.25000	0.0	0.0	0.0	0.0		6.5557	-22.43576	
24.46697	98.25000	0.0	0.0	0.0	0.0		7.0600	-21.93205	
24.44289	98.25000	0.0	0.0	0.0	0.0		7.5643	-21.42834	
24.41882	98.25000	0.0	0.0	0.0	0.0		8.0686	-20.92463	
24.39474	98.25000	0.0	0.0	0.0	0.0		8.5729	-20.42092	
24.37066	98.25000	0.0	0.0	0.0	0.0		9.0771	-19.91721	
24.34658	98.25000	0.0	0.0	0.0	0.0		9.5814	-19.41350	
24.32250	98.25000	0.0	0.0	0.0	0.0				



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Made by AT	Date 30-Aug-2023	Checked Date

Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
24.29842	98.25000	0.0	0.0	0.0	0.0		10.086	-18.90979	
24.27434	98.25000	0.0	0.0	0.0	0.0		10.590	-18.40608	
24.25026	98.25000	0.0	0.0	0.0	0.0		11.094	-17.90237	
24.22618	98.25000	0.0	0.0	0.0	0.0		11.599	-17.39866	
24.20211	98.25000	0.0	0.0	0.0	0.0		12.103	-16.89495	
24.17803	98.25000	0.0	0.0	0.0	0.0		12.607	-16.39124	
24.15395	98.25000	0.0	0.0	0.0	0.0		13.111	-15.88753	
24.12987	98.25000	0.0	0.0	0.0	0.0		13.616	-15.38382	
24.10579	98.25000	0.0	0.0	0.0	0.0		14.120	-14.88011	
24.08171	98.25000	0.0	0.0	0.0	0.0		14.624	-14.37639	
24.05763	98.25000	0.0	0.0	0.0	0.0		15.129	-13.87268	
24.03355	98.25000	0.0	0.0	0.0	0.0		15.633	-13.36897	
24.00947	98.25000	0.0	0.0	0.0	0.0		16.137	-12.86526	
23.98539	98.25000	0.0	0.0	0.0	0.0		16.641	-12.36155	
23.96132	98.25000	0.0	0.0	0.0	0.0		17.146	-11.85784	
23.93724	98.25000	0.0	0.0	0.0	0.0		17.650	-11.35413	
23.91316	98.25000	0.0	0.0	0.0	0.0		18.154	-10.85042	
23.88908	98.25000	0.0	0.0	0.0	0.0		18.659	-10.34671	
23.86500	98.25000	0.0	0.0	0.0	0.0		19.163	-9.84300	
23.86500	98.25000	7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	-9.84300			
23.35857	98.25000	0.0	0.0	0.0	0.0		0.50701	-9.86721	
22.85214	98.25000	0.0	0.0	0.0	0.0		1.0140	-9.89143	
22.34571	98.25000	0.0	0.0	0.0	0.0		1.5210	-9.91564	
21.83929	98.25000	0.0	0.0	0.0	0.0		2.0280	-9.93986	
21.33286	98.25000	0.0	0.0	0.0	0.0		2.5350	-9.96407	
20.82643	98.25000	0.0	-0.14009	0.13993	0.0066906		3.0420	-9.98829	
20.32000	98.25000	0.0	-0.33000	0.32962	0.015761		3.5490	-10.01250	
19.81357	98.25000	0.0	-0.51991	0.51932	0.024831		4.0561	-10.03671	
19.30714	98.25000	0.0	-0.70982	0.70901	0.033901		4.5631	-10.06093	
18.80071	98.25000	0.0	-0.89973	0.89871	0.042971		5.0701	-10.08514	
18.29429	98.25000	0.0	-1.0896	1.0884	0.052041		5.5771	-10.10936	
17.78786	98.25000	0.0	-1.2796	1.2781	0.061111		6.0841	-10.13357	
17.28143	98.25000	0.0	-1.4695	1.4678	0.070181		6.5911	-10.15779	
16.77500	98.25000	0.0	-1.6594	1.6575	0.079251		7.0981	-10.18200	
16.26857	98.25000	0.0	-1.8493	1.8472	0.088321		7.6051	-10.20621	
15.76214	98.25000	0.0	-2.0392	2.0369	0.097391		8.1121	-10.23043	
15.25571	98.25000	0.0	-2.2291	2.2266	0.10646		8.6191	-10.25464	
14.74929	98.25000	0.0	-2.4190	2.4163	0.11553		9.1261	-10.27886	
							9.6331	-10.30307	



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Stage 3 - Short Term - Complete Construction

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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
14.24286	98.25000	Ref.	0.0	-2.6089	2.6060	0.12460			
							10.140	-10.32729	
13.73643	98.25000		0.0	-2.7988	2.7956	0.13367			
							10.647	-10.35150	
13.23000	98.25000		0.0	-2.9888	2.9853	0.14274			
							11.154	-10.37571	
12.72357	98.25000		0.0	-3.1787	3.1750	0.15181			
							11.661	-10.39993	
12.21714	98.25000		0.0	-3.3686	3.3647	0.16088			
							12.168	-10.42414	
11.71071	98.25000		0.0	-3.5966	3.5925	0.17177			
							12.675	-10.44836	
11.20429	98.25000		0.0	-3.9553	3.9508	0.18890			
							13.182	-10.47257	
10.69786	98.25000		0.0	-4.3140	4.3091	0.20603			
							13.689	-10.49679	
10.19143	98.25000		0.0	-4.6727	4.6674	0.22317			
							14.196	-10.52100	
9.68500	98.25000		0.0	-5.0315	5.0257	0.24030			
		8			No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	-10.52100	
9.68500	98.25000		0.0	-5.0315	-0.24014	5.0257			
							0.50584	-11.02626	
9.70914	98.25000		0.0	-12.196	-0.58210	12.182			
							1.0117	-11.53152	
9.73329	98.25000		0.0	-12.164	-0.58057	12.150			
							1.5175	-12.03679	
9.75743	98.25000		0.0	-12.132	-0.57903	12.118			
							2.0234	-12.54205	
9.78157	98.25000		0.0	-12.100	-0.57749	12.086			
							2.5292	-13.04731	
9.80571	98.25000		0.0	-12.067	-0.57596	12.054			
							3.0350	-13.55257	
9.82986	98.25000		0.0	-12.079	-0.57650	12.065			
							3.5409	-14.05783	
9.85400	98.25000		0.0	-12.222	-0.58335	12.208			
							4.0467	-14.56310	
9.87814	98.25000		0.0	-12.387	-0.59123	12.373			
							4.5525	-15.06836	
9.90229	98.25000		0.0	-12.575	-0.60019	12.561			
							5.0584	-15.57362	
9.92643	98.25000		0.0	-12.784	-0.61017	12.770			
							5.5642	-16.07888	
9.95057	98.25000		0.0	-13.011	-0.62101	12.996			
							6.0701	-16.58414	
9.97471	98.25000		0.0	-13.248	-0.63232	13.233			
							6.5759	-17.08940	
9.99886	98.25000		0.0	-13.482	-0.64348	13.467			
							7.0817	-17.59467	
10.02300	98.25000		0.0	-13.694	-0.65360	13.679			
							7.5876	-18.09993	
10.04714	98.25000		0.0	-13.856	-0.66131	13.840			
							8.0934	-18.60519	
10.07129	98.25000		0.0	-12.806	-0.61120	12.791			
							8.5993	-19.11045	
10.09543	98.25000		0.0	-11.705	-0.55867	11.692			
							9.1051	-19.61571	
10.11957	98.25000		0.0	-10.638	-0.50772	10.626			
							9.6109	-20.12098	
10.14371	98.25000		0.0	-9.6352	-0.45987	9.6242			
							10.117	-20.62624	
10.16786	98.25000		0.0	-8.7155	-0.41598	8.7055			
							10.623	-21.13150	
10.19200	98.25000		0.0	-7.8844	-0.37631	7.8754			
							11.128	-21.63676	
10.21614	98.25000		0.0	-7.1400	-0.34078	7.1318			
							11.634	-22.14202	
10.24029	98.25000		0.0	-6.4911	-0.30981	6.4837			
							12.140	-22.64729	
10.26443	98.25000		0.0	-5.9564	-0.28429	5.9496			
							12.646	-23.15255	
10.28857	98.25000		0.0	-5.4799	-0.26155	5.4737			
							13.152	-23.65781	
10.31271	98.25000		0.0	-5.0541	-0.24123	5.0484			
							13.658	-24.16307	
10.33686	98.25000		0.0	-4.6722	-0.22300	4.6669			
							14.163	-24.66833	
10.36100	98.25000		0.0	-4.3282	-0.20658	4.3232			



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Ref.		Building: Ref.							
10.38514	98.25000		0.0	-4.0169	-0.19172	4.0123	14.669	-25.17360	
10.40929	98.25000		0.0	-3.7341	-0.17822	3.7298	15.175	-25.67886	
10.43343	98.25000		0.0	-3.4759	-0.16590	3.4720	15.681	-26.18412	
10.45757	98.25000		0.0	-3.2393	-0.15461	3.2356	16.187	-26.68938	
10.48171	98.25000		0.0	-3.0214	-0.14421	3.0180	16.693	-27.19464	
10.50586	98.25000		0.0	-2.8201	-0.13460	2.8169	17.199	-27.69990	
10.53000	98.25000		0.0	-2.6333	-0.12568	2.6303	17.704	-28.20517	
10.55414	98.25000		0.0	-2.4594	-0.11738	2.4566	18.210	-28.71043	
10.57829	98.25000		0.0	-2.2969	-0.10963	2.2943	18.716	-29.21569	
10.60243	98.25000		0.0	-2.1446	-0.10236	2.1422	19.222	-29.72095	
10.62657	98.25000		0.0	-2.0014	-0.095524	1.9991	19.728	-30.22621	
10.65071	98.25000		0.0	-1.8664	-0.089079	1.8643	20.234	-30.73148	
10.67486	98.25000		0.0	-1.7387	-0.082985	1.7367	20.739	-31.23674	
10.69900	98.25000		0.0	-1.6177	-0.077209	1.6158	21.245	-31.74200	
-4.35700	96.40000	9	-4.4732	5.7078	-4.4515	5.7247	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0 -20.99000
-4.35313	96.40000		-3.5933	5.2532	-3.5734	5.2668			1.0235 -19.96650
-4.34925	96.40000		-2.6911	5.1151	-2.6717	5.1253			2.0470 -18.94300
-4.34537	96.40000		-1.7447	5.0538	-1.7255	5.0604			3.0705 -17.91950
-4.34150	96.40000		-0.57337	5.0262	-0.55434	5.0283			4.0940 -16.89600
-4.33763	96.40000		1.1829	5.0323	1.2019	5.0278			5.1175 -15.87250
-4.33375	96.40000		2.1548	5.0714	2.1740	5.0632			6.1410 -14.84900
-4.32987	96.40000		3.0899	5.1288	3.1093	5.1170			7.1646 -13.82550
-4.32600	96.40000		4.0859	5.2545	4.1057	5.2390			8.1881 -12.80200
-4.32600	96.40000	10	4.1831	5.2748	-5.2701	4.1889	No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0 -12.70200
-5.41040	96.40000		2.2485	4.9596	-4.9571	2.2540			1.0844 -12.70080
-6.49480	96.40000		1.1697	4.3658	-4.3645	1.1746			2.1688 -12.69960
-7.57920	96.40000		0.59527	3.4047	-3.4040	0.59903			3.2532 -12.69840
-8.66360	96.40000		0.24968	2.2351	-2.2348	0.25216			4.3376 -12.69720
-9.74800	96.40000		0.022938	1.6434	-1.6434	0.024757			5.4220 -12.69600
-9.84800	96.40000	11	0.0059553	1.6131	0.0059553	1.6131	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0 -12.69600
-9.84800	96.40000		0.015607	1.9988	0.015607	1.9988			0.93500 -11.76100
-9.84800	96.40000		0.0	2.3800	0.0	2.3800			1.8700 -10.82600
-9.84800	96.40000		0.0	2.7713	0.0	2.7713			2.8050 -9.89100
-9.94800	96.40000	12	0.0	2.7161	-2.7157	0.048850	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0 -9.89100
-10.90233	96.40000		0.0	2.4693	-2.4689	0.044411			0.95449 -9.87383
-11.85667	96.40000		0.0	2.2401	-2.2397	0.040289			1.9090 -9.85667
-12.81100	96.40000		0.0	1.9834	-1.9831	0.035672			2.8635 -9.83950
-13.76533	96.40000		0.0	1.7069	-1.7066	0.030699			3.8180 -9.82233
									4.7724 -9.80517



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-14.71967	96.40000		0.0	1.4156	-1.4153	0.025459		5.7269	-9.78800	
-15.67400	96.40000		0.0	1.1129	-1.1127	0.020016				
-15.77400	96.40000	13	0.0	1.0805	0.0	-1.0805	No 7 Lyndhurst Terrace No 7 LG - Line 5	0.0	-9.78800	
-15.77400	96.40000		0.0	0.95848	0.0	-0.95848		0.98400	-10.77200	
-15.77400	96.40000		0.0	0.82287	0.0	-0.82287		1.9680	-11.75600	
-15.77400	96.40000		0.0	0.67913	0.0	-0.67913		2.9520	-12.74000	
-15.87400	96.40000	14	0.0	0.65453	-0.65338	-0.038815	No 7 Lyndhurst Terrace No 7 LG - Line 6	0.0	-12.74000	
-16.82340	96.40000		0.0	0.40525	-0.40454	-0.024032		0.95107	-12.79640	
-17.77280	96.40000		0.0	0.14431	-0.14405	-0.0085577		1.9021	-12.85280	
-18.72220	96.40000		0.0	0.0	0.0	0.0		2.8532	-12.90920	
-19.67160	96.40000		0.0	0.0	0.0	0.0		3.8043	-12.96560	
-20.62100	96.40000		0.0	0.0	0.0	0.0		4.7554	-13.02200	
-21.57040	96.40000		0.0	0.0	0.0	0.0		5.7064	-13.07840	
-22.51980	96.40000		0.0	0.0	0.0	0.0		6.6575	-13.13480	
-23.46920	96.40000		0.0	0.0	0.0	0.0		7.6086	-13.19120	
-24.41860	96.40000		0.0	0.0	0.0	0.0		8.5597	-13.24760	
-25.36800	96.40000		0.0	0.0	0.0	0.0		9.5107	-13.30400	
-26.31740	96.40000		0.0	0.0	0.0	0.0		10.462	-13.36040	
-27.26680	96.40000		0.0	0.0	0.0	0.0		11.413	-13.41680	
-28.21620	96.40000		0.0	0.0	0.0	0.0		12.364	-13.47320	
-29.16560	96.40000		0.0	0.0	0.0	0.0		13.315	-13.52960	
-30.11500	96.40000		0.0	0.0	0.0	0.0		14.266	-13.58600	
-30.21500	96.40000	15	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 7	0.0	-13.58600	
-30.24270	96.40000		0.0	0.0	0.0	0.0		1.0545	-14.64010	
-30.27040	96.40000		0.0	0.0	0.0	0.0		2.1089	-15.69420	
-30.29810	96.40000		0.0	0.0	0.0	0.0		3.1634	-16.74830	
-30.32580	96.40000		0.0	0.0	0.0	0.0		4.2179	-17.80240	
-30.35350	96.40000		0.0	0.0	0.0	0.0		5.2723	-18.85650	
-30.38120	96.40000		0.0	0.0	0.0	0.0		6.3268	-19.91060	
-30.40890	96.40000		0.0	0.0	0.0	0.0		7.3812	-20.96470	
-30.43660	96.40000		0.0	0.0	0.0	0.0		8.4357	-22.01880	
-30.46430	96.40000		0.0	0.0	0.0	0.0		9.4902	-23.07290	
-30.49200	96.40000		0.0	0.0	0.0	0.0		10.545	-24.12700	
-30.49200	96.40000	16	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 8	0.0	-24.22700	
-29.47300	96.40000		0.0	0.0	0.0	0.0		1.0190	-24.23400	
-28.45400	96.40000		0.0	0.0	0.0	0.0		2.0380	-24.24100	
-28.45400	96.40000	17	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 9	0.0	-24.34100	
-28.46000	96.40000		0.0	0.0	0.0	0.0		0.72952	-25.07050	
-28.46600	96.40000		0.0	0.0	0.0	0.0		1.4590	-25.80000	



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Stage: z	Stage: δx	Name: δy	Specific: δH//	Specific: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Ref.							
-28.46600	96.40000	18	No 7 Lyndhurst Terrace	No 7 LG - Line 10	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	-25.90000	
			0.0	0.0	0.0	0.0	1.3465	-25.90950	
-27.11950	96.40000		0.0	0.0	0.0	0.0	2.6931	-25.91900	
-25.77300	96.40000		0.0	0.0	0.0	0.0	0.0	-25.81900	
-25.77300	96.40000	19	No 7 Lyndhurst Terrace	No 7 LG - Line 11	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	-25.81900	
			0.0	0.0	0.0	0.0	0.72952	-25.08950	
-25.76700	96.40000		0.0	0.0	0.0	0.0	1.4590	-24.36000	
-25.76100	96.40000		0.0	0.0	0.0	0.0	0.0	-24.26000	
-25.76100	96.40000	20	No 7 Lyndhurst Terrace	No 7 LG - Line 12	No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	-24.26000	
			0.0	0.0	0.0	0.0	0.99331	-24.26700	
-24.76771	96.40000		0.0	0.0	0.0	0.0	1.9866	-24.27400	
-23.77443	96.40000		0.0	0.0	0.0	0.0	2.9799	-24.28100	
-22.78114	96.40000		0.0	0.0	0.0	0.0	3.9732	-24.28800	
-21.78786	96.40000		0.0	0.0	0.0	0.0	4.9666	-24.29500	
-20.79457	96.40000		0.0	0.0	0.0	0.0	5.9599	-24.30200	
-19.80129	96.40000		0.0	0.0	0.0	0.0	6.9532	-24.30900	
-18.80800	96.40000		0.0	0.0	0.0	0.0	0.0	-24.30900	
-18.70800	96.40000	21	No 7 Lyndhurst Terrace	No 7 LG - Line 13	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	-24.30900	
			0.0	0.0	0.0	0.0	0.92900	-25.23800	
-18.70800	96.40000		0.0	0.0	0.0	0.0	1.8580	-26.16700	
-18.70800	96.40000	22	No 7 Lyndhurst Terrace	No 7 LG - Line 14	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	-26.26700	
			0.0	0.0	0.0	0.0	0.84069	-26.76633	
-18.03167	96.40000		0.0	0.0	0.0	0.0	1.6814	-27.26567	
-17.35533	96.40000		0.0	0.0	0.0	0.0	2.5221	-27.76500	
-16.67900	96.40000		0.0	0.0	0.0	0.0	0.0	-27.76500	
-16.57900	96.40000	23	No 7 Lyndhurst Terrace	No 7 LG - Line 15	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	-27.76500	
			0.0	0.0	0.0	0.0	1.0829	-27.72513	
-15.49688	96.40000		0.0	0.0	0.0	0.0	2.1657	-27.68525	
-14.41475	96.40000		0.0	0.0	0.0	0.0	3.2486	-27.64538	
-13.33263	96.40000		0.0	0.0	0.0	0.0	4.3314	-27.60550	
-12.25050	96.40000		0.0	0.0	0.0	0.0	5.4143	-27.56563	
-11.16838	96.40000		0.0	0.0	0.0	0.0	6.4972	-27.52575	
-10.08625	96.40000		0.0	0.013750	0.013741	506.33E-6	7.5800	-27.48588	
-9.00413	96.40000		0.0	1.0959	1.0951	0.040354	8.6629	-27.44600	
-7.92200	96.40000		0.0	2.1780	2.1765	0.080202	0.0	-27.44600	
-7.82200	96.40000	24	No 7 Lyndhurst Terrace	No 7 LG - Line 16	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	-27.44600	
			0.0	2.2780	0.0019321	2.2780	0.58950	-26.85650	
-7.82150	96.40000		0.0	2.2785	0.0019326	2.2785	1.1790	-26.26700	
-7.82100	96.40000		0.0	2.2790	0.0019330	2.2790	0.0	-26.16700	
-7.82100	96.40000	25	No 7 Lyndhurst Terrace	No 7 LG - Line 17	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	-26.16700	
			0.0	2.2790	2.2790	-0.0024505	0.093000	-26.16710	
-7.72800	96.40000		0.0	2.3720	2.3720	-0.0025505	0.18600	-26.16720	
-7.63500	96.40000		0.0	2.4650	2.4650	-0.0026505	0.27900	-26.16730	
-7.54200	96.40000		0.0	2.5580	2.5580	-0.0027505	0.37200	-26.16740	
-7.44900	96.40000		0.0	2.6510	2.6510	-0.0028505	0.46500	-26.16750	



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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
-7.35600	96.40000	Ref. 0.0	2.7440	2.7440	-0.0029505		0.55800	-26.16760	
-7.26300	96.40000	0.0	2.8370	2.8370	-0.0030505		0.65100	-26.16770	
-7.17000	96.40000	0.0	2.9300	2.9300	-0.0031505		0.74400	-26.16780	
-7.07700	96.40000	0.0	3.0230	3.0230	-0.0032505		0.83700	-26.16790	
-6.98400	96.40000	0.0	3.1160	3.1160	-0.0033505		0.93000	-26.16800	
-6.89100	96.40000	0.0	3.2090	3.2090	-0.0034505		0.0	-26.06800	
-6.89100	96.40000	26	No 7 Lyndhurst Terrace	No 7 LG - Line 18	3.2090		0.98871	-25.07929	
-6.89000	96.40000	0.0	3.2090	0.0032456	3.2090		1.9774	-24.09057	
-6.89000	96.40000	0.0	3.2100	0.0032466	3.2100		2.9661	-23.10186	
-6.88900	96.40000	0.0	3.2110	0.0032477	3.2110		3.9549	-22.11314	
-6.88800	96.40000	0.0	3.2120	0.0032487	3.2120		4.9436	-21.12443	
-6.88700	96.40000	0.0	3.2416	0.0032786	3.2416		5.9323	-20.13571	
-6.88600	96.40000	-0.65361	4.5876	-0.64897	4.5882		6.9210	-19.14700	
-6.88500	96.40000	-1.0136	3.8306	-1.0097	3.8316		0.0	-19.04700	
-6.88400	96.40000	-1.0072	3.2555	-1.0039	3.2565		0.11840	-19.04700	
-6.88400	96.40000	27	No 7 Lyndhurst Terrace	No 7 LG - Line 19	3.2080		0.23680	-19.04700	
-6.88400	96.40000	-0.98889	3.2080	3.2080	0.98889		0.35520	-19.04700	
-6.76560	96.40000	-1.0574	3.3296	3.3296	1.0574		0.47360	-19.04700	
-6.64720	96.40000	-1.1280	3.4469	3.4469	1.1280		0.59200	-19.04700	
-6.52880	96.40000	-1.2009	3.5597	3.5597	1.2009		0.71040	-19.04700	
-6.41040	96.40000	-1.2758	3.6679	3.6679	1.2758		0.82880	-19.04700	
-6.29200	96.40000	-1.3530	3.7714	3.7714	1.3530		0.94720	-19.04700	
-6.17360	96.40000	-1.4322	3.8701	3.8701	1.4322		1.0656	-19.04700	
-6.05520	96.40000	-1.5135	3.9640	3.9640	1.5135		1.1840	-19.04700	
-5.93680	96.40000	-1.5967	4.0530	4.0530	1.5967		0.0	-19.14700	
-5.81840	96.40000	-1.6818	4.1372	4.1372	1.6818		0.18430	-19.33130	
-5.70000	96.40000	-1.7685	4.2164	4.2164	1.7685		0.36860	-19.51560	
-5.70000	96.40000	28	No 7 Lyndhurst Terrace	No 7 LG - Line 20	4.2622		0.55290	-19.69990	
-5.70000	96.40000	-1.8064	4.2622	1.8064	-4.2622		0.73720	-19.88420	
-5.70000	96.40000	-1.8674	4.3539	1.8674	-4.3539		0.92150	-20.06850	
-5.70000	96.40000	-1.9157	4.4559	1.9157	-4.4559		1.1058	-20.25280	
-5.70000	96.40000	-1.9493	4.5697	1.9493	-4.5697		1.2901	-20.43710	
-5.70000	96.40000	-1.9662	4.6968	1.9662	-4.6968		1.4744	-20.62140	
-5.70000	96.40000	-1.9641	4.8389	1.9641	-4.8389		1.6587	-20.80570	
-5.70000	96.40000	-1.9402	4.9980	1.9402	-4.9980		1.8430	-20.99000	
-5.70000	96.40000	-1.8915	5.1760	1.8915	-5.1760		0.0	-21.09000	
-5.70000	96.40000	-1.8261	5.3876	1.8261	-5.3876		0.13430	-21.09000	
-5.70000	96.40000	-1.7347	5.6336	1.7347	-5.6336		0.26860	-21.09000	
-5.70000	96.40000	-1.6038	5.9057	1.6038	-5.9057				
-5.70000	96.40000	29	No 7 Lyndhurst Terrace	No 7 LG - Line 21	6.0645				
-5.70000	96.40000	-1.5153	6.0645	6.0645	1.5153				
-5.56570	96.40000	-1.6811	6.1785	6.1785	1.6811				
-5.43140	96.40000	-1.8682	6.2668	6.2668	1.8682				



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Stage: z	Stage: δx	Name Specific Building: Ref.	Specific δH//	Specific Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-5.29710	96.40000	-2.0799	6.3251	6.3251	2.0799		0.40290	-21.09000	
-5.16280	96.40000	-2.3198	6.3777	6.3777	2.3198		0.53720	-21.09000	
-5.02850	96.40000	-2.5920	6.4058	6.4058	2.5920		0.67150	-21.09000	
-4.89420	96.40000	-2.9002	6.3884	6.3884	2.9002		0.80580	-21.09000	
-4.75990	96.40000	-3.2471	6.3205	6.3205	3.2471		0.94010	-21.09000	
-4.62560	96.40000	-3.6337	6.1989	6.1989	3.6337		1.0744	-21.09000	
-4.49130	96.40000	-4.0573	6.0237	6.0237	4.0573		1.2087	-21.09000	
-4.35700	96.40000	-4.5101	5.7999	5.7999	4.5101		1.3430	-21.09000	
-30.49200	96.40000	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 22	0.0	-24.32700	
-30.44414	96.40000	0.0	0.0	0.0	0.0		0.95720	-25.28300	
-30.39629	96.40000	0.0	0.0	0.0	0.0		1.9144	-26.23900	
-30.34843	96.40000	0.0	0.0	0.0	0.0		2.8716	-27.19500	
-30.30057	96.40000	0.0	0.0	0.0	0.0		3.8288	-28.15100	
-30.25271	96.40000	0.0	0.0	0.0	0.0		4.7860	-29.10700	
-30.20486	96.40000	0.0	0.0	0.0	0.0		5.7432	-30.06300	
-30.15700	96.40000	0.0	0.0	0.0	0.0		6.7004	-31.01900	
-30.15700	96.40000	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 23	0.0	-31.11900	
-29.16783	96.40000	0.0	0.0	0.0	0.0		0.98917	-31.11825	
-28.17867	96.40000	0.0	0.0	0.0	0.0		1.9783	-31.11750	
-27.18950	96.40000	0.0	0.0	0.0	0.0		2.9675	-31.11675	
-26.20033	96.40000	0.0	0.0	0.0	0.0		3.9567	-31.11600	
-25.21117	96.40000	0.0	0.0	0.0	0.0		4.9458	-31.11525	
-24.22200	96.40000	0.0	0.0	0.0	0.0		5.9350	-31.11450	
-23.23283	96.40000	0.0	0.0	0.0	0.0		6.9242	-31.11375	
-22.24367	96.40000	0.0	0.0	0.0	0.0		7.9133	-31.11300	
-21.25450	96.40000	0.0	0.0	0.0	0.0		8.9025	-31.11225	
-20.26533	96.40000	0.0	0.0	0.0	0.0		9.8917	-31.11150	
-19.27617	96.40000	0.0	0.0	0.0	0.0		10.881	-31.11075	
-18.28700	96.40000	0.0	0.0	0.0	0.0		11.870	-31.11000	
-17.29783	96.40000	0.0	0.0	0.0	0.0		12.859	-31.10925	
-16.30867	96.40000	0.0	0.0	0.0	0.0		13.848	-31.10850	
-15.31950	96.40000	0.0	0.0	0.0	0.0		14.838	-31.10775	
-14.33033	96.40000	0.0	0.0	0.0	0.0		15.827	-31.10700	
-13.34117	96.40000	0.0	0.0	0.0	0.0		16.816	-31.10625	
-12.35200	96.40000	0.0	0.0	0.0	0.0		17.805	-31.10550	
-11.36283	96.40000	0.0	0.0	0.0	0.0		18.794	-31.10475	
-10.37367	96.40000	0.0	0.0	0.0	0.0		19.783	-31.10400	
-9.38450	96.40000	0.0	0.71550	0.71550	542.50E-6		20.773	-31.10325	
							21.762	-31.10250	



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Stage: z	Stage: δx	Name Ref.	Specific δy	Specific δH//	Specific Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-8.39533	96.40000		0.0	1.7047	1.7047	0.0012925		22.751	-31.10175	
-7.40617	96.40000		0.0	2.6938	2.6938	0.0020425		23.740	-31.10100	
-6.41700	96.40000		0.0	3.6830	3.6830	0.0027925				
-6.41700	96.40000	32	0.0	3.6830	0.22052	3.6764	No 7 Lyndhurst Terrace No 7 LG - Line 24	0.0	-31.00100	
-6.35920	96.40000		0.0	3.7408	0.22398	3.7341		0.96533	-30.03740	
-6.30140	96.40000		0.0	3.8148	0.22841	3.8080		1.9307	-29.07380	
-6.24360	96.40000		0.0	3.8919	0.23303	3.8849		2.8960	-28.11020	
-6.18580	96.40000		0.0	3.9689	0.23764	3.9618		3.8613	-27.14660	
-6.12800	96.40000		0.0	4.0460	0.24226	4.0387		4.8267	-26.18300	
-6.12800	96.40000	33	0.0	4.0460	0.35257	4.0306	No 7 Lyndhurst Terrace No 7 LG - Line 25	0.0	-26.08300	
-6.04240	96.40000		0.0	4.1601	0.36251	4.1443		0.98234	-25.10440	
-5.95680	96.40000		0.0	4.2743	0.37246	4.2580		1.9647	-24.12580	
-5.87120	96.40000		0.0	4.3884	0.38240	4.3717		2.9470	-23.14720	
-5.78560	96.40000		0.0	4.5232	0.39415	4.5060		3.9293	-22.16860	
-5.70000	96.40000		0.0	4.6580	0.40590	4.6413		4.9117	-21.19000	
-40.00000	99.25000	34	-1.4142	6.2309	-0.86588	6.3305	Lyndhurst Terrace Curb Line Lyndhurst Terrace Curb Line	0.0	-1.00000	
-39.00000	99.25000		0.0	0.0	0.0	0.0		1.0000	-1.00000	
-38.00000	99.25000		0.0	0.0	0.0	0.0		2.0000	-1.00000	
-37.00000	99.25000		0.0	0.0	0.0	0.0		3.0000	-1.00000	
-36.00000	99.25000		0.0	0.0	0.0	0.0		4.0000	-1.00000	
-35.00000	99.25000		0.0	0.0	0.0	0.0		5.0000	-1.00000	
-34.00000	99.25000		0.0	0.0	0.0	0.0		6.0000	-1.00000	
-33.00000	99.25000		0.0	0.0	0.0	0.0		7.0000	-1.00000	
-32.00000	99.25000		0.0	0.0	0.0	0.0		8.0000	-1.00000	
-31.00000	99.25000		0.0	0.0	0.0	0.0		9.0000	-1.00000	
-30.00000	99.25000		0.0	0.0	0.0	0.0		10.0000	-1.00000	
-29.00000	99.25000		0.0	0.0	0.0	0.0		11.0000	-1.00000	
-28.00000	99.25000		0.0	0.0	0.0	0.0		12.0000	-1.00000	
-27.00000	99.25000		0.0	0.0	0.0	0.0		13.0000	-1.00000	
-26.00000	99.25000		0.0	0.0	0.0	0.0		14.0000	-1.00000	
-25.00000	99.25000		0.0	0.0	0.0	0.0		15.0000	-1.00000	
-24.00000	99.25000		0.0	0.0	0.0	0.0		16.0000	-1.00000	
-23.00000	99.25000		0.0	0.0	0.0	0.0		17.0000	-1.00000	
-22.00000	99.25000		0.0	0.0	0.0	0.0		18.0000	-1.00000	
-21.00000	99.25000		0.0	0.0	0.0	0.0		19.0000	-1.00000	
-20.00000	99.25000		0.0	0.0	0.0	0.0		20.0000	-1.00000	
-19.00000	99.25000		0.0	0.0	0.0	0.0		21.0000	-1.00000	
-18.00000	99.25000		0.0	0.0	0.0	0.0		22.0000	-1.00000	
-17.00000	99.25000		-0.084275	0.16688	0.16688	0.084275		23.0000	-1.00000	



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Stage: z	Stage: δx	Name δy	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-16.00000	99.25000	-0.23432	0.42559	0.42559	0.23432		24.000	-1.00000	
-15.00000	99.25000	-0.40399	0.66831	0.66831	0.40399		25.000	-1.00000	
-14.00000	99.25000	-0.59675	0.89196	0.89196	0.59675		26.000	-1.00000	
-13.00000	99.25000	-0.81669	1.0927	1.0927	0.81669		27.000	-1.00000	
-12.00000	99.25000	-1.0685	1.2661	1.2661	1.0685		28.000	-1.00000	
-11.00000	99.25000	-1.3571	1.4064	1.4064	1.3571		29.000	-1.00000	
-10.00000	99.25000	-1.6878	1.5076	1.5076	1.6878		30.000	-1.00000	
-9.00000	99.25000	-2.0309	1.5796	1.5796	2.0309		31.000	-1.00000	
-8.00000	99.25000	-2.2126	1.7209	1.7209	2.2126		32.000	-1.00000	
-7.00000	99.25000	-2.3943	1.8623	1.8623	2.3943		33.000	-1.00000	
-6.00000	99.25000	-2.5761	2.0036	2.0036	2.5761		34.000	-1.00000	
-5.00000	99.25000	-2.7578	2.1450	2.1450	2.7578		35.000	-1.00000	
-4.00000	99.25000	-3.2325	1.9262	1.9262	3.2325		36.000	-1.00000	
-3.00000	99.25000	-3.7517	1.3632	1.3632	3.7517		37.000	-1.00000	
-2.00000	99.25000	-4.2243	0.56210	0.56210	4.2243		38.000	-1.00000	
-1.00000	99.25000	-4.3964	0.23139	0.23139	4.3964		39.000	-1.00000	
0.00000	99.25000	-4.4336	0.23335	0.23335	4.4336		40.000	-1.00000	
1.00000	99.25000	-4.4708	0.23531	0.23531	4.4708		41.000	-1.00000	
2.00000	99.25000	-4.5080	0.23726	0.23726	4.5080		42.000	-1.00000	
3.00000	99.25000	-4.5452	0.23922	0.23922	4.5452		43.000	-1.00000	
4.00000	99.25000	-4.5823	0.24118	0.24118	4.5823		44.000	-1.00000	
5.00000	99.25000	-4.6195	0.24313	0.24313	4.6195		45.000	-1.00000	
6.00000	99.25000	-4.6492	0.23715	0.23715	4.6492		46.000	-1.00000	
7.00000	99.25000	-3.8952	-0.50495	-0.50495	3.8952		47.000	-1.00000	
8.00000	99.25000	-3.1021	-1.1233	-1.1233	3.1021		48.000	-1.00000	
9.00000	99.25000	-2.3868	-1.5257	-1.5257	2.3868		49.000	-1.00000	
10.00000	99.25000	-1.7920	-1.7031	-1.7031	1.7920		50.000	-1.00000	
11.00000	99.25000	-1.4026	-1.8036	-1.8036	1.4026		51.000	-1.00000	
12.00000	99.25000	-1.1078	-1.8152	-1.8152	1.1078		52.000	-1.00000	
13.00000	99.25000	-0.87219	-1.7472	-1.7472	0.87219		53.000	-1.00000	
14.00000	99.25000	-0.68144	-1.6196	-1.6196	0.68144		54.000	-1.00000	
15.00000	99.25000	-0.52490	-1.4468	-1.4468	0.52490		55.000	-1.00000	
16.00000	99.25000	-0.39468	-1.2397	-1.2397	0.39468		56.000	-1.00000	
17.00000	99.25000	-0.28500	-1.0058	-1.0058	0.28500		57.000	-1.00000	
18.00000	99.25000	-0.19153	-0.75080	-0.75080	0.19153		58.000	-1.00000	
19.00000	99.25000	-0.11106	-0.47902	-0.47902	0.11106		59.000	-1.00000	
20.00000	99.25000	-0.041130	-0.19364	-0.19364	0.041130		60.000	-1.00000	
21.00000	99.25000	0.0	0.0	0.0	0.0		61.000	-1.00000	
							62.000	-1.00000	



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Stage Ref.	Stage z	Name δx	Specific δy	Specific δH//	Specific Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
22.00000	99.25000		0.0	0.0	0.0	0.0		63.000	-1.00000	
23.00000	99.25000		0.0	0.0	0.0	0.0		64.000	-1.00000	
24.00000	99.25000		0.0	0.0	0.0	0.0		65.000	-1.00000	
25.00000	99.25000		0.0	0.0	0.0	0.0		66.000	-1.00000	
26.00000	99.25000		0.0	0.0	0.0	0.0		67.000	-1.00000	
27.00000	99.25000		0.0	0.0	0.0	0.0		68.000	-1.00000	
28.00000	99.25000		0.0	0.0	0.0	0.0		69.000	-1.00000	
29.00000	99.25000		0.0	0.0	0.0	0.0		70.000	-1.00000	
30.00000	99.25000		0.0	0.0	0.0	0.0				

Specific Building Damage Results - Vertical Displacements

Stage y	Stage z	Name δz	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset [m]	Dist. [m]	x [m]
0	Base Model	1		No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	0.0	
-31.74200	10.69900	98.25000		0.0			0.53328	
-31.71650	11.23167	98.25000		0.0			1.0666	
-31.69100	11.76433	98.25000		0.0			1.5998	
-31.66550	12.29700	98.25000		0.0			2.1331	
-31.64000	12.82967	98.25000		0.0			2.6664	
-31.61450	13.36233	98.25000		0.0			3.1997	
-31.58900	13.89500	98.25000		0.0				
-31.58900	13.89500	98.25000	2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	0.0	
				0.0			0.50397	
-31.08560	13.87100	98.25000		0.0			1.0079	
-30.58220	13.84700	98.25000		0.0			1.5119	
-30.07880	13.82300	98.25000		0.0			2.0159	
-29.57540	13.79900	98.25000		0.0			2.5199	
-29.07200	13.77500	98.25000		0.0				
-29.07200	13.77500	98.25000	3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	0.0	
				0.0			0.48725	
-29.04869	14.26169	98.25000		0.0			0.97449	
-29.02538	14.74838	98.25000		0.0			1.4617	
-29.00206	15.23506	98.25000		0.0			1.9490	
-28.97875	15.72175	98.25000		0.0			2.4362	
-28.95544	16.20844	98.25000		0.0			2.9235	
-28.93212	16.69513	98.25000		0.0			3.4107	
-28.90881	17.18181	98.25000		0.0			3.8980	
-28.88550	17.66850	98.25000		0.0			4.3852	
-28.86219	18.15519	98.25000		0.0			4.8725	
-28.83888	18.64187	98.25000		0.0			5.3597	



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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Ref.	Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-28.81556	19.12856	98.25000	0.0				5.8469	
-28.79225	19.61525	98.25000	0.0				6.3342	
-28.76894	20.10194	98.25000	0.0				6.8214	
-28.74563	20.58863	98.25000	0.0				7.3087	
-28.72231	21.07531	98.25000	0.0				7.7959	
-28.69900	21.56200	98.25000	0.0					
-28.69900	21.56200	98.25000	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	0.0	
-28.91650	21.60100	98.25000	0.0				0.22097	
-29.13400	21.64000	98.25000	0.0				0.44194	
-29.13400	21.64000	98.25000	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	0.0	
-29.10900	22.16333	98.25000	0.0				0.52393	
-29.08400	22.68667	98.25000	0.0				1.0479	
-29.05900	23.21000	98.25000	0.0				1.5718	
-29.03400	23.73333	98.25000	0.0				2.0957	
-29.00900	24.25667	98.25000	0.0				2.6197	
-28.98400	24.78000	98.25000	0.0				3.1436	
-28.98400	24.78000	98.25000	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	0.0	
-28.48029	24.75592	98.25000	0.0				0.50429	
-27.97658	24.73184	98.25000	0.0				1.0086	
-27.47287	24.70776	98.25000	0.0				1.5129	
-26.96916	24.68368	98.25000	0.0				2.0171	
-26.46545	24.65961	98.25000	0.0				2.5214	
-25.96174	24.63553	98.25000	0.0				3.0257	
-25.45803	24.61145	98.25000	0.0				3.5300	
-24.95432	24.58737	98.25000	0.0				4.0343	
-24.45061	24.56329	98.25000	0.0				4.5386	
-23.94689	24.53921	98.25000	0.0				5.0429	
-23.44318	24.51513	98.25000	0.0				5.5471	
-22.93947	24.49105	98.25000	0.0				6.0514	
-22.43576	24.46697	98.25000	0.0				6.5557	
-21.93205	24.44289	98.25000	0.0				7.0600	
-21.42834	24.41882	98.25000	0.0				7.5643	
-20.92463	24.39474	98.25000	0.0				8.0686	
-20.42092	24.37066	98.25000	0.0				8.5729	
-19.91721	24.34658	98.25000	0.0				9.0771	
-19.41350	24.32250	98.25000	0.0				9.5814	
-18.90979	24.29842	98.25000	0.0				10.086	
-18.40608	24.27434	98.25000	0.0				10.590	
-17.90237	24.25026	98.25000	0.0				11.094	



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Stage: y	Stage: z	Name Specific δz Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-17.39866	24.22618	98.25000	0.0			11.599	
-16.89495	24.20211	98.25000	0.0			12.103	
-16.39124	24.17803	98.25000	0.0			12.607	
-15.88753	24.15395	98.25000	0.0			13.111	
-15.38382	24.12987	98.25000	0.0			13.616	
-14.88011	24.10579	98.25000	0.0			14.120	
-14.37639	24.08171	98.25000	0.0			14.624	
-13.87268	24.05763	98.25000	0.0			15.129	
-13.36897	24.03355	98.25000	0.0			15.633	
-12.86526	24.00947	98.25000	0.0			16.137	
-12.36155	23.98539	98.25000	0.0			16.641	
-11.85784	23.96132	98.25000	0.0			17.146	
-11.35413	23.93724	98.25000	0.0			17.650	
-10.85042	23.91316	98.25000	0.0			18.154	
-10.34671	23.88908	98.25000	0.0			18.659	
-9.84300	23.86500	98.25000	0.0			19.163	
-9.84300	23.86500	98.25000	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	0.0
-9.86721	23.35857	98.25000	0.0			0.50701	
-9.89143	22.85214	98.25000	0.0			1.0140	
-9.91564	22.34571	98.25000	0.0			1.5210	
-9.93986	21.83929	98.25000	0.0			2.0280	
-9.96407	21.33286	98.25000	0.0			2.5350	
-9.98829	20.82643	98.25000	0.0			3.0420	
-10.01250	20.32000	98.25000	0.0			3.5490	
-10.03671	19.81357	98.25000	0.0			4.0561	
-10.06093	19.30714	98.25000	0.0			4.5631	
-10.08514	18.80071	98.25000	0.0			5.0701	
-10.10936	18.29429	98.25000	0.0			5.5771	
-10.13357	17.78786	98.25000	0.0			6.0841	
-10.15779	17.28143	98.25000	0.0			6.5911	
-10.18200	16.77500	98.25000	0.0			7.0981	
-10.20621	16.26857	98.25000	0.0			7.6051	
-10.23043	15.76214	98.25000	0.0			8.1121	
-10.25464	15.25571	98.25000	0.0			8.6191	
-10.27886	14.74929	98.25000	0.0			9.1261	
-10.30307	14.24286	98.25000	0.0			9.6331	
-10.32729	13.73643	98.25000	0.0			10.140	
-10.35150	13.23000	98.25000	0.0			10.647	
						11.154	



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-10.37571	12.72357	98.25000	0.0				11.661	
-10.39993	12.21714	98.25000	0.0				12.168	
-10.42414	11.71071	98.25000	0.0069409				12.675	
-10.44836	11.20429	98.25000	0.031112				13.182	
-10.47257	10.69786	98.25000	0.061097				13.689	
-10.49679	10.19143	98.25000	0.11230				14.196	
-10.52100	9.68500	98.25000	0.19643					
-10.52100	9.68500	98.25000	0.19643	No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	0.0	
-11.02626	9.70914	98.25000	0.19154				0.50584	
-11.53152	9.73329	98.25000	0.18674				1.0117	
-12.03679	9.75743	98.25000	0.18203				1.5175	
-12.54205	9.78157	98.25000	0.17742				2.0234	
-13.04731	9.80571	98.25000	0.17290				2.5292	
-13.55257	9.82986	98.25000	0.16846				3.0350	
-14.05783	9.85400	98.25000	0.16412				3.5409	
-14.56310	9.87814	98.25000	0.15987				4.0467	
-15.06836	9.90229	98.25000	0.15570				4.5525	
-15.57362	9.92643	98.25000	0.15162				5.0584	
-16.07888	9.95057	98.25000	0.14763				5.5642	
-16.58414	9.97471	98.25000	0.14372				6.0701	
-17.08940	9.99886	98.25000	0.13989				6.5759	
-17.59467	10.02300	98.25000	0.13615				7.0817	
-18.09993	10.04714	98.25000	0.13243				7.5876	
-18.60519	10.07129	98.25000	0.11358				8.0934	
-19.11045	10.09543	98.25000	0.090085				8.5993	
-19.61571	10.11957	98.25000	0.066390				9.1051	
-20.12098	10.14371	98.25000	0.045763				9.6109	
-20.62624	10.16786	98.25000	0.029652				10.117	
-21.13150	10.19200	98.25000	0.017665				10.623	
-21.63676	10.21614	98.25000	0.0078921				11.128	
-22.14202	10.24029	98.25000	0.0				11.634	
-22.64729	10.26443	98.25000	0.0				12.140	
-23.15255	10.28857	98.25000	0.0				12.646	
-23.65781	10.31271	98.25000	0.0				13.152	
-24.16307	10.33686	98.25000	0.0				13.658	
-24.66833	10.36100	98.25000	0.0				14.163	
-25.17360	10.38514	98.25000	0.0				14.669	
-25.67886	10.40929	98.25000	0.0				15.175	
-26.18412	10.43343	98.25000	0.0				15.681	



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-26.68938	10.45757	98.25000	0.0			16.187	
-27.19464	10.48171	98.25000	0.0			16.693	
-27.69990	10.50586	98.25000	0.0			17.199	
-28.20517	10.53000	98.25000	0.0			17.704	
-28.71043	10.55414	98.25000	0.0			18.210	
-29.21569	10.57829	98.25000	0.0			18.716	
-29.72095	10.60243	98.25000	0.0			19.222	
-30.22621	10.62657	98.25000	0.0			19.728	
-30.73148	10.65071	98.25000	0.0			20.234	
-31.23674	10.67486	98.25000	0.0			20.739	
-31.74200	10.69900	98.25000	0.0			21.245	
-20.99000	-4.35700	96.40000	0.23075	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	0.0
-19.96650	-4.35313	96.40000	0.092889			1.0235	
-18.94300	-4.34925	96.40000	0.088129			2.0470	
-17.91950	-4.34537	96.40000	0.088995			3.0705	
-16.89600	-4.34150	96.40000	0.090241			4.0940	
-15.87250	-4.33763	96.40000	0.092872			5.1175	
-14.84900	-4.33375	96.40000	0.10164			6.1410	
-13.82550	-4.32987	96.40000	0.12551			7.1646	
-12.80200	-4.32600	96.40000	0.20989			8.1881	
-12.70200	-4.32600	96.40000	0.22840	No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	0.0
-12.70080	-5.41040	96.40000	0.40072			1.0844	
-12.69960	-6.49480	96.40000	0.35391			2.1688	
-12.69840	-7.57920	96.40000	0.16900			3.2532	
-12.69720	-8.66360	96.40000	0.048774			4.3376	
-12.69600	-9.74800	96.40000	0.0084623			5.4220	
-12.69600	-9.84800	96.40000	0.0032289	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	0.0
-11.76100	-9.84800	96.40000	0.013767			0.93500	
-10.82600	-9.84800	96.40000	0.016712			1.8700	
-9.89100	-9.84800	96.40000	0.016712			2.8050	
-9.89100	-9.94800	96.40000	0.011499	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	0.0
-9.87383	-10.90233	96.40000	0.0			0.95449	
-9.85667	-11.85667	96.40000	0.0			1.9090	
-9.83950	-12.81100	96.40000	0.0			2.8635	
-9.82233	-13.76533	96.40000	0.0			3.8180	
-9.80517	-14.71967	96.40000	0.0			4.7724	
-9.78800	-15.67400	96.40000	0.0			5.7269	
-9.78800	-15.77400	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	0.0
						0.98400	



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-10.77200	-15.77400	96.40000	0.0			1.9680	
-11.75600	-15.77400	96.40000	0.0			2.9520	
-12.74000	-15.77400	96.40000	0.0				
-12.74000	-15.87400	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	0.0
-12.79640	-16.82340	96.40000	0.0			0.95107	
-12.85280	-17.77280	96.40000	0.0			1.9021	
-12.90920	-18.72220	96.40000	0.0			2.8532	
-12.96560	-19.67160	96.40000	0.0			3.8043	
-13.02200	-20.62100	96.40000	0.0			4.7554	
-13.07840	-21.57040	96.40000	0.0			5.7064	
-13.13480	-22.51980	96.40000	0.0			6.6575	
-13.19120	-23.46920	96.40000	0.0			7.6086	
-13.24760	-24.41860	96.40000	0.0			8.5597	
-13.30400	-25.36800	96.40000	0.0			9.5107	
-13.36040	-26.31740	96.40000	0.0			10.462	
-13.41680	-27.26680	96.40000	0.0			11.413	
-13.47320	-28.21620	96.40000	0.0			12.364	
-13.52960	-29.16560	96.40000	0.0			13.315	
-13.58600	-30.11500	96.40000	0.0			14.266	
-13.58600	-30.21500	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	0.0
-14.64010	-30.24270	96.40000	0.0			1.0545	
-15.69420	-30.27040	96.40000	0.0			2.1089	
-16.74830	-30.29810	96.40000	0.0			3.1634	
-17.80240	-30.32580	96.40000	0.0			4.2179	
-18.85650	-30.35350	96.40000	0.0			5.2723	
-19.91060	-30.38120	96.40000	0.0			6.3268	
-20.96470	-30.40890	96.40000	0.0			7.3812	
-22.01880	-30.43660	96.40000	0.0			8.4357	
-23.07290	-30.46430	96.40000	0.0			9.4902	
-24.12700	-30.49200	96.40000	0.0			10.545	
-24.22700	-30.49200	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	0.0
-24.23400	-29.47300	96.40000	0.0			1.0190	
-24.24100	-28.45400	96.40000	0.0			2.0380	
-24.34100	-28.45400	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	0.0
-25.07050	-28.46000	96.40000	0.0			0.72952	
-25.07050	-28.46000	96.40000	0.0			1.4590	
-25.80000	-28.46600	96.40000	0.0				
-25.90000	-28.46600	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	0.0
-25.90950	-27.11950	96.40000	0.0			1.3465	
-25.91900	-25.77300	96.40000	0.0			2.6931	



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-25.81900	-25.77300	19 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 11	0.0	0.0	
-25.08950	-25.76700	96.40000	0.0			0.72952	
-24.36000	-25.76100	20 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 12	0.0	0.0	
-24.26000	-25.76100	96.40000	0.0			0.99331	
-24.26700	-24.76771	96.40000	0.0			1.9866	
-24.27400	-23.77443	96.40000	0.0			2.9799	
-24.28100	-22.78114	96.40000	0.0			3.9732	
-24.28800	-21.78786	96.40000	0.0			4.9666	
-24.29500	-20.79457	96.40000	0.0			5.9599	
-24.30200	-19.80129	96.40000	0.0			6.9532	
-24.30900	-18.80800	21 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 13	0.0	0.0	
-24.30900	-18.70800	96.40000	0.0			0.92900	
-25.23800	-18.70800	96.40000	0.0			1.8580	
-26.16700	-18.70800	22 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 14	0.0	0.0	
-26.26700	-18.70800	96.40000	0.0			0.84069	
-26.76633	-18.03167	96.40000	0.0			1.6814	
-27.26567	-17.35533	96.40000	0.0			2.5221	
-27.76500	-16.67900	23 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 15	0.0	0.0	
-27.76500	-16.57900	96.40000	0.0			1.0829	
-27.72513	-15.49688	96.40000	0.0			2.1657	
-27.68525	-14.41475	96.40000	0.0			3.2486	
-27.64538	-13.33263	96.40000	0.0			4.3314	
-27.60550	-12.25050	96.40000	0.0			5.4143	
-27.56563	-11.16838	96.40000	0.0			6.4972	
-27.52575	-10.08625	96.40000	0.0			7.5800	
-27.48588	-9.00413	96.40000	0.0			8.6629	
-27.44600	-7.92200	24 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 16	0.0	0.0	
-27.44600	-7.82200	96.40000	0.0			0.58950	
-26.85650	-7.82150	96.40000	0.0			1.1790	
-26.26700	-7.82100	25 96.40000	No 7 Lyndhurst Terrace 0.0	No 7 LG - Line 17	0.0	0.0	
-26.16700	-7.82100	96.40000	0.0			0.093000	
-26.16710	-7.72800	96.40000	0.0			0.18600	
-26.16720	-7.63500	96.40000	0.0			0.27900	
-26.16730	-7.54200	96.40000	0.0			0.37200	
-26.16740	-7.44900	96.40000	0.0			0.46500	
-26.16750	-7.35600	96.40000	0.0			0.55800	
-26.16760	-7.26300	96.40000	0.0			0.65100	
-26.16770	-7.17000	96.40000	0.0			0.74400	



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-26.16780	-7.07700	96.40000	0.0				0.83700	
-26.16790	-6.98400	96.40000	0.0				0.93000	
-26.16800	-6.89100	96.40000	0.0					
-26.06800	-6.89100	26 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	0.0	
-25.07929	-6.89000	96.40000	0.0				0.98871	
-24.09057	-6.88900	96.40000	0.0				1.9774	
-23.10186	-6.88800	96.40000	0.0				2.9661	
-22.11314	-6.88700	96.40000	0.0				3.9549	
-21.12443	-6.88600	96.40000	0.0				4.9436	
-20.13571	-6.88500	96.40000	0.0				5.9323	
-19.14700	-6.88400	96.40000	0.0				6.9210	
-19.04700	-6.88400	27 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	0.0	
-19.04700	-6.76560	96.40000	0.0				0.11840	
-19.04700	-6.64720	96.40000	0.0				0.23680	
-19.04700	-6.52880	96.40000	0.0				0.35520	
-19.04700	-6.41040	96.40000	0.0				0.47360	
-19.04700	-6.29200	96.40000	0.0				0.59200	
-19.04700	-6.17360	96.40000	0.0				0.71040	
-19.04700	-6.05520	96.40000	0.0				0.82880	
-19.04700	-5.93680	96.40000	0.0				0.94720	
-19.04700	-5.81840	96.40000	0.0				1.0656	
-19.04700	-5.70000	96.40000	0.0				1.1840	
-19.14700	-5.70000	28 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	0.0	
-19.33130	-5.70000	96.40000	0.0				0.18430	
-19.51560	-5.70000	96.40000	0.0				0.36860	
-19.69990	-5.70000	96.40000	0.0				0.55290	
-19.88420	-5.70000	96.40000	0.0				0.73720	
-20.06850	-5.70000	96.40000	0.0				0.92150	
-20.25280	-5.70000	96.40000	0.0				1.1058	
-20.43710	-5.70000	96.40000	0.0				1.2901	
-20.62140	-5.70000	96.40000	0.0041238				1.4744	
-20.80570	-5.70000	96.40000	0.0098262				1.6587	
-20.99000	-5.70000	96.40000	0.015154				1.8430	
-21.09000	-5.70000	29 96.40000	0.018218	No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	0.0	
-21.09000	-5.56570	96.40000	0.025928				0.13430	
-21.09000	-5.43140	96.40000	0.036065				0.26860	
-21.09000	-5.29710	96.40000	0.049024				0.40290	
-21.09000	-5.16280	96.40000	0.069757				0.53720	
-21.09000	-5.02850	96.40000	0.094365				0.67150	



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-21.09000	-4.89420	96.40000	0.12144				0.80580	
-21.09000	-4.75990	96.40000	0.15185				0.94010	
-21.09000	-4.62560	96.40000	0.18586				1.0744	
-21.09000	-4.49130	96.40000	0.22323				1.2087	
-21.09000	-4.35700	96.40000	0.26340				1.3430	
-24.32700	-30.49200	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	0.0	
-25.28300	-30.44414	96.40000	0.0				0.95720	
-26.23900	-30.39629	96.40000	0.0				1.9144	
-27.19500	-30.34843	96.40000	0.0				2.8716	
-28.15100	-30.30057	96.40000	0.0				3.8288	
-29.10700	-30.25271	96.40000	0.0				4.7860	
-30.06300	-30.20486	96.40000	0.0				5.7432	
-31.01900	-30.15700	96.40000	0.0				6.7004	
-31.11900	-30.15700	96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	0.0	
-31.11825	-29.16783	96.40000	0.0				0.98917	
-31.11750	-28.17867	96.40000	0.0				1.9783	
-31.11675	-27.18950	96.40000	0.0				2.9675	
-31.11600	-26.20033	96.40000	0.0				3.9567	
-31.11525	-25.21117	96.40000	0.0				4.9458	
-31.11450	-24.22200	96.40000	0.0				5.9350	
-31.11375	-23.23283	96.40000	0.0				6.9242	
-31.11300	-22.24367	96.40000	0.0				7.9133	
-31.11225	-21.25450	96.40000	0.0				8.9025	
-31.11150	-20.26533	96.40000	0.0				9.8917	
-31.11075	-19.27617	96.40000	0.0				10.881	
-31.11000	-18.28700	96.40000	0.0				11.870	
-31.10925	-17.29783	96.40000	0.0				12.859	
-31.10850	-16.30867	96.40000	0.0				13.848	
-31.10775	-15.31950	96.40000	0.0				14.838	
-31.10700	-14.33033	96.40000	0.0				15.827	
-31.10625	-13.34117	96.40000	0.0				16.816	
-31.10550	-12.35200	96.40000	0.0				17.805	
-31.10475	-11.36283	96.40000	0.0				18.794	
-31.10400	-10.37367	96.40000	0.0				19.783	
-31.10325	-9.38450	96.40000	0.0				20.773	
-31.10250	-8.39533	96.40000	0.0				21.762	
-31.10175	-7.40617	96.40000	0.0				22.751	
-31.10100	-6.41700	96.40000	0.0				23.740	
		32		No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	0.0	



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Stage: y	Stage: z	Name	Specific Building: Ref.	Specific Building: Ref.	Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-31.00100	-6.41700	96.40000	0.0					0.96533	
-30.03740	-6.35920	96.40000	0.0					1.9307	
-29.07380	-6.30140	96.40000	0.0029315					2.8960	
-28.11020	-6.24360	96.40000	0.0058547					3.8613	
-27.14660	-6.18580	96.40000	0.0085533					4.8267	
-26.18300	-6.12800	96.40000	0.011207						
-26.08300	-6.12800	96.40000	0.011207	33	No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	0.0	
-25.10440	-6.04240	96.40000	0.015413					0.98234	
-24.12580	-5.95680	96.40000	0.020402					1.9647	
-23.14720	-5.87120	96.40000	0.026638					2.9470	
-22.16860	-5.78560	96.40000	0.034539					3.9293	
-21.19000	-5.70000	96.40000	0.021468					4.9117	
-1.00000	-40.00000	99.25000	0.0	34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	0.0	
-1.00000	-39.00000	99.25000	0.0					1.0000	
-1.00000	-38.00000	99.25000	0.0					2.0000	
-1.00000	-37.00000	99.25000	0.0					3.0000	
-1.00000	-36.00000	99.25000	0.0					4.0000	
-1.00000	-35.00000	99.25000	0.0					5.0000	
-1.00000	-34.00000	99.25000	0.0					6.0000	
-1.00000	-33.00000	99.25000	0.0					7.0000	
-1.00000	-32.00000	99.25000	0.0					8.0000	
-1.00000	-31.00000	99.25000	0.0					9.0000	
-1.00000	-30.00000	99.25000	0.0					10.0000	
-1.00000	-29.00000	99.25000	0.0					11.0000	
-1.00000	-28.00000	99.25000	0.0					12.0000	
-1.00000	-27.00000	99.25000	0.0					13.0000	
-1.00000	-26.00000	99.25000	0.0					14.0000	
-1.00000	-25.00000	99.25000	0.0					15.0000	
-1.00000	-24.00000	99.25000	0.0					16.0000	
-1.00000	-23.00000	99.25000	0.0					17.0000	
-1.00000	-22.00000	99.25000	0.0					18.0000	
-1.00000	-21.00000	99.25000	0.0					19.0000	
-1.00000	-20.00000	99.25000	0.0					20.0000	
-1.00000	-19.00000	99.25000	0.0					21.0000	
-1.00000	-18.00000	99.25000	0.0					22.0000	
-1.00000	-17.00000	99.25000	0.0					23.0000	
-1.00000	-16.00000	99.25000	0.0					24.0000	
-1.00000	-15.00000	99.25000	0.0					25.0000	
-1.00000	-14.00000	99.25000	0.0					26.0000	



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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-1.00000	-13.00000	99.25000	0.0			27.000	
-1.00000	-12.00000	99.25000	0.0			28.000	
-1.00000	-11.00000	99.25000	0.0			29.000	
-1.00000	-10.00000	99.25000	0.0			30.000	
-1.00000	-9.00000	99.25000	0.0			31.000	
-1.00000	-8.00000	99.25000	0.0			32.000	
-1.00000	-7.00000	99.25000	0.0			33.000	
-1.00000	-6.00000	99.25000	0.0			34.000	
-1.00000	-5.00000	99.25000	0.0			35.000	
-1.00000	-4.00000	99.25000	0.026132			36.000	
-1.00000	-3.00000	99.25000	0.048478			37.000	
-1.00000	-2.00000	99.25000	0.065562			38.000	
-1.00000	-1.00000	99.25000	0.071245			39.000	
-1.00000	0.00000	99.25000	0.075952			40.000	
-1.00000	1.00000	99.25000	0.080940			41.000	
-1.00000	2.00000	99.25000	0.086222			42.000	
-1.00000	3.00000	99.25000	0.091811			43.000	
-1.00000	4.00000	99.25000	0.097720			44.000	
-1.00000	5.00000	99.25000	0.10396			45.000	
-1.00000	6.00000	99.25000	0.11054			46.000	
-1.00000	7.00000	99.25000	0.10135			47.000	
-1.00000	8.00000	99.25000	0.070084			48.000	
-1.00000	9.00000	99.25000	0.037143			49.000	
-1.00000	10.00000	99.25000	0.0065874			50.000	
-1.00000	11.00000	99.25000	0.0			51.000	
-1.00000	12.00000	99.25000	0.0			52.000	
-1.00000	13.00000	99.25000	0.0			53.000	
-1.00000	14.00000	99.25000	0.0			54.000	
-1.00000	15.00000	99.25000	0.0			55.000	
-1.00000	16.00000	99.25000	0.0			56.000	
-1.00000	17.00000	99.25000	0.0			57.000	
-1.00000	18.00000	99.25000	0.0			58.000	
-1.00000	19.00000	99.25000	0.0			59.000	
-1.00000	20.00000	99.25000	0.0			60.000	
-1.00000	21.00000	99.25000	0.0			61.000	
-1.00000	22.00000	99.25000	0.0			62.000	
-1.00000	23.00000	99.25000	0.0			63.000	
-1.00000	24.00000	99.25000	0.0			64.000	
-1.00000						65.000	



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Stage: y	Stage: z	Name Specific δz	Specific Building: Name	Sub-building Name	Vertical Dist.	x
Ref.		Building: Ref.			Offset	
-1.00000	25.00000	99.25000	0.0		66.000	
-1.00000	26.00000	99.25000	0.0		67.000	
-1.00000	27.00000	99.25000	0.0		68.000	
-1.00000	28.00000	99.25000	0.0		69.000	
-1.00000	29.00000	99.25000	0.0		70.000	
-1.00000	30.00000	99.25000	0.0			

Specific Building Damage Results - Detail

Stage: Segment	Stage: Start	Name Length	Specific Curvature	Specific Building: Deflection	Name Average	Sub-building Name Max	Max Gradient	Vertical Max Gradient	Offset Min
Damage Category	Ref.	Horizontal	Tensile	of	of Vertical	Radius of			from Line for
Ratio	Strain	Strain	Horizontal	Displacement	Curvature				Vertical Movement Calculations
Displacement	Curve								[m]
[m]	[m]		[%]	[%]	[%]				[m]
0	Base Model	1	No	11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1			0.0 All
vertical displacements are less than the limit sensitivity.									
		2	No	11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2			0.0 All
vertical displacements are less than the limit sensitivity.									
		3	No	11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3			0.0 All
vertical displacements are less than the limit sensitivity.									
		4	No	11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4			0.0 All
vertical displacements are less than the limit sensitivity.									
		5	No	11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5			0.0 All
vertical displacements are less than the limit sensitivity.									
		6	No	11 Lyndhurst Terrace	No 11 LG - Line 6	No 11 LG - Line 6			0.0 All
vertical displacements are less than the limit sensitivity.									
13.689	0.50681	None		0.0	0.070672	0.070672	-706.22E-6	-165.81E-6	7178.8 1 (Very Slight)
0.0	6.5848	None	28.492E-6	-0.0061281	0.0012257	676.48E-6	9.6748E-6	2.6266E+6	0 (Negligible)
vertical displacements are less than the limit sensitivity.									
6.5848	1.5086	None	662.11E-6	0.0021516	0.0023107	-103.83E-6	46.442E-6	29399.0	0 (Negligible)
0.0	8.1880	None	0.0016755	0.10451	0.10567	-0.0017130	134.58E-6	6360.8	2 (Slight)
0.0	3.0995	None	0.0059187	0.055816	0.057440	-884.99E-6	170.36E-6	4915.0	1 (Very Slight)
3.0995	0.15368	None	0.0	0.088578	0.088578	-0.0010770	170.36E-6	66224.2	2 (Slight)
vertical displacements are less than the limit sensitivity.									
		11	No	7 Lyndhurst Terrace	No 7 LG - Line 3	No 7 LG - Line 3			0.0 All
vertical displacements are less than the limit sensitivity.									
		12	No	7 Lyndhurst Terrace	No 7 LG - Line 4	No 7 LG - Line 4			0.0 All
vertical displacements are less than the limit sensitivity.									
		13	No	7 Lyndhurst Terrace	No 7 LG - Line 5	No 7 LG - Line 5			0.0 All
vertical displacements are less than the limit sensitivity.									
		14	No	7 Lyndhurst Terrace	No 7 LG - Line 6	No 7 LG - Line 6			0.0 All
vertical displacements are less than the limit sensitivity.									
		15	No	7 Lyndhurst Terrace	No 7 LG - Line 7	No 7 LG - Line 7			0.0 All
vertical displacements are less than the limit sensitivity.									
		16	No	7 Lyndhurst Terrace	No 7 LG - Line 8	No 7 LG - Line 8			0.0 All
vertical displacements are less than the limit sensitivity.									
		17	No	7 Lyndhurst Terrace	No 7 LG - Line 9	No 7 LG - Line 9			0.0 All
vertical displacements are less than the limit sensitivity.									
		18	No	7 Lyndhurst Terrace	No 7 LG - Line 10	No 7 LG - Line 10			0.0 All
vertical displacements are less than the limit sensitivity.									
		19	No	7 Lyndhurst Terrace	No 7 LG - Line 11	No 7 LG - Line 11			0.0 All
vertical displacements are less than the limit sensitivity.									
		20	No	7 Lyndhurst Terrace	No 7 LG - Line 12	No 7 LG - Line 12			0.0 All
vertical displacements are less than the limit sensitivity.									
		21	No	7 Lyndhurst Terrace	No 7 LG - Line 13	No 7 LG - Line 13			0.0 All
vertical displacements are less than the limit sensitivity.									
		22	No	7 Lyndhurst Terrace	No 7 LG - Line 14	No 7 LG - Line 14			0.0 All



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Stage:	Stage:	Name	Specific	Specific	Building:	Name	Sub-building	Name	Vertical	Offset		
Segment	Start	Length	Curvature	Deflection	Average	Max	Max	Max	Max	Min		
Damage Category	Ref.	Building:								from	Line	for
			vertical displacements are less than the limit sensitivity.									
	23	No 7 Lyndhurst Terrace			No 7 LG - Line 15				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	24	No 7 Lyndhurst Terrace			No 7 LG - Line 16				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	25	No 7 Lyndhurst Terrace			No 7 LG - Line 17				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	26	No 7 Lyndhurst Terrace			No 7 LG - Line 18				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	27	No 7 Lyndhurst Terrace			No 7 LG - Line 19				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	28	No 7 Lyndhurst Terrace			No 7 LG - Line 20				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	29	No 7 Lyndhurst Terrace			No 7 LG - Line 21				0.0		1	
0.80580	0.53720	None	0.0012226	-0.10955	0.021921	0.0016690	-299.61E-6	5167.0	0	(Negligible)		
			vertical displacements are less than the limit sensitivity.						0.0	All		
	30	No 7 Lyndhurst Terrace			No 7 LG - Line 22				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	31	No 7 Lyndhurst Terrace			No 7 LG - Line 23				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	32	No 7 Lyndhurst Terrace			No 7 LG - Line 24				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	33	No 7 Lyndhurst Terrace			No 7 LG - Line 25				0.0	All		
			vertical displacements are less than the limit sensitivity.									
	34	Lyndhurst Terrace Curb Line			Lyndhurst Terrace Curb Line				0.0		1	
45.000	2.0000	None	390.82E-6	-0.037404	0.0074810	742.66E-6	31.281E-6	64880.0	0	(Negligible)		
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.												

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Building

Stage:	Stage:	Name	Specific	Specific	Building:	Name	Sub-building	Name	Vertical	Deflection	
Average	Max	Slope	Max	Max	Max	Max	Gradient of	Max	Gradient of	Min	
Category	Ref.	Building:								Offset from	Ratio
Horizontal	Settlement	Tensile	Horizontal	Vertical	of	of	Line	for	Vertical	Movement	
Strain	Ref.	Strain	Displacement	Displacement	Curvature	Curvature	Calculations	[m]	[%]		
Curve	Curve	(Hogging)	(Sagging)								
[%]	[mm]	[%]	[m]	[m]	[m]	[m]	[m]	[m]	[%]		
0	Base Model	7	No 11 Lyndhurst Terrace	No 11 LG - Line 7				0.0	0.0		
0.070672	-165.81E-6	0.19639	0.070672	-706.22E-6	-165.81E-6	-	-	- 1	(Very Slight)		
		8	No 11 Lyndhurst Terrace	No 11 LG - Line 8				0.0	662.11E-6		
-0.0061281	46.442E-6	0.19643	0.0023107	676.48E-6	46.442E-6	-	-	- 0			
		9	No 7 Lyndhurst Terrace	No 7 LG - Line 1				0.0	0.0016755		
0.10451	134.58E-6	0.23075	0.10567	-0.0017130	134.58E-6	-	-	- 2	(Slight)		
		10	No 7 Lyndhurst Terrace	No 7 LG - Line 2				0.0	0.0059187		
0.088578	170.36E-6	0.40022	0.088578	-0.0010770	170.36E-6	-	-	- 2	(Slight)		
		29	No 7 Lyndhurst Terrace	No 7 LG - Line 21				0.0	0.0012226		
-0.10955	-299.61E-6	0.26340	0.021921	0.0016690	-299.61E-6	-	-	- 0	(Negligible)		
		34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line				0.0	390.82E-6		
-0.037404	31.281E-6	0.11047	0.0074810	742.66E-6	31.281E-6	-	-	- 0	(Negligible)		

Specific Building Damage Results - Critical Segments within Each Building

Stage:	Stage:	Name	Specific	Specific	Building:	Name	Parameter	Critical	
Building	Critical	Start	End	Curvature	Max	Slope	Max	Min	
Category	Ref.	Building:						Max	Min
Segment	Ref.	Settlement	Tensile	Radius of	Radius of	Damage			
Strain	Curvature	Curvature							
(Hogging)	(Sagging)								
[m]	[m]	[mm]	[%]	[m]	[m]				
0	Base Model	0	No 11 Lyndhurst Terrace	Max Slope				No 11 LG - Line 7	
1	13.689	14.196	None	165.81E-6	0.19639	0.070672	-	- 1 (Very Slight)	



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Stage: Building Category	Stage: Ref.	Name: Building:	Specific Start	Specific End	Specific Building: Name	Specific Building: Curvature	Specific Building: Max Slope	Parameter Max	Parameter Min	Critical Sub-Damage
1	0.0	6.5848	None	9.6748E-6	0.19643	0.0012257	Max Settlement	-	0	No 11 LG - Line 8 (Negligible)
1	13.689	14.196	None	165.81E-6	0.19639	0.070672	Max Tensile Strain	-	1	No 11 LG - Line 7 (Very Slight)
-	-	-	-	-	-	-	Min Radius of Curvature	-	-	(Hogging)
-	-	-	-	-	-	-	Min Radius of Curvature	-	-	(Sagging)
1	0.80580	1.3430	None	299.61E-6	0.26340	0.021921	Max Slope	-	0	No 7 LG - Line 21 (Negligible)
1	0.0	3.0995	None	170.36E-6	0.40022	0.057440	Max Settlement	-	1	No 7 LG - Line 2 (Very Slight)
1	0.0	8.1880	None	134.58E-6	0.23075	0.10567	Max Tensile Strain	-	2	No 7 LG - Line 1 (Slight)
-	-	-	-	-	-	-	Min Radius of Curvature	-	-	(Hogging)
-	-	-	-	-	-	-	Min Radius of Curvature	-	-	(Sagging)
Curb Line	1	0	45.000	47.000	None	31.281E-6	Max Slope	0.11047	0.0074810	Lyndhurst Terrace - 0 (Negligible)
Curb Line	1	0	45.000	47.000	None	31.281E-6	Max Settlement	0.11047	0.0074810	Lyndhurst Terrace - 0 (Negligible)
Curb Line	1	0	45.000	47.000	None	31.281E-6	Max Tensile Strain	0.11047	0.0074810	Lyndhurst Terrace - 0 (Negligible)
-	-	-	-	-	-	-	Min Radius of Curvature	-	-	(Hogging)
-	-	-	-	-	-	-	Min Radius of Curvature	-	-	(Sagging)

Specific Building Damage Results - All Combined Segments

Stage: Start Ref.	Stage: Length	Name: Building:	Specific Curvature	Specific Building: Deflection	Specific Building: Max Average	Sub-building Name	Vertical Offset from	Combined Segment
Ratio	Horizontal	Tensile	Ref.	Ref.	Ref.	Damage Category	Line for	Vertical Movement Calculations [m]
[m]	[m]	[%]	[%]	[%]	[%]			
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	No combined
		2	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	No combined
		3	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	No combined
		4	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	No combined
		5	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	No combined
		6	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	No combined
		7	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	No combined
		8	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	No combined
		9	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	No combined
0.0	3.2532	None	0.0059019	0.057363	0.059062	1 (Very Slight)	0.0	1
		11	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	No combined
		12	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	No combined
		13	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	No combined
		14	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	No combined
		15	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	No combined
		16	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	No combined



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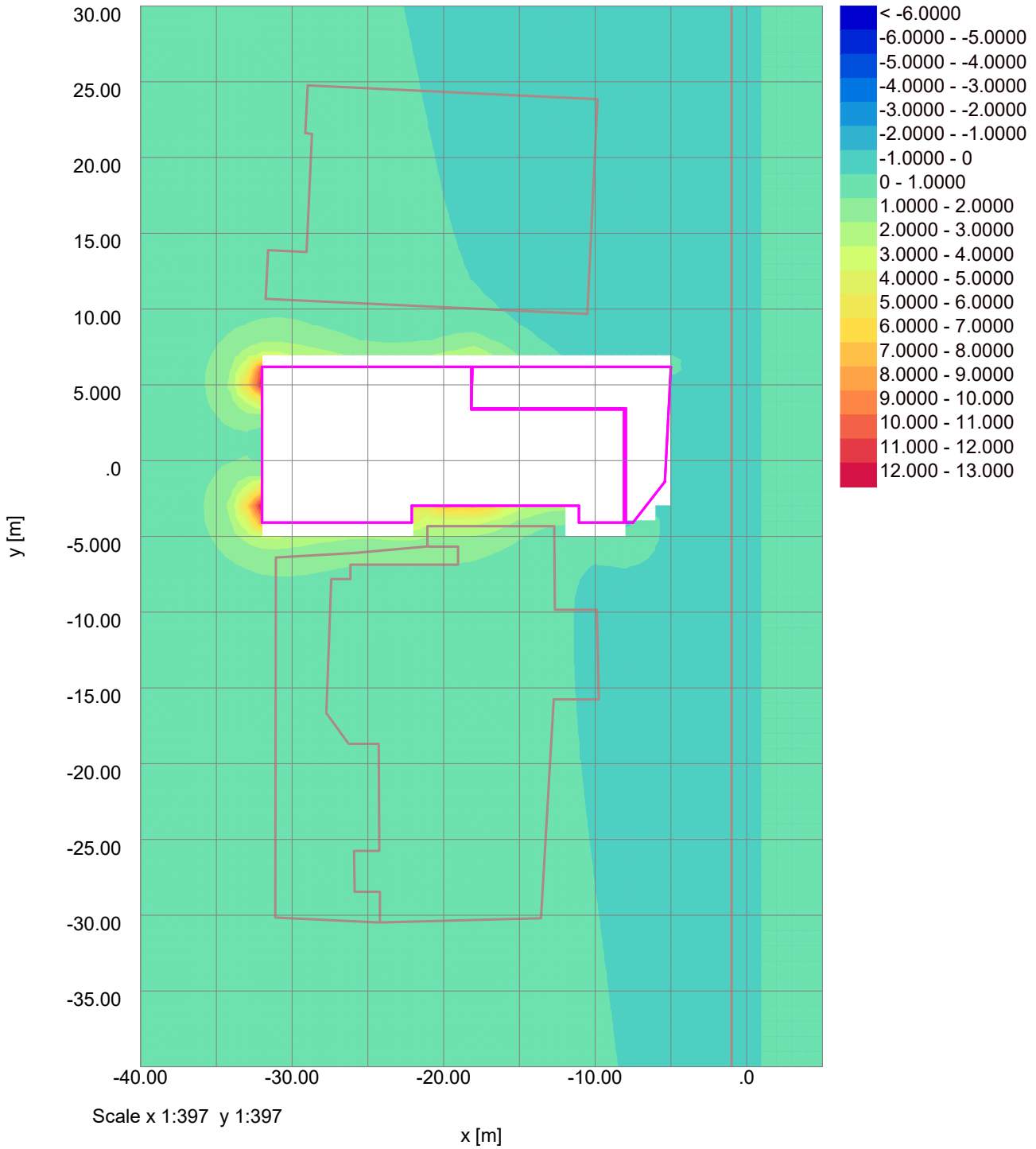
Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 3 - Short Term - Complete Construction

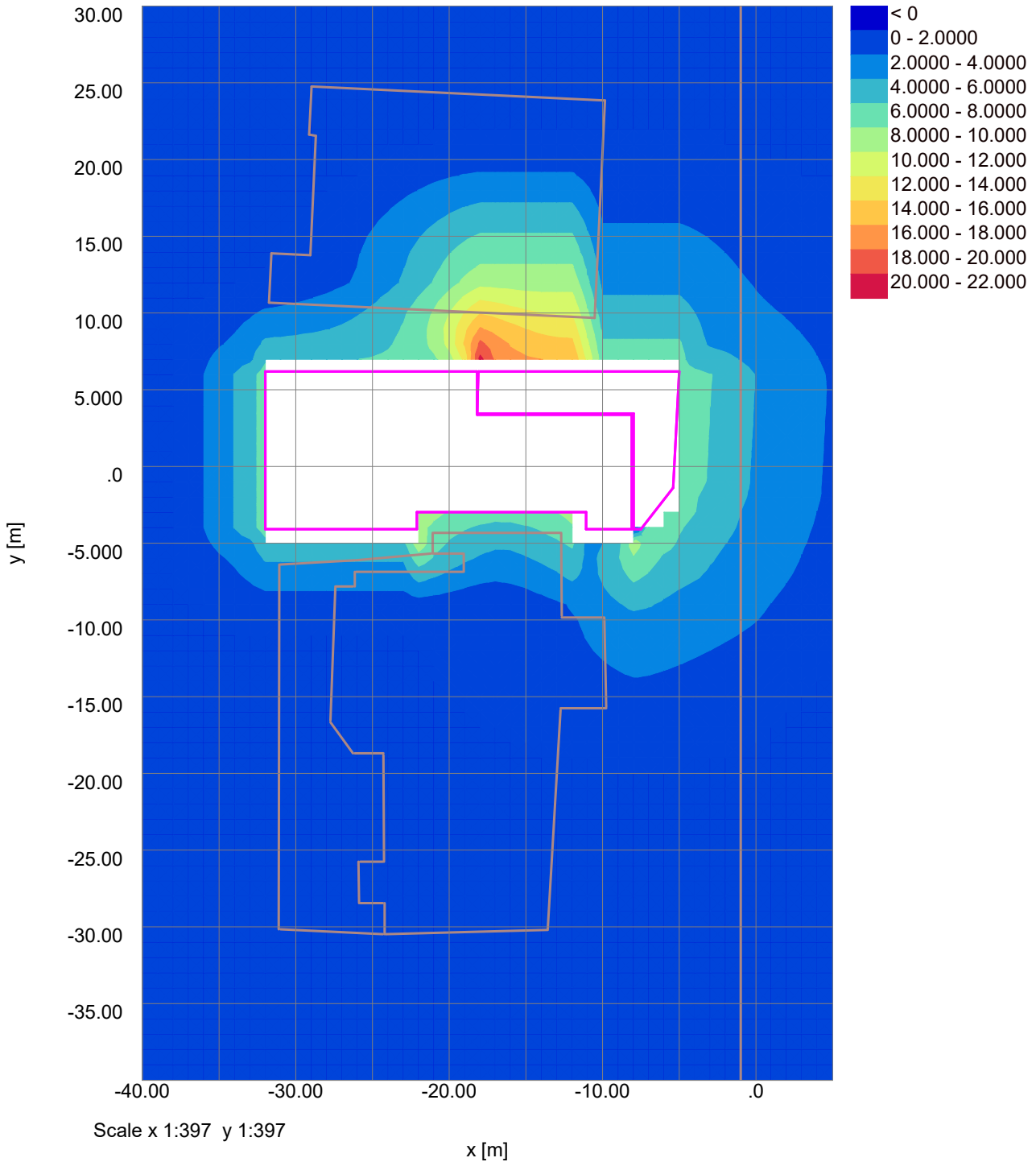
Stage: Start Ref. Ratio	Stage: Name	Specific Building: Name	Specific Building: Name	Specific Building: Name	Specific Building: Name	Sub-building Name	Vertical Offset from	Combined Segment
Length	Curvature	Deflection	Average	Max	Damage	Category		
Horizontal	Tensile							
17	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 9		0.0	No combined
18	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 10		0.0	No combined
19	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 11		0.0	No combined
20	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 12		0.0	No combined
21	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 13		0.0	No combined
22	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 14		0.0	No combined
23	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 15		0.0	No combined
24	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 16		0.0	No combined
25	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 17		0.0	No combined
26	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 18		0.0	No combined
27	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 19		0.0	No combined
28	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 20		0.0	No combined
29	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 21		0.0	No combined
30	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 22		0.0	No combined
31	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 23		0.0	No combined
32	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 24		0.0	No combined
33	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 25		0.0	No combined
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line		0.0	No combined

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Settlement Contours: Grid 1 (level 99.750m) (Interval 1mm)



Horizontal Displacement Contours: Grid 1 (level 99.750m) Interval 2mm





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Titles

Job No.: J20089
Job Title: 9 Lyndhurst Terrace, London
Sub-title: Ground Movement Assessment
Calculation Heading: Stage 4 - Overall Term - Complete Construction
Initials: AT
Checker:
Date Saved: 30-Aug-2023
Date Checked:
Notes:
File Name: XDisp - Stage 4 - Complete Overall Term.xdd
File Path: G:\Shared\GEA\PROJECTS\2020\J20089 - 9 Lyndhurst Terrace\J20089A\GMA

History

Date	Time	By	Notes
10-Jun-2020	10:57	Alex Taylor	New
10-Jun-2020	11:11	Alex Taylor	
10-Jun-2020	19:07	Alex Taylor	
10-Jun-2020	19:12	Alex Taylor	
10-Jun-2020	19:14	Alex Taylor	
11-Jun-2020	12:11	Alex Taylor	
22-Jun-2020	12:41	Alex Taylor	
22-Jun-2020	13:10	Alex Taylor	
23-Sep-2020	14:20	Alex Taylor	
15-Oct-2020	15:14	Alex Taylor	
16-Oct-2020	12:05	Alex Taylor	
16-Oct-2020	12:19	Alex Taylor	
16-Oct-2020	13:06	Alex Taylor	
16-Oct-2020	13:10	Alex Taylor	
23-Oct-2020	14:54	Alex Taylor	
23-Oct-2020	15:03	Alex Taylor	
27-Oct-2020	11:54	Alex Taylor	
30-Aug-2023	09:29	Alex Taylor	
30-Aug-2023	11:55	Alex Taylor	
30-Aug-2023	12:32	Alex Taylor	
30-Aug-2023	13:25	Alex Taylor	
30-Aug-2023	13:32	Alex Taylor	
31-Aug-2023	15:38	Alex Taylor	Open

Displacement Lines

Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface
Interpolate Calculate									
imported									
displacements									
		[m]	[m]	[m]	[m]	[m]	[m]	[No.]	
1	No 11 LG - Line 1	-31.74200	10.69900	98.25000	-31.58900	13.89500	98.25000	6	Surface
No	Yes								type
2	No 11 LG - Line 2	-31.58900	13.89500	98.25000	-29.07200	13.77500	98.25000	5	Surface
No	Yes								for
3	No 11 LG - Line 3	-29.07200	13.77500	98.25000	-28.69900	21.56200	98.25000	16	Surface
No	Yes								tunnels
4	No 11 LG - Line 4	-28.69900	21.56200	98.25000	-29.13400	21.64000	98.25000	2	Surface
No	Yes								
5	No 11 LG - Line 5	-29.13400	21.64000	98.25000	-28.98400	24.78000	98.25000	6	Surface
No	Yes								
6	No 11 LG - Line 6	-28.98400	24.78000	98.25000	-9.84300	23.86500	98.25000	38	Surface
No	Yes								
7	No 11 LG - Line 7	-9.84300	23.86500	98.25000	-10.52100	9.68500	98.25000	28	Surface
No	Yes								
8	No 11 LG - Line 8	-10.52100	9.68500	98.25000	-31.74200	10.69900	98.25000	42	Surface
No	Yes								
9	No 7 LG - Line 1	-20.99000	-4.35700	96.40000	-12.80200	-4.32600	96.40000	8	Surface

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Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface
	Interpolate Calculate								
Imported									
No	Yes								type
10	No 7 LG - Line 2	-12.70200	-4.32600	96.40000	-12.69600	-9.74800	96.40000	5	Surface
No	Yes								
11	No 7 LG - Line 3	-12.69600	-9.84800	96.40000	-9.89100	-9.84800	96.40000	3	Surface
No	Yes								
12	No 7 LG - Line 4	-9.89100	-9.94800	96.40000	-9.78800	-15.67400	96.40000	6	Surface
No	Yes								
13	No 7 LG - Line 5	-9.78800	-15.77400	96.40000	-12.74000	-15.77400	96.40000	3	Surface
No	Yes								
14	No 7 LG - Line 6	-12.74000	-15.87400	96.40000	-13.58600	-30.11500	96.40000	15	Surface
No	Yes								
15	No 7 LG - Line 7	-13.58600	-30.21500	96.40000	-24.12700	-30.49200	96.40000	10	Surface
No	Yes								
16	No 7 LG - Line 8	-24.22700	-30.49200	96.40000	-24.24100	-28.45400	96.40000	2	Surface
No	Yes								
17	No 7 LG - Line 9	-24.34100	-28.45400	96.40000	-25.80000	-28.46600	96.40000	2	Surface
No	Yes								
18	No 7 LG - Line 10	-25.90000	-28.46600	96.40000	-25.91900	-25.77300	96.40000	2	Surface
No	Yes								
19	No 7 LG - Line 11	-25.81900	-25.77300	96.40000	-24.36000	-25.76100	96.40000	2	Surface
No	Yes								
20	No 7 LG - Line 12	-24.26000	-25.76100	96.40000	-24.30900	-18.80800	96.40000	7	Surface
No	Yes								
21	No 7 LG - Line 13	-24.30900	-18.70800	96.40000	-26.16700	-18.70800	96.40000	2	Surface
No	Yes								
22	No 7 LG - Line 14	-26.26700	-18.70800	96.40000	-27.76500	-16.67900	96.40000	3	Surface
No	Yes								
23	No 7 LG - Line 15	-27.76500	-16.57900	96.40000	-27.44600	-7.92200	96.40000	8	Surface
No	Yes								
24	No 7 LG - Line 16	-27.44600	-7.82200	96.40000	-26.26700	-7.82100	96.40000	2	Surface
No	Yes								
25	No 7 LG - Line 17	-26.16700	-7.82100	96.40000	-26.16800	-6.89100	96.40000	10	Surface
No	Yes								
26	No 7 LG - Line 18	-26.06800	-6.89100	96.40000	-19.14700	-6.88400	96.40000	7	Surface
No	Yes								
27	No 7 LG - Line 19	-19.04700	-6.88400	96.40000	-19.04700	-5.70000	96.40000	10	Surface
No	Yes								
28	No 7 LG - Line 20	-19.14700	-5.70000	96.40000	-20.99000	-5.70000	96.40000	10	Surface
No	Yes								
29	No 7 LG - Line 21	-21.09000	-5.70000	96.40000	-21.09000	-4.35700	96.40000	10	Surface
No	Yes								
30	No 7 LG - Line 22	-24.32700	-30.49200	96.40000	-31.01900	-30.15700	96.40000	7	Surface
No	Yes								
31	No 7 LG - Line 23	-31.11900	-30.15700	96.40000	-31.10100	-6.41700	96.40000	24	Surface
No	Yes								
32	No 7 LG - Line 24	-31.00100	-6.41700	96.40000	-26.18300	-6.12800	96.40000	5	Surface
No	Yes								
33	No 7 LG - Line 25	-26.08300	-6.12800	96.40000	-21.19000	-5.70000	96.40000	5	Surface
No	Yes								
34	Thames Water Asset	2.00000	-40.00000	98.75000	2.00000	30.00000	98.75000	70	Surface
No	Yes								
35	Lyndhurst Terrace Curb Line	-1.00000	-40.00000	99.25000	-1.00000	30.00000	99.25000	70	Surface
No	Yes								
36	Cadent Gas Asset	0.00000	-40.00000	98.75000	0.00000	30.00000	98.75000	70	Surface
No	Yes								
37	UKPN Asset	-2.00000	-40.00000	98.75000	-2.00000	30.00000	98.75000	70	Surface
No	Yes								

Displacement Grids

Ref.	Name	Extrusion:	Base line	Base line	Base	Base	Base	Base	Base	Extrusion:	Extrusion:
Surface	Calculate	Direction	start: X	start: Y	line	line	line	line	line:	Distance	Intervals
type											
for			start:	end:	end: Y	end:	Intervals				
tunnels			Z (level)	X	Z (level)						
			[m]	[m]	[m]	[m]	[m]	[No.]	[m]	[No.]	
1	Grid 1	Global X	-40.00000	-40.00000	99.75000	-	30.00000	99.75000	70	45.00000	45
Surface	Yes										



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Ref. Name Extrusion: Base line Base line Base Base Base Base Base Base Extrusion: Extrusion:
 Surface Calculate Direction start: X start: Y line line line line line line Distance Intervals
 type
Imported Displacements

Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:
Displacements:	Displacements:	Ref.	x	y	z
Ref.	Name		[m]	[m]	[m]
x	y				
[mm]	[mm]				
1	PDisp - Stage 4 - Complete Overall Term.pdd - Immediate	1	-40.00000	-40.00000	99.75000
0.00000	0.00000	0.01265			
		1			
0.00000	0.00000	0.01279			
		1			
0.00000	0.00000	0.01290			
		1			
0.00000	0.00000	0.01297			
		1			
0.00000	0.00000	0.01301			
		1			
0.00000	0.00000	0.01301			
		1			
0.00000	0.00000	0.01296			
		1			
0.00000	0.00000	0.01287			
		1			
0.00000	0.00000	0.01274			
		1			
0.00000	0.00000	0.01256			
		1			
0.00000	0.00000	0.01234			
		1			
0.00000	0.00000	0.01207			
		1			
0.00000	0.00000	0.01175			
		1			
0.00000	0.00000	0.01139			
		1			
0.00000	0.00000	0.01099			
		1			
0.00000	0.00000	0.01054			
		1			
0.00000	0.00000	0.01005			
		1			
0.00000	0.00000	0.00953			
		1			
0.00000	0.00000	0.00897			
		1			
0.00000	0.00000	0.00837			
		1			
0.00000	0.00000	0.00775			
		1			
0.00000	0.00000	0.00711			
		1			
0.00000	0.00000	0.00644			
		1			
0.00000	0.00000	0.00576			
		1			
0.00000	0.00000	0.00507			
		1			
0.00000	0.00000	0.00437			
		1			
0.00000	0.00000	0.00367			
		1			
0.00000	0.00000	0.00297			
		1			
0.00000	0.00000	0.00228			
		1			
0.00000	0.00000	0.00160			
		1			
0.00000	0.00000	0.00094			
		1			
0.00000	0.00000	0.00029			
		1			
0.00000	0.00000	-0.00033			
		1			
			34	-7.00000	99.75000



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Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.00092	35	-6.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00149	36	-5.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00203	37	-4.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00253	38	-3.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00300	39	-2.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00343	40	-1.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00382	41	0.00000	-40.00000	99.75000
0.00000	0.00000	0.00000	-0.00418	42	-40.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01380	43	-39.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01397	44	-38.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01410	45	-37.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01420	46	-36.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01425	47	-35.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01426	48	-34.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01422	49	-33.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01413	50	-32.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01400	51	-31.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01381	52	-30.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01357	53	-29.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01328	54	-28.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01294	55	-27.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01254	56	-26.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01210	57	-25.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01161	58	-24.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01107	59	-23.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.01049	60	-22.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00987	61	-21.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00921	62	-20.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00852	63	-19.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00781	64	-18.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00707	65	-17.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00631	66	-16.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00554	67	-15.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00477	68	-14.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00399	69	-13.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00321	70	-12.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00245	71	-11.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00169	72	-10.00000	-39.00000	99.75000
0.00000	0.00000	0.00000	0.00096				



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Set:				Result: Coordinates: Coordinates: Coordinates:			
Displacements:	Displacements:	Displacements:		Ref.	x	y	z
Ref.		Name					
x	y	z					
0.00000	0.00000	0.00024	1	73	-9.00000	-39.00000	99.75000
0.00000	0.00000	-0.00045	1	74	-8.00000	-39.00000	99.75000
0.00000	0.00000	-0.00111	1	75	-7.00000	-39.00000	99.75000
0.00000	0.00000	-0.00173	1	76	-6.00000	-39.00000	99.75000
0.00000	0.00000	-0.00232	1	77	-5.00000	-39.00000	99.75000
0.00000	0.00000	-0.00287	1	78	-4.00000	-39.00000	99.75000
0.00000	0.00000	-0.00338	1	79	-3.00000	-39.00000	99.75000
0.00000	0.00000	-0.00385	1	80	-2.00000	-39.00000	99.75000
0.00000	0.00000	-0.00428	1	81	-1.00000	-39.00000	99.75000
0.00000	0.00000	-0.00467	1	82	0.00000	-39.00000	99.75000
0.00000	0.00000	0.01506	1	83	-40.00000	-38.00000	99.75000
0.00000	0.00000	0.01527	1	84	-39.00000	-38.00000	99.75000
0.00000	0.00000	0.01543	1	85	-38.00000	-38.00000	99.75000
0.00000	0.00000	0.01554	1	86	-37.00000	-38.00000	99.75000
0.00000	0.00000	0.01562	1	87	-36.00000	-38.00000	99.75000
0.00000	0.00000	0.01564	1	88	-35.00000	-38.00000	99.75000
0.00000	0.00000	0.01561	1	89	-34.00000	-38.00000	99.75000
0.00000	0.00000	0.01553	1	90	-33.00000	-38.00000	99.75000
0.00000	0.00000	0.01539	1	91	-32.00000	-38.00000	99.75000
0.00000	0.00000	0.01519	1	92	-31.00000	-38.00000	99.75000
0.00000	0.00000	0.01494	1	93	-30.00000	-38.00000	99.75000
0.00000	0.00000	0.01463	1	94	-29.00000	-38.00000	99.75000
0.00000	0.00000	0.01425	1	95	-28.00000	-38.00000	99.75000
0.00000	0.00000	0.01382	1	96	-27.00000	-38.00000	99.75000
0.00000	0.00000	0.01334	1	97	-26.00000	-38.00000	99.75000
0.00000	0.00000	0.01280	1	98	-25.00000	-38.00000	99.75000
0.00000	0.00000	0.01220	1	99	-24.00000	-38.00000	99.75000
0.00000	0.00000	0.01156	1	100	-23.00000	-38.00000	99.75000
0.00000	0.00000	0.01088	1	101	-22.00000	-38.00000	99.75000
0.00000	0.00000	0.01015	1	102	-21.00000	-38.00000	99.75000
0.00000	0.00000	0.00938	1	103	-20.00000	-38.00000	99.75000
0.00000	0.00000	0.00859	1	104	-19.00000	-38.00000	99.75000
0.00000	0.00000	0.00777	1	105	-18.00000	-38.00000	99.75000
0.00000	0.00000	0.00692	1	106	-17.00000	-38.00000	99.75000
0.00000	0.00000	0.00607	1	107	-16.00000	-38.00000	99.75000
0.00000	0.00000	0.00520	1	108	-15.00000	-38.00000	99.75000
0.00000	0.00000	0.00434	1	109	-14.00000	-38.00000	99.75000
0.00000	0.00000	0.00347	1	110	-13.00000	-38.00000	99.75000
0.00000	0.00000			111	-12.00000	-38.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.00262	112	-11.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	0.00178	113	-10.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	0.00096	114	-9.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	0.00017	115	-8.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00059	116	-7.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00132	117	-6.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00201	118	-5.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00266	119	-4.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00326	120	-3.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00382	121	-2.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00433	122	-1.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00480	123	0.00000	-38.00000	99.75000
0.00000	0.00000	0.00000	-0.00522	124	-40.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01645	125	-39.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01669	126	-38.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01689	127	-37.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01703	128	-36.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01713	129	-35.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01717	130	-34.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01715	131	-33.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01708	132	-32.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01694	133	-31.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01673	134	-30.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01646	135	-29.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01613	136	-28.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01572	137	-27.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01525	138	-26.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01472	139	-25.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01413	140	-24.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01347	141	-23.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01276	142	-22.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01200	143	-21.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01119	144	-20.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.01034	145	-19.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00945	146	-18.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00854	147	-17.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00760	148	-16.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00665	149	-15.00000	-37.00000	99.75000
0.00000	0.00000	0.00000	0.00568				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00472	1	150	-14.00000	-37.00000	99.75000
0.00000	0.00000	0.00375	1	151	-13.00000	-37.00000	99.75000
0.00000	0.00000	0.00280	1	152	-12.00000	-37.00000	99.75000
0.00000	0.00000	0.00187	1	153	-11.00000	-37.00000	99.75000
0.00000	0.00000	0.00096	1	154	-10.00000	-37.00000	99.75000
0.00000	0.00000	0.00008	1	155	-9.00000	-37.00000	99.75000
0.00000	0.00000	-0.00076	1	156	-8.00000	-37.00000	99.75000
0.00000	0.00000	-0.00157	1	157	-7.00000	-37.00000	99.75000
0.00000	0.00000	-0.00233	1	158	-6.00000	-37.00000	99.75000
0.00000	0.00000	-0.00304	1	159	-5.00000	-37.00000	99.75000
0.00000	0.00000	-0.00371	1	160	-4.00000	-37.00000	99.75000
0.00000	0.00000	-0.00432	1	161	-3.00000	-37.00000	99.75000
0.00000	0.00000	-0.00488	1	162	-2.00000	-37.00000	99.75000
0.00000	0.00000	-0.00538	1	163	-1.00000	-37.00000	99.75000
0.00000	0.00000	-0.00583	1	164	0.00000	-37.00000	99.75000
0.00000	0.00000	0.01798	1	165	-40.00000	-36.00000	99.75000
0.00000	0.00000	0.01826	1	166	-39.00000	-36.00000	99.75000
0.00000	0.00000	0.01849	1	167	-38.00000	-36.00000	99.75000
0.00000	0.00000	0.01868	1	168	-37.00000	-36.00000	99.75000
0.00000	0.00000	0.01880	1	169	-36.00000	-36.00000	99.75000
0.00000	0.00000	0.01887	1	170	-35.00000	-36.00000	99.75000
0.00000	0.00000	0.01887	1	171	-34.00000	-36.00000	99.75000
0.00000	0.00000	0.01880	1	172	-33.00000	-36.00000	99.75000
0.00000	0.00000	0.01866	1	173	-32.00000	-36.00000	99.75000
0.00000	0.00000	0.01845	1	174	-31.00000	-36.00000	99.75000
0.00000	0.00000	0.01816	1	175	-30.00000	-36.00000	99.75000
0.00000	0.00000	0.01780	1	176	-29.00000	-36.00000	99.75000
0.00000	0.00000	0.01736	1	177	-28.00000	-36.00000	99.75000
0.00000	0.00000	0.01685	1	178	-27.00000	-36.00000	99.75000
0.00000	0.00000	0.01627	1	179	-26.00000	-36.00000	99.75000
0.00000	0.00000	0.01561	1	180	-25.00000	-36.00000	99.75000
0.00000	0.00000	0.01489	1	181	-24.00000	-36.00000	99.75000
0.00000	0.00000	0.01410	1	182	-23.00000	-36.00000	99.75000
0.00000	0.00000	0.01325	1	183	-22.00000	-36.00000	99.75000
0.00000	0.00000	0.01236	1	184	-21.00000	-36.00000	99.75000
0.00000	0.00000	0.01141	1	185	-20.00000	-36.00000	99.75000
0.00000	0.00000	0.01042	1	186	-19.00000	-36.00000	99.75000
0.00000	0.00000	0.00940	1	187	-18.00000	-36.00000	99.75000
				188	-17.00000	-36.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.00835	189	-16.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00729	190	-15.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00621	191	-14.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00513	192	-13.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00406	193	-12.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00300	194	-11.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00196	195	-10.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	0.00095	196	-9.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00003	197	-8.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00097	198	-7.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00186	199	-6.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00270	200	-5.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00349	201	-4.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00422	202	-3.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00489	203	-2.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00550	204	-1.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00604	205	0.00000	-36.00000	99.75000
0.00000	0.00000	0.00000	-0.00653	206	-40.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01966	207	-39.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01999	208	-38.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02027	209	-37.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02049	210	-36.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02065	211	-35.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02075	212	-34.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02077	213	-33.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02071	214	-32.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02058	215	-31.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02036	216	-30.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.02006	217	-29.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01967	218	-28.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01920	219	-27.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01864	220	-26.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01800	221	-25.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01727	222	-24.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01647	223	-23.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01560	224	-22.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01466	225	-21.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01366	226	-20.00000	-35.00000	99.75000
0.00000	0.00000	0.00000	0.01260				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.01150	1	227	-19.00000	-35.00000	99.75000
0.00000	0.00000	0.01036	1	228	-18.00000	-35.00000	99.75000
0.00000	0.00000	0.00919	1	229	-17.00000	-35.00000	99.75000
0.00000	0.00000	0.00800	1	230	-16.00000	-35.00000	99.75000
0.00000	0.00000	0.00680	1	231	-15.00000	-35.00000	99.75000
0.00000	0.00000	0.00559	1	232	-14.00000	-35.00000	99.75000
0.00000	0.00000	0.00439	1	233	-13.00000	-35.00000	99.75000
0.00000	0.00000	0.00321	1	234	-12.00000	-35.00000	99.75000
0.00000	0.00000	0.00205	1	235	-11.00000	-35.00000	99.75000
0.00000	0.00000	0.00092	1	236	-10.00000	-35.00000	99.75000
0.00000	0.00000	-0.00017	1	237	-9.00000	-35.00000	99.75000
0.00000	0.00000	-0.00121	1	238	-8.00000	-35.00000	99.75000
0.00000	0.00000	-0.00220	1	239	-7.00000	-35.00000	99.75000
0.00000	0.00000	-0.00313	1	240	-6.00000	-35.00000	99.75000
0.00000	0.00000	-0.00399	1	241	-5.00000	-35.00000	99.75000
0.00000	0.00000	-0.00480	1	242	-4.00000	-35.00000	99.75000
0.00000	0.00000	-0.00553	1	243	-3.00000	-35.00000	99.75000
0.00000	0.00000	-0.00620	1	244	-2.00000	-35.00000	99.75000
0.00000	0.00000	-0.00679	1	245	-1.00000	-35.00000	99.75000
0.00000	0.00000	-0.00732	1	246	0.00000	-35.00000	99.75000
0.00000	0.00000	0.02150	1	247	-40.00000	-34.00000	99.75000
0.00000	0.00000	0.02190	1	248	-39.00000	-34.00000	99.75000
0.00000	0.00000	0.02223	1	249	-38.00000	-34.00000	99.75000
0.00000	0.00000	0.02251	1	250	-37.00000	-34.00000	99.75000
0.00000	0.00000	0.02271	1	251	-36.00000	-34.00000	99.75000
0.00000	0.00000	0.02284	1	252	-35.00000	-34.00000	99.75000
0.00000	0.00000	0.02288	1	253	-34.00000	-34.00000	99.75000
0.00000	0.00000	0.02284	1	254	-33.00000	-34.00000	99.75000
0.00000	0.00000	0.02272	1	255	-32.00000	-34.00000	99.75000
0.00000	0.00000	0.02249	1	256	-31.00000	-34.00000	99.75000
0.00000	0.00000	0.02218	1	257	-30.00000	-34.00000	99.75000
0.00000	0.00000	0.02176	1	258	-29.00000	-34.00000	99.75000
0.00000	0.00000	0.02125	1	259	-28.00000	-34.00000	99.75000
0.00000	0.00000	0.02064	1	260	-27.00000	-34.00000	99.75000
0.00000	0.00000	0.01994	1	261	-26.00000	-34.00000	99.75000
0.00000	0.00000	0.01914	1	262	-25.00000	-34.00000	99.75000
0.00000	0.00000	0.01825	1	263	-24.00000	-34.00000	99.75000
0.00000	0.00000	0.01729	1	264	-23.00000	-34.00000	99.75000
				265	-22.00000	-34.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.01624	266	-21.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.01512	267	-20.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.01395	268	-19.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.01271	269	-18.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.01144	270	-17.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.01013	271	-16.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00879	272	-15.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00744	273	-14.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00609	274	-13.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00475	275	-12.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00342	276	-11.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00213	277	-10.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	0.00087	278	-9.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00034	279	-8.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00150	280	-7.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00259	281	-6.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00362	282	-5.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00458	283	-4.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00546	284	-3.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00627	285	-2.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00699	286	-1.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00764	287	0.00000	-34.00000	99.75000
0.00000	0.00000	0.00000	-0.00820	288	-40.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02353	289	-39.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02400	290	-38.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02440	291	-37.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02474	292	-36.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02499	293	-35.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02516	294	-34.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02524	295	-33.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02522	296	-32.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02511	297	-31.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02488	298	-30.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02455	299	-29.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02411	300	-28.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02355	301	-27.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02289	302	-26.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02212	303	-25.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02124				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.02026	304	-24.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01918	305	-23.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01802	306	-22.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01677	307	-21.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01545	308	-20.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01407	309	-19.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01264	310	-18.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.01117	311	-17.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00968	312	-16.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00816	313	-15.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00665	314	-14.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00514	315	-13.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00366	316	-12.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00221	317	-11.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.00080	318	-10.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00055	319	-9.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00184	320	-8.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00306	321	-7.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00420	322	-6.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00526	323	-5.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00623	324	-4.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00711	325	-3.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00790	326	-2.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00860	327	-1.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	-0.00920	328	0.00000	-33.00000	99.75000
0.00000	0.00000	0.00000	0.02578	329	-40.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02633	330	-39.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02681	331	-38.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02721	332	-37.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02753	333	-36.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02775	334	-35.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02787	335	-34.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02788	336	-33.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02778	337	-32.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02756	338	-31.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02722	339	-30.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02674	340	-29.00000	-32.00000	99.75000
0.00000	0.00000	0.00000	0.02615	341	-28.00000	-32.00000	99.75000
				342	-27.00000	-32.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:		Set: Displacements:		Set: Displacements:		Result: Coordinates:		Coordinates:	
Ref.		Name		Ref.	x	y	z		
x	y	z							
0.00000	0.00000	0.02542	1	343	-26.00000	-32.00000	99.75000		
0.00000	0.00000	0.02457	1	344	-25.00000	-32.00000	99.75000		
0.00000	0.00000	0.02360	1	345	-24.00000	-32.00000	99.75000		
0.00000	0.00000	0.02252	1	346	-23.00000	-32.00000	99.75000		
0.00000	0.00000	0.02132	1	347	-22.00000	-32.00000	99.75000		
0.00000	0.00000	0.02002	1	348	-21.00000	-32.00000	99.75000		
0.00000	0.00000	0.01863	1	349	-20.00000	-32.00000	99.75000		
0.00000	0.00000	0.01715	1	350	-19.00000	-32.00000	99.75000		
0.00000	0.00000	0.01560	1	351	-18.00000	-32.00000	99.75000		
0.00000	0.00000	0.01400	1	352	-17.00000	-32.00000	99.75000		
0.00000	0.00000	0.01235	1	353	-16.00000	-32.00000	99.75000		
0.00000	0.00000	0.01066	1	354	-15.00000	-32.00000	99.75000		
0.00000	0.00000	0.00896	1	355	-14.00000	-32.00000	99.75000		
0.00000	0.00000	0.00726	1	356	-13.00000	-32.00000	99.75000		
0.00000	0.00000	0.00557	1	357	-12.00000	-32.00000	99.75000		
0.00000	0.00000	0.00390	1	358	-11.00000	-32.00000	99.75000		
0.00000	0.00000	0.00228	1	359	-10.00000	-32.00000	99.75000		
0.00000	0.00000	0.00070	1	360	-9.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00081	1	361	-8.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00225	1	362	-7.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00360	1	363	-6.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00487	1	364	-5.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00604	1	365	-4.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00710	1	366	-3.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00807	1	367	-2.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00893	1	368	-1.00000	-32.00000	99.75000		
0.00000	0.00000	-0.00968	1	369	0.00000	-32.00000	99.75000		
0.00000	0.00000	-0.01034	1	370	-40.00000	-31.00000	99.75000		
0.00000	0.00000	0.02825	1	371	-39.00000	-31.00000	99.75000		
0.00000	0.00000	0.02890	1	372	-38.00000	-31.00000	99.75000		
0.00000	0.00000	0.02947	1	373	-37.00000	-31.00000	99.75000		
0.00000	0.00000	0.02996	1	374	-36.00000	-31.00000	99.75000		
0.00000	0.00000	0.03035	1	375	-35.00000	-31.00000	99.75000		
0.00000	0.00000	0.03064	1	376	-34.00000	-31.00000	99.75000		
0.00000	0.00000	0.03081	1	377	-33.00000	-31.00000	99.75000		
0.00000	0.00000	0.03086	1	378	-32.00000	-31.00000	99.75000		
0.00000	0.00000	0.03078	1	379	-31.00000	-31.00000	99.75000		
0.00000	0.00000	0.03057	1	380	-30.00000	-31.00000	99.75000		
0.00000	0.00000	0.03021	1						



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.02971	381	-29.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02907	382	-28.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02828	383	-27.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02735	384	-26.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02627	385	-25.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02507	386	-24.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02373	387	-23.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02228	388	-22.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.02072	389	-21.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01907	390	-20.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01733	391	-19.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01553	392	-18.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01367	393	-17.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.01177	394	-16.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00986	395	-15.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00794	396	-14.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00604	397	-13.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00416	398	-12.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00234	399	-11.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.00057	400	-10.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00112	401	-9.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00273	402	-8.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00424	403	-7.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00564	404	-6.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00694	405	-5.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00811	406	-4.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.00917	407	-3.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.01011	408	-2.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.01092	409	-1.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	-0.01162	410	0.00000	-31.00000	99.75000
0.00000	0.00000	0.00000	0.03098	411	-40.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03175	412	-39.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03243	413	-38.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03302	414	-37.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03350	415	-36.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03387	416	-35.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03411	417	-34.00000	-30.00000	99.75000
0.00000	0.00000	0.00000	0.03421	418	-33.00000	-30.00000	99.75000
0.00000	0.00000	0.00000		419	-32.00000	-30.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.03416	1	420	-31.00000	-30.00000	99.75000
0.00000	0.00000	0.03396	1	421	-30.00000	-30.00000	99.75000
0.00000	0.00000	0.03359	1	422	-29.00000	-30.00000	99.75000
0.00000	0.00000	0.03306	1	423	-28.00000	-30.00000	99.75000
0.00000	0.00000	0.03237	1	424	-27.00000	-30.00000	99.75000
0.00000	0.00000	0.03151	1	425	-26.00000	-30.00000	99.75000
0.00000	0.00000	0.03049	1	426	-25.00000	-30.00000	99.75000
0.00000	0.00000	0.02930	1	427	-24.00000	-30.00000	99.75000
0.00000	0.00000	0.02796	1	428	-23.00000	-30.00000	99.75000
0.00000	0.00000	0.02647	1	429	-22.00000	-30.00000	99.75000
0.00000	0.00000	0.02485	1	430	-21.00000	-30.00000	99.75000
0.00000	0.00000	0.02310	1	431	-20.00000	-30.00000	99.75000
0.00000	0.00000	0.02124	1	432	-19.00000	-30.00000	99.75000
0.00000	0.00000	0.01929	1	433	-18.00000	-30.00000	99.75000
0.00000	0.00000	0.01725	1	434	-17.00000	-30.00000	99.75000
0.00000	0.00000	0.01516	1	435	-16.00000	-30.00000	99.75000
0.00000	0.00000	0.01302	1	436	-15.00000	-30.00000	99.75000
0.00000	0.00000	0.01086	1	437	-14.00000	-30.00000	99.75000
0.00000	0.00000	0.00869	1	438	-13.00000	-30.00000	99.75000
0.00000	0.00000	0.00655	1	439	-12.00000	-30.00000	99.75000
0.00000	0.00000	0.00444	1	440	-11.00000	-30.00000	99.75000
0.00000	0.00000	0.00238	1	441	-10.00000	-30.00000	99.75000
0.00000	0.00000	0.00039	1	442	-9.00000	-30.00000	99.75000
0.00000	0.00000	-0.00150	1	443	-8.00000	-30.00000	99.75000
0.00000	0.00000	-0.00330	1	444	-7.00000	-30.00000	99.75000
0.00000	0.00000	-0.00499	1	445	-6.00000	-30.00000	99.75000
0.00000	0.00000	-0.00655	1	446	-5.00000	-30.00000	99.75000
0.00000	0.00000	-0.00798	1	447	-4.00000	-30.00000	99.75000
0.00000	0.00000	-0.00927	1	448	-3.00000	-30.00000	99.75000
0.00000	0.00000	-0.01043	1	449	-2.00000	-30.00000	99.75000
0.00000	0.00000	-0.01145	1	450	-1.00000	-30.00000	99.75000
0.00000	0.00000	-0.01233	1	451	0.00000	-30.00000	99.75000
0.00000	0.00000	-0.01308	1	452	-40.00000	-29.00000	99.75000
0.00000	0.00000	0.03400	1	453	-39.00000	-29.00000	99.75000
0.00000	0.00000	0.03490	1	454	-38.00000	-29.00000	99.75000
0.00000	0.00000	0.03572	1	455	-37.00000	-29.00000	99.75000
0.00000	0.00000	0.03643	1	456	-36.00000	-29.00000	99.75000
0.00000	0.00000	0.03702	1	457	-35.00000	-29.00000	99.75000
0.00000	0.00000	0.03748	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.03780	458	-34.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03796	459	-33.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03796	460	-32.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03778	461	-31.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03741	462	-30.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03686	463	-29.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03611	464	-28.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03517	465	-27.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03405	466	-26.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03273	467	-25.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03124	468	-24.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.02958	469	-23.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.02776	470	-22.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.02580	471	-21.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.02371	472	-20.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.02150	473	-19.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01921	474	-18.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01684	475	-17.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01442	476	-16.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.01198	477	-15.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.00953	478	-14.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.00711	479	-13.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.00472	480	-12.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.00240	481	-11.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.00017	482	-10.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.00197	483	-9.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.00398	484	-8.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.00586	485	-7.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.00760	486	-6.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.00919	487	-5.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.01061	488	-4.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.01188	489	-3.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.01299	490	-2.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.01394	491	-1.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	-0.01473	492	0.00000	-29.00000	99.75000
0.00000	0.00000	0.00000	0.03734	493	-40.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03841	494	-39.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03938	495	-38.00000	-28.00000	99.75000
				496	-37.00000	-28.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:				Result:			
Displacements:		Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.04023	497	-36.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04096	498	-35.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04154	499	-34.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04196	500	-33.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04220	501	-32.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04225	502	-31.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04210	503	-30.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04173	504	-29.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04116	505	-28.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.04036	506	-27.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03934	507	-26.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03810	508	-25.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03665	509	-24.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03499	510	-23.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03313	511	-22.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.03109	512	-21.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.02888	513	-20.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.02652	514	-19.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.02403	515	-18.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.02143	516	-17.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.01875	517	-16.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.01602	518	-15.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.01325	519	-14.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.01047	520	-13.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.00772	521	-12.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.00502	522	-11.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	0.00240	523	-10.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.00012	524	-9.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.00252	525	-8.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.00479	526	-7.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.00689	527	-6.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.00883	528	-5.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.01059	529	-4.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.01216	530	-3.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.01355	531	-2.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.01475	532	-1.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.01577	533	0.00000	-28.00000	99.75000
0.00000	0.00000	0.00000	-0.01662	534	-40.00000	-27.00000	99.75000
0.00000	0.00000	0.00000	0.04104				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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Set: Displacements:		Set: Displacements:		Result: Coordinates:			
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.04230	1	535	-39.00000	-27.00000	99.75000
0.00000	0.00000	0.04346	1	536	-38.00000	-27.00000	99.75000
0.00000	0.00000	0.04449	1	537	-37.00000	-27.00000	99.75000
0.00000	0.00000	0.04538	1	538	-36.00000	-27.00000	99.75000
0.00000	0.00000	0.04610	1	539	-35.00000	-27.00000	99.75000
0.00000	0.00000	0.04664	1	540	-34.00000	-27.00000	99.75000
0.00000	0.00000	0.04698	1	541	-33.00000	-27.00000	99.75000
0.00000	0.00000	0.04710	1	542	-32.00000	-27.00000	99.75000
0.00000	0.00000	0.04699	1	543	-31.00000	-27.00000	99.75000
0.00000	0.00000	0.04664	1	544	-30.00000	-27.00000	99.75000
0.00000	0.00000	0.04604	1	545	-29.00000	-27.00000	99.75000
0.00000	0.00000	0.04519	1	546	-28.00000	-27.00000	99.75000
0.00000	0.00000	0.04408	1	547	-27.00000	-27.00000	99.75000
0.00000	0.00000	0.04272	1	548	-26.00000	-27.00000	99.75000
0.00000	0.00000	0.04111	1	549	-25.00000	-27.00000	99.75000
0.00000	0.00000	0.03926	1	550	-24.00000	-27.00000	99.75000
0.00000	0.00000	0.03718	1	551	-23.00000	-27.00000	99.75000
0.00000	0.00000	0.03489	1	552	-22.00000	-27.00000	99.75000
0.00000	0.00000	0.03240	1	553	-21.00000	-27.00000	99.75000
0.00000	0.00000	0.02974	1	554	-20.00000	-27.00000	99.75000
0.00000	0.00000	0.02692	1	555	-19.00000	-27.00000	99.75000
0.00000	0.00000	0.02398	1	556	-18.00000	-27.00000	99.75000
0.00000	0.00000	0.02094	1	557	-17.00000	-27.00000	99.75000
0.00000	0.00000	0.01783	1	558	-16.00000	-27.00000	99.75000
0.00000	0.00000	0.01468	1	559	-15.00000	-27.00000	99.75000
0.00000	0.00000	0.01153	1	560	-14.00000	-27.00000	99.75000
0.00000	0.00000	0.00840	1	561	-13.00000	-27.00000	99.75000
0.00000	0.00000	0.00534	1	562	-12.00000	-27.00000	99.75000
0.00000	0.00000	0.00237	1	563	-11.00000	-27.00000	99.75000
0.00000	0.00000	-0.00049	1	564	-10.00000	-27.00000	99.75000
0.00000	0.00000	-0.00320	1	565	-9.00000	-27.00000	99.75000
0.00000	0.00000	-0.00574	1	566	-8.00000	-27.00000	99.75000
0.00000	0.00000	-0.00811	1	567	-7.00000	-27.00000	99.75000
0.00000	0.00000	-0.01027	1	568	-6.00000	-27.00000	99.75000
0.00000	0.00000	-0.01222	1	569	-5.00000	-27.00000	99.75000
0.00000	0.00000	-0.01396	1	570	-4.00000	-27.00000	99.75000
0.00000	0.00000	-0.01548	1	571	-3.00000	-27.00000	99.75000
0.00000	0.00000	-0.01678	1	572	-2.00000	-27.00000	99.75000
				573	-1.00000	-27.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.01787	1	574	0.00000	-27.00000	99.75000
0.00000	0.00000	-0.01876	1	575	-40.00000	-26.00000	99.75000
0.00000	0.00000	0.04514	1	576	-39.00000	-26.00000	99.75000
0.00000	0.00000	0.04663	1	577	-38.00000	-26.00000	99.75000
0.00000	0.00000	0.04801	1	578	-37.00000	-26.00000	99.75000
0.00000	0.00000	0.04926	1	579	-36.00000	-26.00000	99.75000
0.00000	0.00000	0.05034	1	580	-35.00000	-26.00000	99.75000
0.00000	0.00000	0.05124	1	581	-34.00000	-26.00000	99.75000
0.00000	0.00000	0.05193	1	582	-33.00000	-26.00000	99.75000
0.00000	0.00000	0.05240	1	583	-32.00000	-26.00000	99.75000
0.00000	0.00000	0.05261	1	584	-31.00000	-26.00000	99.75000
0.00000	0.00000	0.05256	1	585	-30.00000	-26.00000	99.75000
0.00000	0.00000	0.05224	1	586	-29.00000	-26.00000	99.75000
0.00000	0.00000	0.05162	1	587	-28.00000	-26.00000	99.75000
0.00000	0.00000	0.05071	1	588	-27.00000	-26.00000	99.75000
0.00000	0.00000	0.04951	1	589	-26.00000	-26.00000	99.75000
0.00000	0.00000	0.04801	1	590	-25.00000	-26.00000	99.75000
0.00000	0.00000	0.04623	1	591	-24.00000	-26.00000	99.75000
0.00000	0.00000	0.04417	1	592	-23.00000	-26.00000	99.75000
0.00000	0.00000	0.04184	1	593	-22.00000	-26.00000	99.75000
0.00000	0.00000	0.03926	1	594	-21.00000	-26.00000	99.75000
0.00000	0.00000	0.03645	1	595	-20.00000	-26.00000	99.75000
0.00000	0.00000	0.03343	1	596	-19.00000	-26.00000	99.75000
0.00000	0.00000	0.03024	1	597	-18.00000	-26.00000	99.75000
0.00000	0.00000	0.02689	1	598	-17.00000	-26.00000	99.75000
0.00000	0.00000	0.02343	1	599	-16.00000	-26.00000	99.75000
0.00000	0.00000	0.01989	1	600	-15.00000	-26.00000	99.75000
0.00000	0.00000	0.01631	1	601	-14.00000	-26.00000	99.75000
0.00000	0.00000	0.01272	1	602	-13.00000	-26.00000	99.75000
0.00000	0.00000	0.00916	1	603	-12.00000	-26.00000	99.75000
0.00000	0.00000	0.00567	1	604	-11.00000	-26.00000	99.75000
0.00000	0.00000	0.00229	1	605	-10.00000	-26.00000	99.75000
0.00000	0.00000	-0.00095	1	606	-9.00000	-26.00000	99.75000
0.00000	0.00000	-0.00401	1	607	-8.00000	-26.00000	99.75000
0.00000	0.00000	-0.00688	1	608	-7.00000	-26.00000	99.75000
0.00000	0.00000	-0.00954	1	609	-6.00000	-26.00000	99.75000
0.00000	0.00000	-0.01195	1	610	-5.00000	-26.00000	99.75000
0.00000	0.00000	-0.01412	1	611	-4.00000	-26.00000	99.75000
0.00000	0.00000	-0.01604	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.01770	1	612	-3.00000	-26.00000	99.75000
0.00000	0.00000	-0.01911	1	613	-2.00000	-26.00000	99.75000
0.00000	0.00000	-0.02028	1	614	-1.00000	-26.00000	99.75000
0.00000	0.00000	-0.02121	1	615	0.00000	-26.00000	99.75000
0.00000	0.00000	0.04970	1	616	-40.00000	-25.00000	99.75000
0.00000	0.00000	0.05146	1	617	-39.00000	-25.00000	99.75000
0.00000	0.00000	0.05311	1	618	-38.00000	-25.00000	99.75000
0.00000	0.00000	0.05461	1	619	-37.00000	-25.00000	99.75000
0.00000	0.00000	0.05593	1	620	-36.00000	-25.00000	99.75000
0.00000	0.00000	0.05704	1	621	-35.00000	-25.00000	99.75000
0.00000	0.00000	0.05793	1	622	-34.00000	-25.00000	99.75000
0.00000	0.00000	0.05855	1	623	-33.00000	-25.00000	99.75000
0.00000	0.00000	0.05888	1	624	-32.00000	-25.00000	99.75000
0.00000	0.00000	0.05891	1	625	-31.00000	-25.00000	99.75000
0.00000	0.00000	0.05862	1	626	-30.00000	-25.00000	99.75000
0.00000	0.00000	0.05800	1	627	-29.00000	-25.00000	99.75000
0.00000	0.00000	0.05704	1	628	-28.00000	-25.00000	99.75000
0.00000	0.00000	0.05574	1	629	-27.00000	-25.00000	99.75000
0.00000	0.00000	0.05409	1	630	-26.00000	-25.00000	99.75000
0.00000	0.00000	0.05211	1	631	-25.00000	-25.00000	99.75000
0.00000	0.00000	0.04980	1	632	-24.00000	-25.00000	99.75000
0.00000	0.00000	0.04719	1	633	-23.00000	-25.00000	99.75000
0.00000	0.00000	0.04428	1	634	-22.00000	-25.00000	99.75000
0.00000	0.00000	0.04111	1	635	-21.00000	-25.00000	99.75000
0.00000	0.00000	0.03769	1	636	-20.00000	-25.00000	99.75000
0.00000	0.00000	0.03406	1	637	-19.00000	-25.00000	99.75000
0.00000	0.00000	0.03025	1	638	-18.00000	-25.00000	99.75000
0.00000	0.00000	0.02630	1	639	-17.00000	-25.00000	99.75000
0.00000	0.00000	0.02226	1	640	-16.00000	-25.00000	99.75000
0.00000	0.00000	0.01817	1	641	-15.00000	-25.00000	99.75000
0.00000	0.00000	0.01406	1	642	-14.00000	-25.00000	99.75000
0.00000	0.00000	0.01000	1	643	-13.00000	-25.00000	99.75000
0.00000	0.00000	0.00602	1	644	-12.00000	-25.00000	99.75000
0.00000	0.00000	0.00217	1	645	-11.00000	-25.00000	99.75000
0.00000	0.00000	-0.00152	1	646	-10.00000	-25.00000	99.75000
0.00000	0.00000	-0.00500	1	647	-9.00000	-25.00000	99.75000
0.00000	0.00000	-0.00824	1	648	-8.00000	-25.00000	99.75000
0.00000	0.00000	-0.01123	1	649	-7.00000	-25.00000	99.75000
				650	-6.00000	-25.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.01393	1	651	-5.00000	-25.00000	99.75000
0.00000	0.00000	-0.01635	1	652	-4.00000	-25.00000	99.75000
0.00000	0.00000	-0.01846	1	653	-3.00000	-25.00000	99.75000
0.00000	0.00000	-0.02028	1	654	-2.00000	-25.00000	99.75000
0.00000	0.00000	-0.02180	1	655	-1.00000	-25.00000	99.75000
0.00000	0.00000	-0.02304	1	656	0.00000	-25.00000	99.75000
0.00000	0.00000	-0.02401	1	657	-40.00000	-24.00000	99.75000
0.00000	0.00000	0.05476	1	658	-39.00000	-24.00000	99.75000
0.00000	0.00000	0.05685	1	659	-38.00000	-24.00000	99.75000
0.00000	0.00000	0.05882	1	660	-37.00000	-24.00000	99.75000
0.00000	0.00000	0.06062	1	661	-36.00000	-24.00000	99.75000
0.00000	0.00000	0.06224	1	662	-35.00000	-24.00000	99.75000
0.00000	0.00000	0.06362	1	663	-34.00000	-24.00000	99.75000
0.00000	0.00000	0.06473	1	664	-33.00000	-24.00000	99.75000
0.00000	0.00000	0.06555	1	665	-32.00000	-24.00000	99.75000
0.00000	0.00000	0.06604	1	666	-31.00000	-24.00000	99.75000
0.00000	0.00000	0.06618	1	667	-30.00000	-24.00000	99.75000
0.00000	0.00000	0.06595	1	668	-29.00000	-24.00000	99.75000
0.00000	0.00000	0.06533	1	669	-28.00000	-24.00000	99.75000
0.00000	0.00000	0.06431	1	670	-27.00000	-24.00000	99.75000
0.00000	0.00000	0.06290	1	671	-26.00000	-24.00000	99.75000
0.00000	0.00000	0.06109	1	672	-25.00000	-24.00000	99.75000
0.00000	0.00000	0.05889	1	673	-24.00000	-24.00000	99.75000
0.00000	0.00000	0.05632	1	674	-23.00000	-24.00000	99.75000
0.00000	0.00000	0.05338	1	675	-22.00000	-24.00000	99.75000
0.00000	0.00000	0.05010	1	676	-21.00000	-24.00000	99.75000
0.00000	0.00000	0.04650	1	677	-20.00000	-24.00000	99.75000
0.00000	0.00000	0.04261	1	678	-19.00000	-24.00000	99.75000
0.00000	0.00000	0.03848	1	679	-18.00000	-24.00000	99.75000
0.00000	0.00000	0.03413	1	680	-17.00000	-24.00000	99.75000
0.00000	0.00000	0.02962	1	681	-16.00000	-24.00000	99.75000
0.00000	0.00000	0.02499	1	682	-15.00000	-24.00000	99.75000
0.00000	0.00000	0.02030	1	683	-14.00000	-24.00000	99.75000
0.00000	0.00000	0.01560	1	684	-13.00000	-24.00000	99.75000
0.00000	0.00000	0.01094	1	685	-12.00000	-24.00000	99.75000
0.00000	0.00000	0.00638	1	686	-11.00000	-24.00000	99.75000
0.00000	0.00000	0.00198	1	687	-10.00000	-24.00000	99.75000
0.00000	0.00000	-0.00223	1	688	-9.00000	-24.00000	99.75000
0.00000	0.00000	-0.00619	1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.00987	689	-8.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.01323	690	-7.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.01627	691	-6.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.01895	692	-5.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.02129	693	-4.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.02327	694	-3.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.02491	695	-2.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.02621	696	-1.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	-0.02721	697	0.00000	-24.00000	99.75000
0.00000	0.00000	0.00000	0.06039	698	-40.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06287	699	-39.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06523	700	-38.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06741	701	-37.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06938	702	-36.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07109	703	-35.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07249	704	-34.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07356	705	-33.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07424	706	-32.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07452	707	-31.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07437	708	-30.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07377	709	-29.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07270	710	-28.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.07118	711	-27.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06919	712	-26.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06675	713	-25.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06386	714	-24.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.06055	715	-23.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.05685	716	-22.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.05276	717	-21.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.04834	718	-20.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.04362	719	-19.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.03865	720	-18.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.03348	721	-17.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.02817	722	-16.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.02277	723	-15.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.01736	724	-14.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.01200	725	-13.00000	-23.00000	99.75000
0.00000	0.00000	0.00000	0.00677	726	-12.00000	-23.00000	99.75000
				727	-11.00000	-23.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:	Set: Displacements:	Set: Displacements:	Result: Coordinates:	Coordinates:	Coordinates:	
Ref.	Name	Ref.	x	y	z	
x	y	z				
0.00000	0.00000	0.00171	1			
			728	-10.00000	-23.00000	99.75000
0.00000	0.00000	-0.00311	1			
			729	-9.00000	-23.00000	99.75000
0.00000	0.00000	-0.00763	1			
			730	-8.00000	-23.00000	99.75000
0.00000	0.00000	-0.01181	1			
			731	-7.00000	-23.00000	99.75000
0.00000	0.00000	-0.01562	1			
			732	-6.00000	-23.00000	99.75000
0.00000	0.00000	-0.01902	1			
			733	-5.00000	-23.00000	99.75000
0.00000	0.00000	-0.02202	1			
			734	-4.00000	-23.00000	99.75000
0.00000	0.00000	-0.02459	1			
			735	-3.00000	-23.00000	99.75000
0.00000	0.00000	-0.02675	1			
			736	-2.00000	-23.00000	99.75000
0.00000	0.00000	-0.02850	1			
			737	-1.00000	-23.00000	99.75000
0.00000	0.00000	-0.02987	1			
			738	0.00000	-23.00000	99.75000
0.00000	0.00000	-0.03088	1			
			739	-40.00000	-22.00000	99.75000
0.00000	0.00000	0.06667	1			
			740	-39.00000	-22.00000	99.75000
0.00000	0.00000	0.06962	1			
			741	-38.00000	-22.00000	99.75000
0.00000	0.00000	0.07244	1			
			742	-37.00000	-22.00000	99.75000
0.00000	0.00000	0.07508	1			
			743	-36.00000	-22.00000	99.75000
0.00000	0.00000	0.07748	1			
			744	-35.00000	-22.00000	99.75000
0.00000	0.00000	0.07960	1			
			745	-34.00000	-22.00000	99.75000
0.00000	0.00000	0.08137	1			
			746	-33.00000	-22.00000	99.75000
0.00000	0.00000	0.08274	1			
			747	-32.00000	-22.00000	99.75000
0.00000	0.00000	0.08368	1			
			748	-31.00000	-22.00000	99.75000
0.00000	0.00000	0.08414	1			
			749	-30.00000	-22.00000	99.75000
0.00000	0.00000	0.08410	1			
			750	-29.00000	-22.00000	99.75000
0.00000	0.00000	0.08353	1			
			751	-28.00000	-22.00000	99.75000
0.00000	0.00000	0.08243	1			
			752	-27.00000	-22.00000	99.75000
0.00000	0.00000	0.08078	1			
			753	-26.00000	-22.00000	99.75000
0.00000	0.00000	0.07859	1			
			754	-25.00000	-22.00000	99.75000
0.00000	0.00000	0.07588	1			
			755	-24.00000	-22.00000	99.75000
0.00000	0.00000	0.07265	1			
			756	-23.00000	-22.00000	99.75000
0.00000	0.00000	0.06892	1			
			757	-22.00000	-22.00000	99.75000
0.00000	0.00000	0.06472	1			
			758	-21.00000	-22.00000	99.75000
0.00000	0.00000	0.06008	1			
			759	-20.00000	-22.00000	99.75000
0.00000	0.00000	0.05504	1			
			760	-19.00000	-22.00000	99.75000
0.00000	0.00000	0.04964	1			
			761	-18.00000	-22.00000	99.75000
0.00000	0.00000	0.04394	1			
			762	-17.00000	-22.00000	99.75000
0.00000	0.00000	0.03799	1			
			763	-16.00000	-22.00000	99.75000
0.00000	0.00000	0.03187	1			
			764	-15.00000	-22.00000	99.75000
0.00000	0.00000	0.02564	1			
			765	-14.00000	-22.00000	99.75000
0.00000	0.00000	0.01940	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Set: Displacements: Ref.	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.01321	1	766	-13.00000	-22.00000	99.75000
0.00000	0.00000	0.00717	1	767	-12.00000	-22.00000	99.75000
0.00000	0.00000	0.00134	1	768	-11.00000	-22.00000	99.75000
0.00000	0.00000	-0.00419	1	769	-10.00000	-22.00000	99.75000
0.00000	0.00000	-0.00937	1	770	-9.00000	-22.00000	99.75000
0.00000	0.00000	-0.01414	1	771	-8.00000	-22.00000	99.75000
0.00000	0.00000	-0.01845	1	772	-7.00000	-22.00000	99.75000
0.00000	0.00000	-0.02229	1	773	-6.00000	-22.00000	99.75000
0.00000	0.00000	-0.02563	1	774	-5.00000	-22.00000	99.75000
0.00000	0.00000	-0.02847	1	775	-4.00000	-22.00000	99.75000
0.00000	0.00000	-0.03081	1	776	-3.00000	-22.00000	99.75000
0.00000	0.00000	-0.03268	1	777	-2.00000	-22.00000	99.75000
0.00000	0.00000	-0.03410	1	778	-1.00000	-22.00000	99.75000
0.00000	0.00000	-0.03510	1	779	0.00000	-22.00000	99.75000
0.00000	0.00000	0.07366	1	780	-40.00000	-21.00000	99.75000
0.00000	0.00000	0.07718	1	781	-39.00000	-21.00000	99.75000
0.00000	0.00000	0.08057	1	782	-38.00000	-21.00000	99.75000
0.00000	0.00000	0.08377	1	783	-37.00000	-21.00000	99.75000
0.00000	0.00000	0.08672	1	784	-36.00000	-21.00000	99.75000
0.00000	0.00000	0.08933	1	785	-35.00000	-21.00000	99.75000
0.00000	0.00000	0.09156	1	786	-34.00000	-21.00000	99.75000
0.00000	0.00000	0.09332	1	787	-33.00000	-21.00000	99.75000
0.00000	0.00000	0.09458	1	788	-32.00000	-21.00000	99.75000
0.00000	0.00000	0.09528	1	789	-31.00000	-21.00000	99.75000
0.00000	0.00000	0.09539	1	790	-30.00000	-21.00000	99.75000
0.00000	0.00000	0.09488	1	791	-29.00000	-21.00000	99.75000
0.00000	0.00000	0.09374	1	792	-28.00000	-21.00000	99.75000
0.00000	0.00000	0.09196	1	793	-27.00000	-21.00000	99.75000
0.00000	0.00000	0.08956	1	794	-26.00000	-21.00000	99.75000
0.00000	0.00000	0.08654	1	795	-25.00000	-21.00000	99.75000
0.00000	0.00000	0.08291	1	796	-24.00000	-21.00000	99.75000
0.00000	0.00000	0.07871	1	797	-23.00000	-21.00000	99.75000
0.00000	0.00000	0.07395	1	798	-22.00000	-21.00000	99.75000
0.00000	0.00000	0.06867	1	799	-21.00000	-21.00000	99.75000
0.00000	0.00000	0.06291	1	800	-20.00000	-21.00000	99.75000
0.00000	0.00000	0.05672	1	801	-19.00000	-21.00000	99.75000
0.00000	0.00000	0.05016	1	802	-18.00000	-21.00000	99.75000
0.00000	0.00000	0.04330	1	803	-17.00000	-21.00000	99.75000
				804	-16.00000	-21.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.03622	1	805	-15.00000	-21.00000	99.75000
0.00000	0.00000	0.02902	1	806	-14.00000	-21.00000	99.75000
0.00000	0.00000	0.02178	1	807	-13.00000	-21.00000	99.75000
0.00000	0.00000	0.01460	1	808	-12.00000	-21.00000	99.75000
0.00000	0.00000	0.00760	1	809	-11.00000	-21.00000	99.75000
0.00000	0.00000	0.00086	1	810	-10.00000	-21.00000	99.75000
0.00000	0.00000	-0.00553	1	811	-9.00000	-21.00000	99.75000
0.00000	0.00000	-0.01148	1	812	-8.00000	-21.00000	99.75000
0.00000	0.00000	-0.01694	1	813	-7.00000	-21.00000	99.75000
0.00000	0.00000	-0.02185	1	814	-6.00000	-21.00000	99.75000
0.00000	0.00000	-0.02618	1	815	-5.00000	-21.00000	99.75000
0.00000	0.00000	-0.02990	1	816	-4.00000	-21.00000	99.75000
0.00000	0.00000	-0.03303	1	817	-3.00000	-21.00000	99.75000
0.00000	0.00000	-0.03557	1	818	-2.00000	-21.00000	99.75000
0.00000	0.00000	-0.03754	1	819	-1.00000	-21.00000	99.75000
0.00000	0.00000	-0.03899	1	820	0.00000	-21.00000	99.75000
0.00000	0.00000	-0.03996	1	821	-40.00000	-20.00000	99.75000
0.00000	0.00000	0.08147	1	822	-39.00000	-20.00000	99.75000
0.00000	0.00000	0.08568	1	823	-38.00000	-20.00000	99.75000
0.00000	0.00000	0.08976	1	824	-37.00000	-20.00000	99.75000
0.00000	0.00000	0.09366	1	825	-36.00000	-20.00000	99.75000
0.00000	0.00000	0.09727	1	826	-35.00000	-20.00000	99.75000
0.00000	0.00000	0.10051	1	827	-34.00000	-20.00000	99.75000
0.00000	0.00000	0.10331	1	828	-33.00000	-20.00000	99.75000
0.00000	0.00000	0.10557	1	829	-32.00000	-20.00000	99.75000
0.00000	0.00000	0.10723	1	830	-31.00000	-20.00000	99.75000
0.00000	0.00000	0.10824	1	831	-30.00000	-20.00000	99.75000
0.00000	0.00000	0.10854	1	832	-29.00000	-20.00000	99.75000
0.00000	0.00000	0.10812	1	833	-28.00000	-20.00000	99.75000
0.00000	0.00000	0.10695	1	834	-27.00000	-20.00000	99.75000
0.00000	0.00000	0.10504	1	835	-26.00000	-20.00000	99.75000
0.00000	0.00000	0.10240	1	836	-25.00000	-20.00000	99.75000
0.00000	0.00000	0.09904	1	837	-24.00000	-20.00000	99.75000
0.00000	0.00000	0.09497	1	838	-23.00000	-20.00000	99.75000
0.00000	0.00000	0.09022	1	839	-22.00000	-20.00000	99.75000
0.00000	0.00000	0.08482	1	840	-21.00000	-20.00000	99.75000
0.00000	0.00000	0.07881	1	841	-20.00000	-20.00000	99.75000
0.00000	0.00000	0.07221	1	842	-19.00000	-20.00000	99.75000
0.00000	0.00000	0.06510	1				



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 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	Coordinates: z
0.00000	0.00000	0.05754	1	843	-18.00000	-20.00000	99.75000
0.00000	0.00000	0.04960	1	844	-17.00000	-20.00000	99.75000
0.00000	0.00000	0.04139	1	845	-16.00000	-20.00000	99.75000
0.00000	0.00000	0.03301	1	846	-15.00000	-20.00000	99.75000
0.00000	0.00000	0.02458	1	847	-14.00000	-20.00000	99.75000
0.00000	0.00000	0.01622	1	848	-13.00000	-20.00000	99.75000
0.00000	0.00000	0.00806	1	849	-12.00000	-20.00000	99.75000
0.00000	0.00000	0.00023	1	850	-11.00000	-20.00000	99.75000
0.00000	0.00000	-0.00718	1	851	-10.00000	-20.00000	99.75000
0.00000	0.00000	-0.01406	1	852	-9.00000	-20.00000	99.75000
0.00000	0.00000	-0.02033	1	853	-8.00000	-20.00000	99.75000
0.00000	0.00000	-0.02592	1	854	-7.00000	-20.00000	99.75000
0.00000	0.00000	-0.03081	1	855	-6.00000	-20.00000	99.75000
0.00000	0.00000	-0.03498	1	856	-5.00000	-20.00000	99.75000
0.00000	0.00000	-0.03841	1	857	-4.00000	-20.00000	99.75000
0.00000	0.00000	-0.04115	1	858	-3.00000	-20.00000	99.75000
0.00000	0.00000	-0.04322	1	859	-2.00000	-20.00000	99.75000
0.00000	0.00000	-0.04467	1	860	-1.00000	-20.00000	99.75000
0.00000	0.00000	-0.04556	1	861	0.00000	-20.00000	99.75000
0.00000	0.00000	0.09020	1	862	-40.00000	-19.00000	99.75000
0.00000	0.00000	0.09524	1	863	-39.00000	-19.00000	99.75000
0.00000	0.00000	0.10018	1	864	-38.00000	-19.00000	99.75000
0.00000	0.00000	0.10493	1	865	-37.00000	-19.00000	99.75000
0.00000	0.00000	0.10937	1	866	-36.00000	-19.00000	99.75000
0.00000	0.00000	0.11341	1	867	-35.00000	-19.00000	99.75000
0.00000	0.00000	0.11693	1	868	-34.00000	-19.00000	99.75000
0.00000	0.00000	0.11982	1	869	-33.00000	-19.00000	99.75000
0.00000	0.00000	0.12200	1	870	-32.00000	-19.00000	99.75000
0.00000	0.00000	0.12340	1	871	-31.00000	-19.00000	99.75000
0.00000	0.00000	0.12396	1	872	-30.00000	-19.00000	99.75000
0.00000	0.00000	0.12366	1	873	-29.00000	-19.00000	99.75000
0.00000	0.00000	0.12248	1	874	-28.00000	-19.00000	99.75000
0.00000	0.00000	0.12043	1	875	-27.00000	-19.00000	99.75000
0.00000	0.00000	0.11752	1	876	-26.00000	-19.00000	99.75000
0.00000	0.00000	0.11377	1	877	-25.00000	-19.00000	99.75000
0.00000	0.00000	0.10920	1	878	-24.00000	-19.00000	99.75000
0.00000	0.00000	0.10383	1	879	-23.00000	-19.00000	99.75000
0.00000	0.00000	0.09771	1	880	-22.00000	-19.00000	99.75000
				881	-21.00000	-19.00000	99.75000



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Set: Displacements: Ref.	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.09084	1	882	-20.00000	-19.00000	99.75000
0.00000	0.00000	0.08329	1	883	-19.00000	-19.00000	99.75000
0.00000	0.00000	0.07510	1	884	-18.00000	-19.00000	99.75000
0.00000	0.00000	0.06635	1	885	-17.00000	-19.00000	99.75000
0.00000	0.00000	0.05713	1	886	-16.00000	-19.00000	99.75000
0.00000	0.00000	0.04756	1	887	-15.00000	-19.00000	99.75000
0.00000	0.00000	0.03777	1	888	-14.00000	-19.00000	99.75000
0.00000	0.00000	0.02791	1	889	-13.00000	-19.00000	99.75000
0.00000	0.00000	0.01812	1	890	-12.00000	-19.00000	99.75000
0.00000	0.00000	0.00858	1	891	-11.00000	-19.00000	99.75000
0.00000	0.00000	-0.00059	1	892	-10.00000	-19.00000	99.75000
0.00000	0.00000	-0.00922	1	893	-9.00000	-19.00000	99.75000
0.00000	0.00000	-0.01720	1	894	-8.00000	-19.00000	99.75000
0.00000	0.00000	-0.02443	1	895	-7.00000	-19.00000	99.75000
0.00000	0.00000	-0.03084	1	896	-6.00000	-19.00000	99.75000
0.00000	0.00000	-0.03638	1	897	-5.00000	-19.00000	99.75000
0.00000	0.00000	-0.04103	1	898	-4.00000	-19.00000	99.75000
0.00000	0.00000	-0.04480	1	899	-3.00000	-19.00000	99.75000
0.00000	0.00000	-0.04773	1	900	-2.00000	-19.00000	99.75000
0.00000	0.00000	-0.04987	1	901	-1.00000	-19.00000	99.75000
0.00000	0.00000	-0.05128	1	902	0.00000	-19.00000	99.75000
0.00000	0.00000	-0.05203	1	903	-40.00000	-18.00000	99.75000
0.00000	0.00000	0.09997	1	904	-39.00000	-18.00000	99.75000
0.00000	0.00000	0.10602	1	905	-38.00000	-18.00000	99.75000
0.00000	0.00000	0.11201	1	906	-37.00000	-18.00000	99.75000
0.00000	0.00000	0.11783	1	907	-36.00000	-18.00000	99.75000
0.00000	0.00000	0.12332	1	908	-35.00000	-18.00000	99.75000
0.00000	0.00000	0.12836	1	909	-34.00000	-18.00000	99.75000
0.00000	0.00000	0.13280	1	910	-33.00000	-18.00000	99.75000
0.00000	0.00000	0.13650	1	911	-32.00000	-18.00000	99.75000
0.00000	0.00000	0.13935	1	912	-31.00000	-18.00000	99.75000
0.00000	0.00000	0.14125	1	913	-30.00000	-18.00000	99.75000
0.00000	0.00000	0.14215	1	914	-29.00000	-18.00000	99.75000
0.00000	0.00000	0.14201	1	915	-28.00000	-18.00000	99.75000
0.00000	0.00000	0.14083	1	916	-27.00000	-18.00000	99.75000
0.00000	0.00000	0.13861	1	917	-26.00000	-18.00000	99.75000
0.00000	0.00000	0.13540	1	918	-25.00000	-18.00000	99.75000
0.00000	0.00000	0.13121	1	919	-24.00000	-18.00000	99.75000
0.00000	0.00000	0.12608	1				



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 Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.12002	1	920	-23.00000	-18.00000	99.75000
0.00000	0.00000	0.11306	1	921	-22.00000	-18.00000	99.75000
0.00000	0.00000	0.10523	1	922	-21.00000	-18.00000	99.75000
0.00000	0.00000	0.09656	1	923	-20.00000	-18.00000	99.75000
0.00000	0.00000	0.08712	1	924	-19.00000	-18.00000	99.75000
0.00000	0.00000	0.07697	1	925	-18.00000	-18.00000	99.75000
0.00000	0.00000	0.06623	1	926	-17.00000	-18.00000	99.75000
0.00000	0.00000	0.05503	1	927	-16.00000	-18.00000	99.75000
0.00000	0.00000	0.04354	1	928	-15.00000	-18.00000	99.75000
0.00000	0.00000	0.03193	1	929	-14.00000	-18.00000	99.75000
0.00000	0.00000	0.02040	1	930	-13.00000	-18.00000	99.75000
0.00000	0.00000	0.00916	1	931	-12.00000	-18.00000	99.75000
0.00000	0.00000	-0.00162	1	932	-11.00000	-18.00000	99.75000
0.00000	0.00000	-0.01174	1	933	-10.00000	-18.00000	99.75000
0.00000	0.00000	-0.02105	1	934	-9.00000	-18.00000	99.75000
0.00000	0.00000	-0.02943	1	935	-8.00000	-18.00000	99.75000
0.00000	0.00000	-0.03679	1	936	-7.00000	-18.00000	99.75000
0.00000	0.00000	-0.04308	1	937	-6.00000	-18.00000	99.75000
0.00000	0.00000	-0.04827	1	938	-5.00000	-18.00000	99.75000
0.00000	0.00000	-0.05240	1	939	-4.00000	-18.00000	99.75000
0.00000	0.00000	-0.05551	1	940	-3.00000	-18.00000	99.75000
0.00000	0.00000	-0.05767	1	941	-2.00000	-18.00000	99.75000
0.00000	0.00000	-0.05898	1	942	-1.00000	-18.00000	99.75000
0.00000	0.00000	-0.05953	1	943	0.00000	-18.00000	99.75000
0.00000	0.00000	0.11089	1	944	-40.00000	-17.00000	99.75000
0.00000	0.00000	0.11819	1	945	-39.00000	-17.00000	99.75000
0.00000	0.00000	0.12549	1	946	-38.00000	-17.00000	99.75000
0.00000	0.00000	0.13265	1	947	-37.00000	-17.00000	99.75000
0.00000	0.00000	0.13948	1	948	-36.00000	-17.00000	99.75000
0.00000	0.00000	0.14581	1	949	-35.00000	-17.00000	99.75000
0.00000	0.00000	0.15143	1	950	-34.00000	-17.00000	99.75000
0.00000	0.00000	0.15617	1	951	-33.00000	-17.00000	99.75000
0.00000	0.00000	0.15988	1	952	-32.00000	-17.00000	99.75000
0.00000	0.00000	0.16243	1	953	-31.00000	-17.00000	99.75000
0.00000	0.00000	0.16375	1	954	-30.00000	-17.00000	99.75000
0.00000	0.00000	0.16381	1	955	-29.00000	-17.00000	99.75000
0.00000	0.00000	0.16263	1	956	-28.00000	-17.00000	99.75000
0.00000	0.00000	0.16024	1	957	-27.00000	-17.00000	99.75000
				958	-26.00000	-17.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.15667	959	-25.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.15199	960	-24.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.14622	961	-23.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.13938	962	-22.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.13149	963	-21.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.12255	964	-20.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.11261	965	-19.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.10169	966	-18.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.08989	967	-17.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.07732	968	-16.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.06415	969	-15.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.05058	970	-14.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.03684	971	-13.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.02317	972	-12.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	0.00984	973	-11.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.00291	974	-10.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.01485	975	-9.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.02578	976	-8.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.03555	977	-7.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.04404	978	-6.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.05119	979	-5.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.05700	980	-4.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.06149	981	-3.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.06475	982	-2.00000	-17.00000	99.75000
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0.00000	0.00000	0.00000	-0.06798	984	0.00000	-17.00000	99.75000
0.00000	0.00000	0.00000	-0.06822	985	-40.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.12311	986	-39.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.13195	987	-38.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.14089	988	-37.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.14975	989	-36.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.15830	990	-35.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.16629	991	-34.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.17346	992	-33.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.17956	993	-32.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.18438	994	-31.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.18775	995	-30.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.18961	996	-29.00000	-16.00000	99.75000
0.00000	0.00000	0.00000	0.18992				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.18873	1	997	-28.00000	-16.00000	99.75000
0.00000	0.00000	0.18611	1	998	-27.00000	-16.00000	99.75000
0.00000	0.00000	0.18214	1	999	-26.00000	-16.00000	99.75000
0.00000	0.00000	0.17689	1	1000	-25.00000	-16.00000	99.75000
0.00000	0.00000	0.17040	1	1001	-24.00000	-16.00000	99.75000
0.00000	0.00000	0.16269	1	1002	-23.00000	-16.00000	99.75000
0.00000	0.00000	0.15376	1	1003	-22.00000	-16.00000	99.75000
0.00000	0.00000	0.14358	1	1004	-21.00000	-16.00000	99.75000
0.00000	0.00000	0.13217	1	1005	-20.00000	-16.00000	99.75000
0.00000	0.00000	0.11954	1	1006	-19.00000	-16.00000	99.75000
0.00000	0.00000	0.10578	1	1007	-18.00000	-16.00000	99.75000
0.00000	0.00000	0.09101	1	1008	-17.00000	-16.00000	99.75000
0.00000	0.00000	0.07544	1	1009	-16.00000	-16.00000	99.75000
0.00000	0.00000	0.05931	1	1010	-15.00000	-16.00000	99.75000
0.00000	0.00000	0.04293	1	1011	-14.00000	-16.00000	99.75000
0.00000	0.00000	0.02661	1	1012	-13.00000	-16.00000	99.75000
0.00000	0.00000	0.01068	1	1013	-12.00000	-16.00000	99.75000
0.00000	0.00000	-0.00453	1	1014	-11.00000	-16.00000	99.75000
0.00000	0.00000	-0.01872	1	1015	-10.00000	-16.00000	99.75000
0.00000	0.00000	-0.03164	1	1016	-9.00000	-16.00000	99.75000
0.00000	0.00000	-0.04309	1	1017	-8.00000	-16.00000	99.75000
0.00000	0.00000	-0.05293	1	1018	-7.00000	-16.00000	99.75000
0.00000	0.00000	-0.06108	1	1019	-6.00000	-16.00000	99.75000
0.00000	0.00000	-0.06756	1	1020	-5.00000	-16.00000	99.75000
0.00000	0.00000	-0.07242	1	1021	-4.00000	-16.00000	99.75000
0.00000	0.00000	-0.07576	1	1022	-3.00000	-16.00000	99.75000
0.00000	0.00000	-0.07775	1	1023	-2.00000	-16.00000	99.75000
0.00000	0.00000	-0.07854	1	1024	-1.00000	-16.00000	99.75000
0.00000	0.00000	-0.07832	1	1025	0.00000	-16.00000	99.75000
0.00000	0.00000	0.13678	1	1026	-40.00000	-15.00000	99.75000
0.00000	0.00000	0.14752	1	1027	-39.00000	-15.00000	99.75000
0.00000	0.00000	0.15852	1	1028	-38.00000	-15.00000	99.75000
0.00000	0.00000	0.16956	1	1029	-37.00000	-15.00000	99.75000
0.00000	0.00000	0.18033	1	1030	-36.00000	-15.00000	99.75000
0.00000	0.00000	0.19051	1	1031	-35.00000	-15.00000	99.75000
0.00000	0.00000	0.19973	1	1032	-34.00000	-15.00000	99.75000
0.00000	0.00000	0.20763	1	1033	-33.00000	-15.00000	99.75000
0.00000	0.00000	0.21391	1	1034	-32.00000	-15.00000	99.75000
				1035	-31.00000	-15.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.21835	1036	-30.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.22087	1037	-29.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.22146	1038	-28.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.22022	1039	-27.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.21730	1040	-26.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.21282	1041	-25.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.20691	1042	-24.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.19963	1043	-23.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.19097	1044	-22.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.18090	1045	-21.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.16935	1046	-20.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.15627	1047	-19.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.14165	1048	-18.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.12555	1049	-17.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.10812	1050	-16.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.08959	1051	-15.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.07029	1052	-14.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.05060	1053	-13.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.03095	1054	-12.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	0.01176	1055	-11.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.00653	1056	-10.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.02353	1057	-9.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.03892	1058	-8.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.05243	1059	-7.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.06389	1060	-6.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.07322	1061	-5.00000	-15.00000	99.75000
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0.00000	0.00000	0.00000	-0.08562	1063	-3.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.08896	1064	-2.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.09066	1065	-1.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.09095	1066	0.00000	-15.00000	99.75000
0.00000	0.00000	0.00000	-0.09008	1067	-40.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.15203	1068	-39.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.16514	1069	-38.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.17875	1070	-37.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.19261	1071	-36.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.20632	1072	-35.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.21942	1073	-34.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.23139				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.24172	1074	-33.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.24995	1075	-32.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.25578	1076	-31.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.25910	1077	-30.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.25996	1078	-29.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.25857	1079	-28.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.25518	1080	-27.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.25005	1081	-26.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.24337	1082	-25.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.23521	1083	-24.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.22555	1084	-23.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.21428	1085	-22.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.20125	1086	-21.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.18631	1087	-20.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.16938	1088	-19.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.15050	1089	-18.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.12980	1090	-17.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.10760	1091	-16.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.08431	1092	-15.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.06044	1093	-14.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.03655	1094	-13.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.01323	1095	-12.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.00898	1096	-11.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.02955	1097	-10.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.04804	1098	-9.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.06410	1099	-8.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.07752	1100	-7.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.08821	1101	-6.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.09621	1102	-5.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.10167	1103	-4.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.10485	1104	-3.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.10604	1105	-2.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.10558	1106	-1.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	-0.10379	1107	0.00000	-14.00000	99.75000
0.00000	0.00000	0.00000	0.16900	1108	-40.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.18505	1109	-39.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.20200	1110	-38.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.21954	1111	-37.00000	-13.00000	99.75000
				1112	-36.00000	-13.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.23718	1113	-35.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.25427	1114	-34.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.27004	1115	-33.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.28371	1116	-32.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.29459	1117	-31.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.30223	1118	-30.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.30648	1119	-29.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.30753	1120	-28.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.30575	1121	-27.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.30163	1122	-26.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.29561	1123	-25.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.28800	1124	-24.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.27891	1125	-23.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.26824	1126	-22.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.25578	1127	-21.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.24122	1128	-20.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.22426	1129	-19.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.20468	1130	-18.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.18246	1131	-17.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.15774	1132	-16.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.13092	1133	-15.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.10254	1134	-14.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.07330	1135	-13.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.04396	1136	-12.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	0.01529	1137	-11.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.01195	1138	-10.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.03708	1139	-9.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.05952	1140	-8.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.07880	1141	-7.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.09463	1142	-6.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.10691	1143	-5.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.11572	1144	-4.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.12131	1145	-3.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.12407	1146	-2.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.12443	1147	-1.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.12285	1148	0.00000	-13.00000	99.75000
0.00000	0.00000	0.00000	-0.11978	1149	-40.00000	-12.00000	99.75000
0.00000	0.00000	0.00000	0.18778	1150	-39.00000	-12.00000	99.75000
0.00000	0.00000	0.00000	0.20748				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.22871	1	1151	-38.00000	-12.00000	99.75000
0.00000	0.00000	0.25112	1	1152	-37.00000	-12.00000	99.75000
0.00000	0.00000	0.27410	1	1153	-36.00000	-12.00000	99.75000
0.00000	0.00000	0.29674	1	1154	-35.00000	-12.00000	99.75000
0.00000	0.00000	0.31791	1	1155	-34.00000	-12.00000	99.75000
0.00000	0.00000	0.33634	1	1156	-33.00000	-12.00000	99.75000
0.00000	0.00000	0.35093	1	1157	-32.00000	-12.00000	99.75000
0.00000	0.00000	0.36095	1	1158	-31.00000	-12.00000	99.75000
0.00000	0.00000	0.36624	1	1159	-30.00000	-12.00000	99.75000
0.00000	0.00000	0.36718	1	1160	-29.00000	-12.00000	99.75000
0.00000	0.00000	0.36453	1	1161	-28.00000	-12.00000	99.75000
0.00000	0.00000	0.35918	1	1162	-27.00000	-12.00000	99.75000
0.00000	0.00000	0.35188	1	1163	-26.00000	-12.00000	99.75000
0.00000	0.00000	0.34314	1	1164	-25.00000	-12.00000	99.75000
0.00000	0.00000	0.33308	1	1165	-24.00000	-12.00000	99.75000
0.00000	0.00000	0.32153	1	1166	-23.00000	-12.00000	99.75000
0.00000	0.00000	0.30803	1	1167	-22.00000	-12.00000	99.75000
0.00000	0.00000	0.29203	1	1168	-21.00000	-12.00000	99.75000
0.00000	0.00000	0.27296	1	1169	-20.00000	-12.00000	99.75000
0.00000	0.00000	0.25039	1	1170	-19.00000	-12.00000	99.75000
0.00000	0.00000	0.22415	1	1171	-18.00000	-12.00000	99.75000
0.00000	0.00000	0.19440	1	1172	-17.00000	-12.00000	99.75000
0.00000	0.00000	0.16164	1	1173	-16.00000	-12.00000	99.75000
0.00000	0.00000	0.12666	1	1174	-15.00000	-12.00000	99.75000
0.00000	0.00000	0.09043	1	1175	-14.00000	-12.00000	99.75000
0.00000	0.00000	0.05398	1	1176	-13.00000	-12.00000	99.75000
0.00000	0.00000	0.01835	1	1177	-12.00000	-12.00000	99.75000
0.00000	0.00000	-0.01546	1	1178	-11.00000	-12.00000	99.75000
0.00000	0.00000	-0.04655	1	1179	-10.00000	-12.00000	99.75000
0.00000	0.00000	-0.07410	1	1180	-9.00000	-12.00000	99.75000
0.00000	0.00000	-0.09749	1	1181	-8.00000	-12.00000	99.75000
0.00000	0.00000	-0.11632	1	1182	-7.00000	-12.00000	99.75000
0.00000	0.00000	-0.13045	1	1183	-6.00000	-12.00000	99.75000
0.00000	0.00000	-0.14005	1	1184	-5.00000	-12.00000	99.75000
0.00000	0.00000	-0.14553	1	1185	-4.00000	-12.00000	99.75000
0.00000	0.00000	-0.14746	1	1186	-3.00000	-12.00000	99.75000
0.00000	0.00000	-0.14650	1	1187	-2.00000	-12.00000	99.75000
0.00000	0.00000	-0.14329	1	1188	-1.00000	-12.00000	99.75000
				1189	0.00000	-12.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref.	Displacements: y	Set: Displacements: Ref. Name	z	1	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	-0.13844		1	1190	-40.00000	-11.00000	99.75000
0.00000	0.00000	0.20838		1	1191	-39.00000	-11.00000	99.75000
0.00000	0.00000	0.23260		1	1192	-38.00000	-11.00000	99.75000
0.00000	0.00000	0.25932		1	1193	-37.00000	-11.00000	99.75000
0.00000	0.00000	0.28822		1	1194	-36.00000	-11.00000	99.75000
0.00000	0.00000	0.31859		1	1195	-35.00000	-11.00000	99.75000
0.00000	0.00000	0.34919		1	1196	-34.00000	-11.00000	99.75000
0.00000	0.00000	0.37825		1	1197	-33.00000	-11.00000	99.75000
0.00000	0.00000	0.40373		1	1198	-32.00000	-11.00000	99.75000
0.00000	0.00000	0.42370		1	1199	-31.00000	-11.00000	99.75000
0.00000	0.00000	0.43692		1	1200	-30.00000	-11.00000	99.75000
0.00000	0.00000	0.44320		1	1201	-29.00000	-11.00000	99.75000
0.00000	0.00000	0.44336		1	1202	-28.00000	-11.00000	99.75000
0.00000	0.00000	0.43889		1	1203	-27.00000	-11.00000	99.75000
0.00000	0.00000	0.43137		1	1204	-26.00000	-11.00000	99.75000
0.00000	0.00000	0.42215		1	1205	-25.00000	-11.00000	99.75000
0.00000	0.00000	0.41199		1	1206	-24.00000	-11.00000	99.75000
0.00000	0.00000	0.40105		1	1207	-23.00000	-11.00000	99.75000
0.00000	0.00000	0.38893		1	1208	-22.00000	-11.00000	99.75000
0.00000	0.00000	0.37484		1	1209	-21.00000	-11.00000	99.75000
0.00000	0.00000	0.35775		1	1210	-20.00000	-11.00000	99.75000
0.00000	0.00000	0.33665		1	1211	-19.00000	-11.00000	99.75000
0.00000	0.00000	0.31075		1	1212	-18.00000	-11.00000	99.75000
0.00000	0.00000	0.27964		1	1213	-17.00000	-11.00000	99.75000
0.00000	0.00000	0.24347		1	1214	-16.00000	-11.00000	99.75000
0.00000	0.00000	0.20296		1	1215	-15.00000	-11.00000	99.75000
0.00000	0.00000	0.15925		1	1216	-14.00000	-11.00000	99.75000
0.00000	0.00000	0.11373		1	1217	-13.00000	-11.00000	99.75000
0.00000	0.00000	0.06787		1	1218	-12.00000	-11.00000	99.75000
0.00000	0.00000	0.02303		1	1219	-11.00000	-11.00000	99.75000
0.00000	0.00000	-0.01947		1	1220	-10.00000	-11.00000	99.75000
0.00000	0.00000	-0.05844		1	1221	-9.00000	-11.00000	99.75000
0.00000	0.00000	-0.09276		1	1222	-8.00000	-11.00000	99.75000
0.00000	0.00000	-0.12153		1	1223	-7.00000	-11.00000	99.75000
0.00000	0.00000	-0.14414		1	1224	-6.00000	-11.00000	99.75000
0.00000	0.00000	-0.16044		1	1225	-5.00000	-11.00000	99.75000
0.00000	0.00000	-0.17071		1	1226	-4.00000	-11.00000	99.75000
0.00000	0.00000	-0.17563		1	1227	-3.00000	-11.00000	99.75000
0.00000	0.00000	-0.17610		1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.17308	1228	-2.00000	-11.00000	99.75000
0.00000	0.00000	0.00000	-0.16752	1229	-1.00000	-11.00000	99.75000
0.00000	0.00000	0.00000	-0.16021	1230	0.00000	-11.00000	99.75000
0.00000	0.00000	0.00000	0.23067	1231	-40.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.26044	1232	-39.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.29418	1233	-38.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.33178	1234	-37.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.37253	1235	-36.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.41482	1236	-35.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.45594	1237	-34.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.49236	1238	-33.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.52054	1239	-32.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.53816	1240	-31.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.54501	1241	-30.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.54289	1242	-29.00000	-10.00000	99.75000
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0.00000	0.00000	0.00000	0.52336	1244	-27.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.51112	1245	-26.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.49918	1246	-25.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.48763	1247	-24.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.47569	1248	-23.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.46190	1249	-22.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.44453	1250	-21.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.42184	1251	-20.00000	-10.00000	99.75000
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0.00000	0.00000	0.00000	0.35528	1253	-18.00000	-10.00000	99.75000
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0.00000	0.00000	0.00000	0.20422	1256	-15.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.14617	1257	-14.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.08766	1258	-13.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	0.03051	1259	-12.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.02366	1260	-11.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.07328	1261	-10.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.11680	1262	-9.00000	-10.00000	99.75000
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0.00000	0.00000	0.00000	-0.18036	1264	-7.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.19918	1265	-6.00000	-10.00000	99.75000
				1266	-5.00000	-10.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
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0.00000	0.00000	0.00000	-0.21339	1268	-3.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.21135	1269	-2.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.20519	1270	-1.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.19623	1271	0.00000	-10.00000	99.75000
0.00000	0.00000	0.00000	-0.18555	1272	-40.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.25435	1273	-39.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.29077	1274	-38.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.33336	1275	-37.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.38258	1276	-36.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.43810	1277	-35.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.49810	1278	-34.00000	-9.00000	99.75000
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0.00000	0.00000	0.00000	0.61301	1280	-32.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.65456	1281	-31.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.67842	1282	-30.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.68445	1283	-29.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.67672	1284	-28.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.66109	1285	-27.00000	-9.00000	99.75000
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0.00000	0.00000	0.00000	0.62590	1287	-25.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.61174	1288	-24.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.60031	1289	-23.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.58997	1290	-22.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.57820	1291	-21.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.56216	1292	-20.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.53892	1293	-19.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.50588	1294	-18.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.46139	1295	-17.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.40547	1296	-16.00000	-9.00000	99.75000
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0.00000	0.00000	0.00000	0.19242	1299	-13.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.11672	1300	-12.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.04295	1301	-11.00000	-9.00000	99.75000
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0.00000	0.00000	0.00000	-0.09145	1303	-9.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.14793	1304	-8.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.19415				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.22837	1305	-7.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.25012	1306	-6.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.26040	1307	-5.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.26122	1308	-4.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.25500	1309	-3.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.24404	1310	-2.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.23021	1311	-1.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	-0.21494	1312	0.00000	-9.00000	99.75000
0.00000	0.00000	0.00000	0.27878	1313	-40.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.32292	1314	-39.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.37638	1315	-38.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.44088	1316	-37.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.51745	1317	-36.00000	-8.00000	99.75000
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0.00000	0.00000	0.00000	0.88311	1322	-31.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.88419	1323	-30.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.86342	1324	-29.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.83313	1325	-28.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.80282	1326	-27.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.77816	1327	-26.00000	-8.00000	99.75000
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0.00000	0.00000	0.00000	0.75175	1329	-24.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.74569	1330	-23.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.73883	1331	-22.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.72688	1332	-21.00000	-8.00000	99.75000
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0.00000	0.00000	0.00000	0.36007	1338	-15.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.26018	1339	-14.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.16092	1340	-13.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	0.06468	1341	-12.00000	-8.00000	99.75000
0.00000	0.00000	0.00000	-0.02708	1342	-11.00000	-8.00000	99.75000
0.00000	0.00000	0.00000		1343	-10.00000	-8.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:
Displacements:	Displacements:	Displacements:	Ref.	x	y	z
Ref.		Name				
x	y	z				
0.00000	0.00000	-0.11251	1			
			1344	-9.00000	-8.00000	99.75000
0.00000	0.00000	-0.18822	1			
			1345	-8.00000	-8.00000	99.75000
0.00000	0.00000	-0.24979	1			
			1346	-7.00000	-8.00000	99.75000
0.00000	0.00000	-0.29358	1			
			1347	-6.00000	-8.00000	99.75000
0.00000	0.00000	-0.31861	1			
			1348	-5.00000	-8.00000	99.75000
0.00000	0.00000	-0.32695	1			
			1349	-4.00000	-8.00000	99.75000
0.00000	0.00000	-0.32245	1			
			1350	-3.00000	-8.00000	99.75000
0.00000	0.00000	-0.30930	1			
			1351	-2.00000	-8.00000	99.75000
0.00000	0.00000	-0.29104	1			
			1352	-1.00000	-8.00000	99.75000
0.00000	0.00000	-0.27028	1			
			1353	0.00000	-8.00000	99.75000
0.00000	0.00000	-0.24878	1			
			1354	-40.00000	-7.00000	99.75000
0.00000	0.00000	0.30299	1			
			1355	-39.00000	-7.00000	99.75000
0.00000	0.00000	0.35561	1			
			1356	-38.00000	-7.00000	99.75000
0.00000	0.00000	0.42175	1			
			1357	-37.00000	-7.00000	99.75000
0.00000	0.00000	0.50557	1			
			1358	-36.00000	-7.00000	99.75000
0.00000	0.00000	0.61160	1			
			1359	-35.00000	-7.00000	99.75000
0.00000	0.00000	0.74247	1			
			1360	-34.00000	-7.00000	99.75000
0.00000	0.00000	0.89349	1			
			1361	-33.00000	-7.00000	99.75000
0.00000	0.00000	1.04417	1			
			1362	-32.00000	-7.00000	99.75000
0.00000	0.00000	1.15774	1			
			1363	-31.00000	-7.00000	99.75000
0.00000	0.00000	1.20433	1			
			1364	-30.00000	-7.00000	99.75000
0.00000	0.00000	1.18794	1			
			1365	-29.00000	-7.00000	99.75000
0.00000	0.00000	1.13704	1			
			1366	-28.00000	-7.00000	99.75000
0.00000	0.00000	1.07814	1			
			1367	-27.00000	-7.00000	99.75000
0.00000	0.00000	1.02660	1			
			1368	-26.00000	-7.00000	99.75000
0.00000	0.00000	0.98989	1			
			1369	-25.00000	-7.00000	99.75000
0.00000	0.00000	0.97065	1			
			1370	-24.00000	-7.00000	99.75000
0.00000	0.00000	0.96642	1			
			1371	-23.00000	-7.00000	99.75000
0.00000	0.00000	0.96947	1			
			1372	-22.00000	-7.00000	99.75000
0.00000	0.00000	0.97135	1			
			1373	-21.00000	-7.00000	99.75000
0.00000	0.00000	0.96740	1			
			1374	-20.00000	-7.00000	99.75000
0.00000	0.00000	0.95214	1			
			1375	-19.00000	-7.00000	99.75000
0.00000	0.00000	0.91574	1			
			1376	-18.00000	-7.00000	99.75000
0.00000	0.00000	0.84978	1			
			1377	-17.00000	-7.00000	99.75000
0.00000	0.00000	0.75291	1			
			1378	-16.00000	-7.00000	99.75000
0.00000	0.00000	0.63191	1			
			1379	-15.00000	-7.00000	99.75000
0.00000	0.00000	0.49832	1			
			1380	-14.00000	-7.00000	99.75000
0.00000	0.00000	0.36272	1			
			1381	-13.00000	-7.00000	99.75000
0.00000	0.00000	0.23110	1			



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.10498	1	1382	-12.00000	-7.00000	99.75000
0.00000	0.00000	-0.01651	1	1383	-11.00000	-7.00000	99.75000
0.00000	0.00000	-0.13308	1	1384	-10.00000	-7.00000	99.75000
0.00000	0.00000	-0.23959	1	1385	-9.00000	-7.00000	99.75000
0.00000	0.00000	-0.32649	1	1386	-8.00000	-7.00000	99.75000
0.00000	0.00000	-0.38518	1	1387	-7.00000	-7.00000	99.75000
0.00000	0.00000	-0.41348	1	1388	-6.00000	-7.00000	99.75000
0.00000	0.00000	-0.41627	1	1389	-5.00000	-7.00000	99.75000
0.00000	0.00000	-0.40162	1	1390	-4.00000	-7.00000	99.75000
0.00000	0.00000	-0.37696	1	1391	-3.00000	-7.00000	99.75000
0.00000	0.00000	-0.34766	1	1392	-2.00000	-7.00000	99.75000
0.00000	0.00000	-0.31714	1	1393	-1.00000	-7.00000	99.75000
0.00000	0.00000	-0.28736	1	1394	0.00000	-7.00000	99.75000
0.00000	0.00000	0.32564	1	1395	-40.00000	-6.00000	99.75000
0.00000	0.00000	0.38678	1	1396	-39.00000	-6.00000	99.75000
0.00000	0.00000	0.46647	1	1397	-38.00000	-6.00000	99.75000
0.00000	0.00000	0.57286	1	1398	-37.00000	-6.00000	99.75000
0.00000	0.00000	0.71769	1	1399	-36.00000	-6.00000	99.75000
0.00000	0.00000	0.91558	1	1400	-35.00000	-6.00000	99.75000
0.00000	0.00000	1.17528	1	1401	-34.00000	-6.00000	99.75000
0.00000	0.00000	1.47006	1	1402	-33.00000	-6.00000	99.75000
0.00000	0.00000	1.70148	1	1403	-32.00000	-6.00000	99.75000
0.00000	0.00000	1.76569	1	1404	-31.00000	-6.00000	99.75000
0.00000	0.00000	1.68959	1	1405	-30.00000	-6.00000	99.75000
0.00000	0.00000	1.56803	1	1406	-29.00000	-6.00000	99.75000
0.00000	0.00000	1.45517	1	1407	-28.00000	-6.00000	99.75000
0.00000	0.00000	1.36799	1	1408	-27.00000	-6.00000	99.75000
0.00000	0.00000	1.31203	1	1409	-26.00000	-6.00000	99.75000
0.00000	0.00000	1.29104	1	1410	-25.00000	-6.00000	99.75000
0.00000	0.00000	1.30145	1	1411	-24.00000	-6.00000	99.75000
0.00000	0.00000	1.32284	1	1412	-23.00000	-6.00000	99.75000
0.00000	0.00000	1.33297	1	1413	-22.00000	-6.00000	99.75000
0.00000	0.00000	1.33770	1	1414	-21.00000	-6.00000	99.75000
0.00000	0.00000	1.33866	1	1415	-20.00000	-6.00000	99.75000
0.00000	0.00000	1.30964	1	1416	-19.00000	-6.00000	99.75000
0.00000	0.00000	1.22815	1	1417	-18.00000	-6.00000	99.75000
0.00000	0.00000	1.08972	1	1418	-17.00000	-6.00000	99.75000
0.00000	0.00000	0.90932	1	1419	-16.00000	-6.00000	99.75000
				1420	-15.00000	-6.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.71389	1	1421	-14.00000	-6.00000	99.75000
0.00000	0.00000	0.52458	1	1422	-13.00000	-6.00000	99.75000
0.00000	0.00000	0.34909	1	1423	-12.00000	-6.00000	99.75000
0.00000	0.00000	0.18532	1	1424	-11.00000	-6.00000	99.75000
0.00000	0.00000	0.02527	1	1425	-10.00000	-6.00000	99.75000
0.00000	0.00000	-0.13931	1	1426	-9.00000	-6.00000	99.75000
0.00000	0.00000	-0.30092	1	1427	-8.00000	-6.00000	99.75000
0.00000	0.00000	-0.43584	1	1428	-7.00000	-6.00000	99.75000
0.00000	0.00000	-0.52073	1	1429	-6.00000	-6.00000	99.75000
0.00000	0.00000	-0.55031	1	1430	-5.00000	-6.00000	99.75000
0.00000	0.00000	-0.53888	1	1431	-4.00000	-6.00000	99.75000
0.00000	0.00000	-0.50473	1	1432	-3.00000	-6.00000	99.75000
0.00000	0.00000	-0.46101	1	1433	-2.00000	-6.00000	99.75000
0.00000	0.00000	-0.41523	1	1434	-1.00000	-6.00000	99.75000
0.00000	0.00000	-0.37121	1	1435	0.00000	-6.00000	99.75000
0.00000	0.00000	-0.33065	1	1436	-40.00000	-5.00000	99.75000
0.00000	0.00000	0.34520	1	1437	-39.00000	-5.00000	99.75000
0.00000	0.00000	0.41378	1	1438	-38.00000	-5.00000	99.75000
0.00000	0.00000	0.50589	1	1439	-37.00000	-5.00000	99.75000
0.00000	0.00000	0.63478	1	1440	-36.00000	-5.00000	99.75000
0.00000	0.00000	0.82394	1	1441	-35.00000	-5.00000	99.75000
0.00000	0.00000	1.11555	1	1442	-34.00000	-5.00000	99.75000
0.00000	0.00000	1.57797	1	1443	-33.00000	-5.00000	99.75000
0.00000	0.00000	2.25636	1	1444	-32.00000	-5.00000	99.75000
0.00000	0.00000	2.89005	1	1445	-31.00000	-5.00000	99.75000
0.00000	0.00000	2.94110	1	1446	-30.00000	-5.00000	99.75000
0.00000	0.00000	2.63505	1	1447	-29.00000	-5.00000	99.75000
0.00000	0.00000	2.35021	1	1448	-28.00000	-5.00000	99.75000
0.00000	0.00000	2.14492	1	1449	-27.00000	-5.00000	99.75000
0.00000	0.00000	2.00216	1	1450	-26.00000	-5.00000	99.75000
0.00000	0.00000	1.91191	1	1451	-25.00000	-5.00000	99.75000
0.00000	0.00000	1.88613	1	1452	-24.00000	-5.00000	99.75000
0.00000	0.00000	1.93666	1	1453	-23.00000	-5.00000	99.75000
0.00000	0.00000	2.00423	1	1454	-22.00000	-5.00000	99.75000
0.00000	0.00000	1.97028	1	1455	-21.00000	-5.00000	99.75000
0.00000	0.00000	1.94403	1	1456	-20.00000	-5.00000	99.75000
0.00000	0.00000	1.99301	1	1457	-19.00000	-5.00000	99.75000
0.00000	0.00000	1.99532	1	1458	-18.00000	-5.00000	99.75000
0.00000	0.00000	1.89486	1				



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Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	1.67821	1	1459	-17.00000	-5.00000	99.75000
0.00000	0.00000	1.37731	1	1460	-16.00000	-5.00000	99.75000
0.00000	0.00000	1.06868	1	1461	-15.00000	-5.00000	99.75000
0.00000	0.00000	0.79645	1	1462	-14.00000	-5.00000	99.75000
0.00000	0.00000	0.56351	1	1463	-13.00000	-5.00000	99.75000
0.00000	0.00000	0.35894	1	1464	-12.00000	-5.00000	99.75000
0.00000	0.00000	0.16527	1	1465	-11.00000	-5.00000	99.75000
0.00000	0.00000	-0.07341	1	1466	-10.00000	-5.00000	99.75000
0.00000	0.00000	-0.35043	1	1467	-9.00000	-5.00000	99.75000
0.00000	0.00000	-0.59797	1	1468	-8.00000	-5.00000	99.75000
0.00000	0.00000	-0.73942	1	1469	-7.00000	-5.00000	99.75000
0.00000	0.00000	-0.75882	1	1470	-6.00000	-5.00000	99.75000
0.00000	0.00000	-0.71053	1	1471	-5.00000	-5.00000	99.75000
0.00000	0.00000	-0.63879	1	1472	-4.00000	-5.00000	99.75000
0.00000	0.00000	-0.56408	1	1473	-3.00000	-5.00000	99.75000
0.00000	0.00000	-0.49437	1	1474	-2.00000	-5.00000	99.75000
0.00000	0.00000	-0.43228	1	1475	-1.00000	-5.00000	99.75000
0.00000	0.00000	-0.37814	1	1476	0.00000	-5.00000	99.75000
0.00000	0.00000	0.36028	1	1477	-40.00000	-4.00000	99.75000
0.00000	0.00000	0.43391	1	1478	-39.00000	-4.00000	99.75000
0.00000	0.00000	0.53447	1	1479	-38.00000	-4.00000	99.75000
0.00000	0.00000	0.67955	1	1480	-37.00000	-4.00000	99.75000
0.00000	0.00000	0.90501	1	1481	-36.00000	-4.00000	99.75000
0.00000	0.00000	1.29308	1	1482	-35.00000	-4.00000	99.75000
0.00000	0.00000	2.06528	1	1483	-34.00000	-4.00000	99.75000
0.00000	0.00000	3.93617	1	1484	-33.00000	-4.00000	99.75000
0.00000	0.00000	8.22824	1	1485	-32.00000	-4.00000	99.75000
0.00000	0.00000	7.44752	1	1486	-31.00000	-4.00000	99.75000
0.00000	0.00000	6.11202	1	1487	-30.00000	-4.00000	99.75000
0.00000	0.00000	5.51522	1	1488	-29.00000	-4.00000	99.75000
0.00000	0.00000	5.18534	1	1489	-28.00000	-4.00000	99.75000
0.00000	0.00000	4.96600	1	1490	-27.00000	-4.00000	99.75000
0.00000	0.00000	4.78311	1	1491	-26.00000	-4.00000	99.75000
0.00000	0.00000	4.66260	1	1492	-25.00000	-4.00000	99.75000
0.00000	0.00000	4.81680	1	1493	-24.00000	-4.00000	99.75000
0.00000	0.00000	5.12827	1	1494	-23.00000	-4.00000	99.75000
0.00000	0.00000	3.42546	1	1495	-22.00000	-4.00000	99.75000
0.00000	0.00000	2.94954	1	1496	-21.00000	-4.00000	99.75000
0.00000	0.00000		1	1497	-20.00000	-4.00000	99.75000



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Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	3.23344	1498	-19.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	3.31193	1499	-18.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	3.20175	1500	-17.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	2.82442	1501	-16.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	2.20489	1502	-15.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	1.66485	1503	-14.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	1.26745	1504	-13.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	0.96487	1505	-12.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	0.72349	1506	-11.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	0.92361	1507	-10.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	0.63402	1508	-9.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	0.05640	1509	-8.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.63262	1510	-7.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-1.11188	1511	-6.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-1.09911	1512	-5.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.95155	1513	-4.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.80969	1514	-3.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.68696	1515	-2.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.58424	1516	-1.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.49913	1517	0.00000	-4.00000	99.75000
0.00000	0.00000	0.00000	-0.42865	1518	-40.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.37011	1519	-39.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.44548	1520	-38.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.54813	1521	-37.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.69640	1522	-36.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.92968	1523	-35.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.34770	1524	-34.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.28393	1525	-33.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	6.28685	1526	-32.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	11.69974	1527	-31.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	7.34832	1528	-30.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	3.64616	1529	-29.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.78069	1530	-28.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.35175	1531	-27.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.04992	1532	-26.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.56471	1533	-25.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.72314	1534	-24.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.40997	1535	-23.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.59260				



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Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	3.82265	1536	-22.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	4.56267	1537	-21.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	6.93283	1538	-20.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	6.16560	1539	-19.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	6.66429	1540	-18.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	5.98652	1541	-17.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	3.58956	1542	-16.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.57081	1543	-15.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	2.01693	1544	-14.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.64639	1545	-13.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.35219	1546	-12.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	1.19103	1547	-11.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.31572	1548	-10.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-1.48109	1549	-9.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-2.45581	1550	-8.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-2.35335	1551	-7.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-1.65453	1552	-6.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-1.27633	1553	-5.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-1.01711	1554	-4.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.82639	1555	-3.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.68159	1556	-2.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.56912	1557	-1.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	-0.48018	1558	0.00000	-3.00000	99.75000
0.00000	0.00000	0.00000	0.37491	1559	-40.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.44883	1560	-39.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.54704	1561	-38.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.68391	1562	-37.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.88857	1563	-36.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	1.22804	1564	-35.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	1.88313	1565	-34.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	3.41493	1566	-33.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	5.44787	1567	-32.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	2.39894	1568	-31.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	0.69753	1569	-30.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.06095	1570	-29.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.50672	1571	-28.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-0.86401	1572	-27.00000	-2.00000	99.75000
0.00000	0.00000	0.00000	-1.50391	1573	-26.00000	-2.00000	99.75000
				1574	-25.00000	-2.00000	99.75000



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Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-4.08643	1	1575	-24.00000	-2.00000	99.75000
0.00000	0.00000	-3.81986	1	1576	-23.00000	-2.00000	99.75000
0.00000	0.00000	-0.65228	1	1577	-22.00000	-2.00000	99.75000
0.00000	0.00000	1.46411	1	1578	-21.00000	-2.00000	99.75000
0.00000	0.00000	3.64816	1	1579	-20.00000	-2.00000	99.75000
0.00000	0.00000	8.89000	1	1580	-19.00000	-2.00000	99.75000
0.00000	0.00000	8.52534	1	1581	-18.00000	-2.00000	99.75000
0.00000	0.00000	8.92686	1	1582	-17.00000	-2.00000	99.75000
0.00000	0.00000	8.01112	1	1583	-16.00000	-2.00000	99.75000
0.00000	0.00000	2.32001	1	1584	-15.00000	-2.00000	99.75000
0.00000	0.00000	0.85870	1	1585	-14.00000	-2.00000	99.75000
0.00000	0.00000	0.20995	1	1586	-13.00000	-2.00000	99.75000
0.00000	0.00000	-0.19142	1	1587	-12.00000	-2.00000	99.75000
0.00000	0.00000	-0.49411	1	1588	-11.00000	-2.00000	99.75000
0.00000	0.00000	-0.56508	1	1589	-10.00000	-2.00000	99.75000
0.00000	0.00000	-1.27044	1	1590	-9.00000	-2.00000	99.75000
0.00000	0.00000	-3.02483	1	1591	-8.00000	-2.00000	99.75000
0.00000	0.00000	-4.02742	1	1592	-7.00000	-2.00000	99.75000
0.00000	0.00000	-4.31761	1	1593	-6.00000	-2.00000	99.75000
0.00000	0.00000	-2.48128	1	1594	-5.00000	-2.00000	99.75000
0.00000	0.00000	-1.67615	1	1595	-4.00000	-2.00000	99.75000
0.00000	0.00000	-1.24821	1	1596	-3.00000	-2.00000	99.75000
0.00000	0.00000	-0.97304	1	1597	-2.00000	-2.00000	99.75000
0.00000	0.00000	-0.78023	1	1598	-1.00000	-2.00000	99.75000
0.00000	0.00000	-0.63816	1	1599	0.00000	-2.00000	99.75000
0.00000	0.00000	-0.52997	1	1600	-40.00000	-1.00000	99.75000
0.00000	0.00000	0.37590	1	1601	-39.00000	-1.00000	99.75000
0.00000	0.00000	0.44646	1	1602	-38.00000	-1.00000	99.75000
0.00000	0.00000	0.53644	1	1603	-37.00000	-1.00000	99.75000
0.00000	0.00000	0.65374	1	1604	-36.00000	-1.00000	99.75000
0.00000	0.00000	0.81083	1	1605	-35.00000	-1.00000	99.75000
0.00000	0.00000	1.02662	1	1606	-34.00000	-1.00000	99.75000
0.00000	0.00000	1.31762	1	1607	-33.00000	-1.00000	99.75000
0.00000	0.00000	1.60157	1	1608	-32.00000	-1.00000	99.75000
0.00000	0.00000	1.12535	1	1609	-31.00000	-1.00000	99.75000
0.00000	0.00000	0.04649	1	1610	-30.00000	-1.00000	99.75000
0.00000	0.00000	-0.71192	1	1611	-29.00000	-1.00000	99.75000
0.00000	0.00000	-1.26090	1	1612	-28.00000	-1.00000	99.75000
0.00000	0.00000	-1.67457	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:	Set:	Set:	Result:	Coordinates:	Coordinates:	Coordinates:	
Displacements:	Displacements:	Displacements:	Ref.	x	y	z	
Ref.	x	Name					
	y	z					
0.00000	0.00000	-2.05878	1	1613	-27.00000	-1.00000	99.75000
0.00000	0.00000	-2.76730	1	1614	-26.00000	-1.00000	99.75000
0.00000	0.00000	-5.46595	1	1615	-25.00000	-1.00000	99.75000
0.00000	0.00000	-5.49300	1	1616	-24.00000	-1.00000	99.75000
0.00000	0.00000	-4.89733	1	1617	-23.00000	-1.00000	99.75000
0.00000	0.00000	-4.01115	1	1618	-22.00000	-1.00000	99.75000
0.00000	0.00000	-2.68121	1	1619	-21.00000	-1.00000	99.75000
0.00000	0.00000	-0.14355	1	1620	-20.00000	-1.00000	99.75000
0.00000	0.00000	-0.86368	1	1621	-19.00000	-1.00000	99.75000
0.00000	0.00000	-0.37651	1	1622	-18.00000	-1.00000	99.75000
0.00000	0.00000	-1.10174	1	1623	-17.00000	-1.00000	99.75000
0.00000	0.00000	-3.56329	1	1624	-16.00000	-1.00000	99.75000
0.00000	0.00000	-4.64368	1	1625	-15.00000	-1.00000	99.75000
0.00000	0.00000	-5.23829	1	1626	-14.00000	-1.00000	99.75000
0.00000	0.00000	-5.61184	1	1627	-13.00000	-1.00000	99.75000
0.00000	0.00000	-5.84118	1	1628	-12.00000	-1.00000	99.75000
0.00000	0.00000	-5.61509	1	1629	-11.00000	-1.00000	99.75000
0.00000	0.00000	-3.67406	1	1630	-10.00000	-1.00000	99.75000
0.00000	0.00000	-4.11307	1	1631	-9.00000	-1.00000	99.75000
0.00000	0.00000	-4.94307	1	1632	-8.00000	-1.00000	99.75000
0.00000	0.00000	-5.51746	1	1633	-7.00000	-1.00000	99.75000
0.00000	0.00000	-3.38753	1	1634	-6.00000	-1.00000	99.75000
0.00000	0.00000	-2.11723	1	1635	-5.00000	-1.00000	99.75000
0.00000	0.00000	-1.47391	1	1636	-4.00000	-1.00000	99.75000
0.00000	0.00000	-1.11161	1	1637	-3.00000	-1.00000	99.75000
0.00000	0.00000	-0.87157	1	1638	-2.00000	-1.00000	99.75000
0.00000	0.00000	-0.70108	1	1639	-1.00000	-1.00000	99.75000
0.00000	0.00000	-0.57473	1	1640	0.00000	-1.00000	99.75000
0.00000	0.00000	0.37484	1	1641	-40.00000	0.00000	99.75000
0.00000	0.00000	0.44205	1	1642	-39.00000	0.00000	99.75000
0.00000	0.00000	0.52434	1	1643	-38.00000	0.00000	99.75000
0.00000	0.00000	0.62409	1	1644	-37.00000	0.00000	99.75000
0.00000	0.00000	0.74101	1	1645	-36.00000	0.00000	99.75000
0.00000	0.00000	0.86485	1	1646	-35.00000	0.00000	99.75000
0.00000	0.00000	0.95394	1	1647	-34.00000	0.00000	99.75000
0.00000	0.00000	0.87625	1	1648	-33.00000	0.00000	99.75000
0.00000	0.00000	0.09596	1	1649	-32.00000	0.00000	99.75000
0.00000	0.00000	-0.88819	1	1650	-31.00000	0.00000	99.75000
				1651	-30.00000	0.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-1.43886	1	1652	-29.00000	0.00000	99.75000
0.00000	0.00000	-1.88407	1	1653	-28.00000	0.00000	99.75000
0.00000	0.00000	-2.27216	1	1654	-27.00000	0.00000	99.75000
0.00000	0.00000	-2.67308	1	1655	-26.00000	0.00000	99.75000
0.00000	0.00000	-3.43158	1	1656	-25.00000	0.00000	99.75000
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0.00000	0.00000	-6.44847	1	1658	-23.00000	0.00000	99.75000
0.00000	0.00000	-6.23239	1	1659	-22.00000	0.00000	99.75000
0.00000	0.00000	-5.78120	1	1660	-21.00000	0.00000	99.75000
0.00000	0.00000	-5.17885	1	1661	-20.00000	0.00000	99.75000
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0.00000	0.00000	-4.47101	1	1663	-18.00000	0.00000	99.75000
0.00000	0.00000	-4.61869	1	1664	-17.00000	0.00000	99.75000
0.00000	0.00000	-5.11505	1	1665	-16.00000	0.00000	99.75000
0.00000	0.00000	-5.89503	1	1666	-15.00000	0.00000	99.75000
0.00000	0.00000	-6.58533	1	1667	-14.00000	0.00000	99.75000
0.00000	0.00000	-7.08271	1	1668	-13.00000	0.00000	99.75000
0.00000	0.00000	-7.40764	1	1669	-12.00000	0.00000	99.75000
0.00000	0.00000	-7.55425	1	1670	-11.00000	0.00000	99.75000
0.00000	0.00000	-7.12814	1	1671	-10.00000	0.00000	99.75000
0.00000	0.00000	-4.80356	1	1672	-9.00000	0.00000	99.75000
0.00000	0.00000	-4.89003	1	1673	-8.00000	0.00000	99.75000
0.00000	0.00000	-5.56043	1	1674	-7.00000	0.00000	99.75000
0.00000	0.00000	-6.09244	1	1675	-6.00000	0.00000	99.75000
0.00000	0.00000	-3.87208	1	1676	-5.00000	0.00000	99.75000
0.00000	0.00000	-2.42835	1	1677	-4.00000	0.00000	99.75000
0.00000	0.00000	-1.65437	1	1678	-3.00000	0.00000	99.75000
0.00000	0.00000	-1.22487	1	1679	-2.00000	0.00000	99.75000
0.00000	0.00000	-0.94648	1	1680	-1.00000	0.00000	99.75000
0.00000	0.00000	-0.75253	1	1681	0.00000	0.00000	99.75000
0.00000	0.00000	-0.61116	1	1682	-40.00000	1.00000	99.75000
0.00000	0.00000	0.37325	1	1683	-39.00000	1.00000	99.75000
0.00000	0.00000	0.43883	1	1684	-38.00000	1.00000	99.75000
0.00000	0.00000	0.51762	1	1685	-37.00000	1.00000	99.75000
0.00000	0.00000	0.60980	1	1686	-36.00000	1.00000	99.75000
0.00000	0.00000	0.71034	1	1687	-35.00000	1.00000	99.75000
0.00000	0.00000	0.80008	1	1688	-34.00000	1.00000	99.75000
0.00000	0.00000	0.82597	1	1689	-33.00000	1.00000	99.75000
0.00000	0.00000	0.66004	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.18611	1	1690	-32.00000	1.00000	99.75000
0.00000	0.00000	-1.16911	1	1691	-31.00000	1.00000	99.75000
0.00000	0.00000	-1.68445	1	1692	-30.00000	1.00000	99.75000
0.00000	0.00000	-2.10596	1	1693	-29.00000	1.00000	99.75000
0.00000	0.00000	-2.49199	1	1694	-28.00000	1.00000	99.75000
0.00000	0.00000	-2.90940	1	1695	-27.00000	1.00000	99.75000
0.00000	0.00000	-3.70427	1	1696	-26.00000	1.00000	99.75000
0.00000	0.00000	-6.55669	1	1697	-25.00000	1.00000	99.75000
0.00000	0.00000	-6.88020	1	1698	-24.00000	1.00000	99.75000
0.00000	0.00000	-6.80310	1	1699	-23.00000	1.00000	99.75000
0.00000	0.00000	-6.50787	1	1700	-22.00000	1.00000	99.75000
0.00000	0.00000	-6.08901	1	1701	-21.00000	1.00000	99.75000
0.00000	0.00000	-5.72686	1	1702	-20.00000	1.00000	99.75000
0.00000	0.00000	-5.62942	1	1703	-19.00000	1.00000	99.75000
0.00000	0.00000	-5.82236	1	1704	-18.00000	1.00000	99.75000
0.00000	0.00000	-6.29715	1	1705	-17.00000	1.00000	99.75000
0.00000	0.00000	-6.95709	1	1706	-16.00000	1.00000	99.75000
0.00000	0.00000	-7.58141	1	1707	-15.00000	1.00000	99.75000
0.00000	0.00000	-8.05530	1	1708	-14.00000	1.00000	99.75000
0.00000	0.00000	-8.35734	1	1709	-13.00000	1.00000	99.75000
0.00000	0.00000	-8.45438	1	1710	-12.00000	1.00000	99.75000
0.00000	0.00000	-7.92924	1	1711	-11.00000	1.00000	99.75000
0.00000	0.00000	-5.46112	1	1712	-10.00000	1.00000	99.75000
0.00000	0.00000	-5.40157	1	1713	-9.00000	1.00000	99.75000
0.00000	0.00000	-5.96629	1	1714	-8.00000	1.00000	99.75000
0.00000	0.00000	-6.43128	1	1715	-7.00000	1.00000	99.75000
0.00000	0.00000	-4.13859	1	1716	-6.00000	1.00000	99.75000
0.00000	0.00000	-2.59915	1	1717	-5.00000	1.00000	99.75000
0.00000	0.00000	-1.76693	1	1718	-4.00000	1.00000	99.75000
0.00000	0.00000	-1.30033	1	1719	-3.00000	1.00000	99.75000
0.00000	0.00000	-0.99768	1	1720	-2.00000	1.00000	99.75000
0.00000	0.00000	-0.78804	1	1721	-1.00000	1.00000	99.75000
0.00000	0.00000	-0.63643	1	1722	0.00000	1.00000	99.75000
0.00000	0.00000	0.37180	1	1723	-40.00000	2.00000	99.75000
0.00000	0.00000	0.43818	1	1724	-39.00000	2.00000	99.75000
0.00000	0.00000	0.51915	1	1725	-38.00000	2.00000	99.75000
0.00000	0.00000	0.61669	1	1726	-37.00000	2.00000	99.75000
0.00000	0.00000	0.72954	1	1727	-36.00000	2.00000	99.75000
				1728	-35.00000	2.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	0.84569	1	1729	-34.00000	2.00000	99.75000
0.00000	0.00000	0.92087	1	1730	-33.00000	2.00000	99.75000
0.00000	0.00000	0.82309	1	1731	-32.00000	2.00000	99.75000
0.00000	0.00000	0.02581	1	1732	-31.00000	2.00000	99.75000
0.00000	0.00000	-0.96300	1	1733	-30.00000	2.00000	99.75000
0.00000	0.00000	-1.51442	1	1734	-29.00000	2.00000	99.75000
0.00000	0.00000	-1.96748	1	1735	-28.00000	2.00000	99.75000
0.00000	0.00000	-2.37472	1	1736	-27.00000	2.00000	99.75000
0.00000	0.00000	-2.81002	1	1737	-26.00000	2.00000	99.75000
0.00000	0.00000	-3.62795	1	1738	-25.00000	2.00000	99.75000
0.00000	0.00000	-6.51042	1	1739	-24.00000	2.00000	99.75000
0.00000	0.00000	-6.87293	1	1740	-23.00000	2.00000	99.75000
0.00000	0.00000	-6.82709	1	1741	-22.00000	2.00000	99.75000
0.00000	0.00000	-6.49976	1	1742	-21.00000	2.00000	99.75000
0.00000	0.00000	-5.86181	1	1743	-20.00000	2.00000	99.75000
0.00000	0.00000	-5.12354	1	1744	-19.00000	2.00000	99.75000
0.00000	0.00000	-5.09951	1	1745	-18.00000	2.00000	99.75000
0.00000	0.00000	-5.32469	1	1746	-17.00000	2.00000	99.75000
0.00000	0.00000	-6.00497	1	1747	-16.00000	2.00000	99.75000
0.00000	0.00000	-7.14185	1	1748	-15.00000	2.00000	99.75000
0.00000	0.00000	-7.99376	1	1749	-14.00000	2.00000	99.75000
0.00000	0.00000	-8.54441	1	1750	-13.00000	2.00000	99.75000
0.00000	0.00000	-8.86628	1	1751	-12.00000	2.00000	99.75000
0.00000	0.00000	-8.95465	1	1752	-11.00000	2.00000	99.75000
0.00000	0.00000	-8.39476	1	1753	-10.00000	2.00000	99.75000
0.00000	0.00000	-5.86990	1	1754	-9.00000	2.00000	99.75000
0.00000	0.00000	-5.73397	1	1755	-8.00000	2.00000	99.75000
0.00000	0.00000	-6.21802	1	1756	-7.00000	2.00000	99.75000
0.00000	0.00000	-6.64347	1	1757	-6.00000	2.00000	99.75000
0.00000	0.00000	-4.42202	1	1758	-5.00000	2.00000	99.75000
0.00000	0.00000	-2.55760	1	1759	-4.00000	2.00000	99.75000
0.00000	0.00000	-1.80703	1	1760	-3.00000	2.00000	99.75000
0.00000	0.00000	-1.33293	1	1761	-2.00000	2.00000	99.75000
0.00000	0.00000	-1.02094	1	1762	-1.00000	2.00000	99.75000
0.00000	0.00000	-0.80468	1	1763	0.00000	2.00000	99.75000
0.00000	0.00000	-0.64860	1	1764	-40.00000	3.00000	99.75000
0.00000	0.00000	0.37000	1	1765	-39.00000	3.00000	99.75000
0.00000	0.00000	0.43904	1	1766	-38.00000	3.00000	99.75000
0.00000	0.00000	0.52670	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.64015	1	1767	-37.00000	3.00000	99.75000
0.00000	0.00000	0.79012	1	1768	-36.00000	3.00000	99.75000
0.00000	0.00000	0.99135	1	1769	-35.00000	3.00000	99.75000
0.00000	0.00000	1.25031	1	1770	-34.00000	3.00000	99.75000
0.00000	0.00000	1.46977	1	1771	-33.00000	3.00000	99.75000
0.00000	0.00000	0.93097	1	1772	-32.00000	3.00000	99.75000
0.00000	0.00000	-0.13521	1	1773	-31.00000	3.00000	99.75000
0.00000	0.00000	-0.87271	1	1774	-30.00000	3.00000	99.75000
0.00000	0.00000	-1.43176	1	1775	-29.00000	3.00000	99.75000
0.00000	0.00000	-1.88182	1	1776	-28.00000	3.00000	99.75000
0.00000	0.00000	-2.33247	1	1777	-27.00000	3.00000	99.75000
0.00000	0.00000	-3.15826	1	1778	-26.00000	3.00000	99.75000
0.00000	0.00000	-6.04627	1	1779	-25.00000	3.00000	99.75000
0.00000	0.00000	-6.41368	1	1780	-24.00000	3.00000	99.75000
0.00000	0.00000	-6.35026	1	1781	-23.00000	3.00000	99.75000
0.00000	0.00000	-5.88866	1	1782	-22.00000	3.00000	99.75000
0.00000	0.00000	-4.44447	1	1783	-21.00000	3.00000	99.75000
0.00000	0.00000	-0.40164	1	1784	-20.00000	3.00000	99.75000
0.00000	0.00000	-1.30091	1	1785	-19.00000	3.00000	99.75000
0.00000	0.00000	-0.95497	1	1786	-18.00000	3.00000	99.75000
0.00000	0.00000	-2.09100	1	1787	-17.00000	3.00000	99.75000
0.00000	0.00000	-6.73682	1	1788	-16.00000	3.00000	99.75000
0.00000	0.00000	-8.11190	1	1789	-15.00000	3.00000	99.75000
0.00000	0.00000	-8.79317	1	1790	-14.00000	3.00000	99.75000
0.00000	0.00000	-9.16323	1	1791	-13.00000	3.00000	99.75000
0.00000	0.00000	-9.28234	1	1792	-12.00000	3.00000	99.75000
0.00000	0.00000	-8.74595	1	1793	-11.00000	3.00000	99.75000
0.00000	0.00000	-6.22444	1	1794	-10.00000	3.00000	99.75000
0.00000	0.00000	-6.03904	1	1795	-9.00000	3.00000	99.75000
0.00000	0.00000	-6.38474	1	1796	-8.00000	3.00000	99.75000
0.00000	0.00000	-6.68822	1	1797	-7.00000	3.00000	99.75000
0.00000	0.00000	-4.48382	1	1798	-6.00000	3.00000	99.75000
0.00000	0.00000	-2.52210	1	1799	-5.00000	3.00000	99.75000
0.00000	0.00000	-1.79333	1	1800	-4.00000	3.00000	99.75000
0.00000	0.00000	-1.32300	1	1801	-3.00000	3.00000	99.75000
0.00000	0.00000	-1.01475	1	1802	-2.00000	3.00000	99.75000
0.00000	0.00000	-0.80120	1	1803	-1.00000	3.00000	99.75000
0.00000	0.00000	-0.64683	1	1804	0.00000	3.00000	99.75000
				1805	-40.00000	4.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref.	Displacements: y	Set: Displacements: Ref.	Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.00000	0.36647	1	1806	-39.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.43843	1	1807	-38.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.53380	1	1808	-37.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.66624	1	1809	-36.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.86308	1	1810	-35.00000	4.00000	99.75000
0.00000	0.00000	0.00000	1.18609	1	1811	-34.00000	4.00000	99.75000
0.00000	0.00000	0.00000	1.79462	1	1812	-33.00000	4.00000	99.75000
0.00000	0.00000	0.00000	3.11459	1	1813	-32.00000	4.00000	99.75000
0.00000	0.00000	0.00000	4.23347	1	1814	-31.00000	4.00000	99.75000
0.00000	0.00000	0.00000	1.98870	1	1815	-30.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.42874	1	1816	-29.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-0.34142	1	1817	-28.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-0.83960	1	1818	-27.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-1.29040	1	1819	-26.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-2.09975	1	1820	-25.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-4.96628	1	1821	-24.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-5.32018	1	1822	-23.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-5.24457	1	1823	-22.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-4.73154	1	1824	-21.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-3.05848	1	1825	-20.00000	4.00000	99.75000
0.00000	0.00000	0.00000	1.52409	1	1826	-19.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.34171	1	1827	-18.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-0.11348	1	1828	-17.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-1.77214	1	1829	-16.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-7.04734	1	1830	-15.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-8.62464	1	1831	-14.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-9.37174	1	1832	-13.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-9.78682	1	1833	-12.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-9.98214	1	1834	-11.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-9.57482	1	1835	-10.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-7.16062	1	1836	-9.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-6.96142	1	1837	-8.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-6.84972	1	1838	-7.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-6.41111	1	1839	-6.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-4.28312	1	1840	-5.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-2.68382	1	1841	-4.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-1.72308	1	1842	-3.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-1.26917	1	1843	-2.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-0.97929	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
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Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.77803	1844	-1.00000	4.00000	99.75000
0.00000	0.00000	0.00000	-0.63147	1845	0.00000	4.00000	99.75000
0.00000	0.00000	0.00000	0.35950	1846	-40.00000	5.00000	99.75000
0.00000	0.00000	0.00000	0.43270	1847	-39.00000	5.00000	99.75000
0.00000	0.00000	0.00000	0.53249	1848	-38.00000	5.00000	99.75000
0.00000	0.00000	0.00000	0.67682	1849	-37.00000	5.00000	99.75000
0.00000	0.00000	0.00000	0.90444	1850	-36.00000	5.00000	99.75000
0.00000	0.00000	0.00000	1.31359	1851	-35.00000	5.00000	99.75000
0.00000	0.00000	0.00000	2.23304	1852	-34.00000	5.00000	99.75000
0.00000	0.00000	0.00000	6.18231	1853	-33.00000	5.00000	99.75000
0.00000	0.00000	0.00000	11.34944	1854	-32.00000	5.00000	99.75000
0.00000	0.00000	0.00000	6.75316	1855	-31.00000	5.00000	99.75000
0.00000	0.00000	0.00000	3.01996	1856	-30.00000	5.00000	99.75000
0.00000	0.00000	0.00000	2.10778	1857	-29.00000	5.00000	99.75000
0.00000	0.00000	0.00000	1.61085	1858	-28.00000	5.00000	99.75000
0.00000	0.00000	0.00000	1.19715	1859	-27.00000	5.00000	99.75000
0.00000	0.00000	0.00000	0.46134	1860	-26.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-2.30863	1861	-25.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-2.62304	1862	-24.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-2.56354	1863	-23.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-2.14719	1864	-22.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-0.87310	1865	-21.00000	5.00000	99.75000
0.00000	0.00000	0.00000	1.92535	1866	-20.00000	5.00000	99.75000
0.00000	0.00000	0.00000	1.47504	1867	-19.00000	5.00000	99.75000
0.00000	0.00000	0.00000	0.24586	1868	-18.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-1.36107	1869	-17.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-4.98023	1870	-16.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-6.32069	1871	-15.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-7.01244	1872	-14.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-7.44258	1873	-13.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-7.76872	1874	-12.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-7.93326	1875	-11.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-6.02231	1876	-10.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-5.86775	1877	-9.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-5.68349	1878	-8.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-5.17712	1879	-7.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-3.54529	1880	-6.00000	5.00000	99.75000
0.00000	0.00000	0.00000	-2.33900	1881	-5.00000	5.00000	99.75000
				1882	-4.00000	5.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-1.55662	1	1883	-3.00000	5.00000	99.75000
0.00000	0.00000	-1.17089	1	1884	-2.00000	5.00000	99.75000
0.00000	0.00000	-0.91742	1	1885	-1.00000	5.00000	99.75000
0.00000	0.00000	-0.73750	1	1886	0.00000	5.00000	99.75000
0.00000	0.00000	-0.60407	1	1887	-40.00000	6.00000	99.75000
0.00000	0.00000	0.34784	1	1888	-39.00000	6.00000	99.75000
0.00000	0.00000	0.41924	1	1889	-38.00000	6.00000	99.75000
0.00000	0.00000	0.51716	1	1890	-37.00000	6.00000	99.75000
0.00000	0.00000	0.65926	1	1891	-36.00000	6.00000	99.75000
0.00000	0.00000	0.88208	1	1892	-35.00000	6.00000	99.75000
0.00000	0.00000	1.27105	1	1893	-34.00000	6.00000	99.75000
0.00000	0.00000	2.06577	1	1894	-33.00000	6.00000	99.75000
0.00000	0.00000	4.13321	1	1895	-32.00000	6.00000	99.75000
0.00000	0.00000	10.15090	1	1896	-31.00000	6.00000	99.75000
0.00000	0.00000	7.89357	1	1897	-30.00000	6.00000	99.75000
0.00000	0.00000	6.32349	1	1898	-29.00000	6.00000	99.75000
0.00000	0.00000	5.64927	1	1899	-28.00000	6.00000	99.75000
0.00000	0.00000	5.24505	1	1900	-27.00000	6.00000	99.75000
0.00000	0.00000	4.91633	1	1901	-26.00000	6.00000	99.75000
0.00000	0.00000	4.46704	1	1902	-25.00000	6.00000	99.75000
0.00000	0.00000	3.76124	1	1903	-24.00000	6.00000	99.75000
0.00000	0.00000	3.56194	1	1904	-23.00000	6.00000	99.75000
0.00000	0.00000	3.58955	1	1905	-22.00000	6.00000	99.75000
0.00000	0.00000	3.83627	1	1906	-21.00000	6.00000	99.75000
0.00000	0.00000	4.46422	1	1907	-20.00000	6.00000	99.75000
0.00000	0.00000	6.13451	1	1908	-19.00000	6.00000	99.75000
0.00000	0.00000	5.10692	1	1909	-18.00000	6.00000	99.75000
0.00000	0.00000	4.44711	1	1910	-17.00000	6.00000	99.75000
0.00000	0.00000	3.29755	1	1911	-16.00000	6.00000	99.75000
0.00000	0.00000	1.25211	1	1912	-15.00000	6.00000	99.75000
0.00000	0.00000	0.35083	1	1913	-14.00000	6.00000	99.75000
0.00000	0.00000	-0.20337	1	1914	-13.00000	6.00000	99.75000
0.00000	0.00000	-0.59959	1	1915	-12.00000	6.00000	99.75000
0.00000	0.00000	-0.99220	1	1916	-11.00000	6.00000	99.75000
0.00000	0.00000	-2.62941	1	1917	-10.00000	6.00000	99.75000
0.00000	0.00000	-3.29436	1	1918	-9.00000	6.00000	99.75000
0.00000	0.00000	-3.32444	1	1919	-8.00000	6.00000	99.75000
0.00000	0.00000	-3.20506	1	1920	-7.00000	6.00000	99.75000
0.00000	0.00000	-2.92182	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	-2.45903	1	1921	-6.00000	6.00000	99.75000
0.00000	0.00000	-1.65741	1	1922	-5.00000	6.00000	99.75000
0.00000	0.00000	-1.32870	1	1923	-4.00000	6.00000	99.75000
0.00000	0.00000	-1.04190	1	1924	-3.00000	6.00000	99.75000
0.00000	0.00000	-0.83656	1	1925	-2.00000	6.00000	99.75000
0.00000	0.00000	-0.68396	1	1926	-1.00000	6.00000	99.75000
0.00000	0.00000	-0.56729	1	1927	0.00000	6.00000	99.75000
0.00000	0.00000	0.33119	1	1928	-40.00000	7.00000	99.75000
0.00000	0.00000	0.39753	1	1929	-39.00000	7.00000	99.75000
0.00000	0.00000	0.48719	1	1930	-38.00000	7.00000	99.75000
0.00000	0.00000	0.61372	1	1931	-37.00000	7.00000	99.75000
0.00000	0.00000	0.80170	1	1932	-36.00000	7.00000	99.75000
0.00000	0.00000	1.09667	1	1933	-35.00000	7.00000	99.75000
0.00000	0.00000	1.57724	1	1934	-34.00000	7.00000	99.75000
0.00000	0.00000	2.31072	1	1935	-33.00000	7.00000	99.75000
0.00000	0.00000	3.01562	1	1936	-32.00000	7.00000	99.75000
0.00000	0.00000	3.03533	1	1937	-31.00000	7.00000	99.75000
0.00000	0.00000	2.65431	1	1938	-30.00000	7.00000	99.75000
0.00000	0.00000	2.30654	1	1939	-29.00000	7.00000	99.75000
0.00000	0.00000	2.03492	1	1940	-28.00000	7.00000	99.75000
0.00000	0.00000	1.80521	1	1941	-27.00000	7.00000	99.75000
0.00000	0.00000	1.58954	1	1942	-26.00000	7.00000	99.75000
0.00000	0.00000	1.40257	1	1943	-25.00000	7.00000	99.75000
0.00000	0.00000	1.30162	1	1944	-24.00000	7.00000	99.75000
0.00000	0.00000	1.30075	1	1945	-23.00000	7.00000	99.75000
0.00000	0.00000	1.40184	1	1946	-22.00000	7.00000	99.75000
0.00000	0.00000	1.59164	1	1947	-21.00000	7.00000	99.75000
0.00000	0.00000	1.74480	1	1948	-20.00000	7.00000	99.75000
0.00000	0.00000	1.62437	1	1949	-19.00000	7.00000	99.75000
0.00000	0.00000	1.26097	1	1950	-18.00000	7.00000	99.75000
0.00000	0.00000	0.71602	1	1951	-17.00000	7.00000	99.75000
0.00000	0.00000	0.08934	1	1952	-16.00000	7.00000	99.75000
0.00000	0.00000	-0.43574	1	1953	-15.00000	7.00000	99.75000
0.00000	0.00000	-0.83435	1	1954	-14.00000	7.00000	99.75000
0.00000	0.00000	-1.15081	1	1955	-13.00000	7.00000	99.75000
0.00000	0.00000	-1.44866	1	1956	-12.00000	7.00000	99.75000
0.00000	0.00000	-1.78703	1	1957	-11.00000	7.00000	99.75000
0.00000	0.00000	-2.03020	1	1958	-10.00000	7.00000	99.75000
				1959	-9.00000	7.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-2.09418	1960	-8.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-2.03424	1961	-7.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-1.87543	1962	-6.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-1.63646	1963	-5.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-1.35775	1964	-4.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-1.10585	1965	-3.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-0.90470	1966	-2.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-0.74699	1967	-1.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-0.62293	1968	0.00000	7.00000	99.75000
0.00000	0.00000	0.00000	-0.52438	1969	-40.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.31025	1970	-39.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.36911	1971	-38.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.44637	1972	-37.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.55043	1973	-36.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.69381	1974	-35.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.89273	1975	-34.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.15850	1976	-33.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.46469	1977	-32.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.70139	1978	-31.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.74760	1979	-30.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.63448	1980	-29.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.46787	1981	-28.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.30227	1982	-27.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.15040	1983	-26.00000	8.00000	99.75000
0.00000	0.00000	0.00000	1.01531	1984	-25.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.90614	1985	-24.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.83669	1986	-23.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.81369	1987	-22.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.83168	1988	-21.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.86577	1989	-20.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.86080	1990	-19.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.75644	1991	-18.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.53978	1992	-17.00000	8.00000	99.75000
0.00000	0.00000	0.00000	0.23597	1993	-16.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.10588	1994	-15.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.42889	1995	-14.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.70592	1996	-13.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-0.93939	1997	-12.00000	8.00000	99.75000
0.00000	0.00000	0.00000	-1.14280				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	-1.31857	1	1998	-11.00000	8.00000	99.75000
0.00000	0.00000	-1.43983	1	1999	-10.00000	8.00000	99.75000
0.00000	0.00000	-1.48384	1	2000	-9.00000	8.00000	99.75000
0.00000	0.00000	-1.45461	1	2001	-8.00000	8.00000	99.75000
0.00000	0.00000	-1.36445	1	2002	-7.00000	8.00000	99.75000
0.00000	0.00000	-1.22911	1	2003	-6.00000	8.00000	99.75000
0.00000	0.00000	-1.07096	1	2004	-5.00000	8.00000	99.75000
0.00000	0.00000	-0.91469	1	2005	-4.00000	8.00000	99.75000
0.00000	0.00000	-0.77561	1	2006	-3.00000	8.00000	99.75000
0.00000	0.00000	-0.65772	1	2007	-2.00000	8.00000	99.75000
0.00000	0.00000	-0.55968	1	2008	-1.00000	8.00000	99.75000
0.00000	0.00000	-0.47859	1	2009	0.00000	8.00000	99.75000
0.00000	0.00000	0.28639	1	2010	-40.00000	9.00000	99.75000
0.00000	0.00000	0.33664	1	2011	-39.00000	9.00000	99.75000
0.00000	0.00000	0.40020	1	2012	-38.00000	9.00000	99.75000
0.00000	0.00000	0.48138	1	2013	-37.00000	9.00000	99.75000
0.00000	0.00000	0.58501	1	2014	-36.00000	9.00000	99.75000
0.00000	0.00000	0.71415	1	2015	-35.00000	9.00000	99.75000
0.00000	0.00000	0.86417	1	2016	-34.00000	9.00000	99.75000
0.00000	0.00000	1.01306	1	2017	-33.00000	9.00000	99.75000
0.00000	0.00000	1.11976	1	2018	-32.00000	9.00000	99.75000
0.00000	0.00000	1.15000	1	2019	-31.00000	9.00000	99.75000
0.00000	0.00000	1.10754	1	2020	-30.00000	9.00000	99.75000
0.00000	0.00000	1.02293	1	2021	-29.00000	9.00000	99.75000
0.00000	0.00000	0.92340	1	2022	-28.00000	9.00000	99.75000
0.00000	0.00000	0.82395	1	2023	-27.00000	9.00000	99.75000
0.00000	0.00000	0.73272	1	2024	-26.00000	9.00000	99.75000
0.00000	0.00000	0.65628	1	2025	-25.00000	9.00000	99.75000
0.00000	0.00000	0.59995	1	2026	-24.00000	9.00000	99.75000
0.00000	0.00000	0.56482	1	2027	-23.00000	9.00000	99.75000
0.00000	0.00000	0.54469	1	2028	-22.00000	9.00000	99.75000
0.00000	0.00000	0.52372	1	2029	-21.00000	9.00000	99.75000
0.00000	0.00000	0.47771	1	2030	-20.00000	9.00000	99.75000
0.00000	0.00000	0.38436	1	2031	-19.00000	9.00000	99.75000
0.00000	0.00000	0.23648	1	2032	-18.00000	9.00000	99.75000
0.00000	0.00000	0.04428	1	2033	-17.00000	9.00000	99.75000
0.00000	0.00000	-0.17015	1	2034	-16.00000	9.00000	99.75000
0.00000	0.00000	-0.38223	1	2035	-15.00000	9.00000	99.75000
				2036	-14.00000	9.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.57538	1	2037	-13.00000	9.00000	99.75000
0.00000	0.00000	-0.74351	1	2038	-12.00000	9.00000	99.75000
0.00000	0.00000	-0.88570	1	2039	-11.00000	9.00000	99.75000
0.00000	0.00000	-0.99874	1	2040	-10.00000	9.00000	99.75000
0.00000	0.00000	-1.07425	1	2041	-9.00000	9.00000	99.75000
0.00000	0.00000	-1.10520	1	2042	-8.00000	9.00000	99.75000
0.00000	0.00000	-1.09168	1	2043	-7.00000	9.00000	99.75000
0.00000	0.00000	-1.03959	1	2044	-6.00000	9.00000	99.75000
0.00000	0.00000	-0.95854	1	2045	-5.00000	9.00000	99.75000
0.00000	0.00000	-0.86078	1	2046	-4.00000	9.00000	99.75000
0.00000	0.00000	-0.75878	1	2047	-3.00000	9.00000	99.75000
0.00000	0.00000	-0.66176	1	2048	-2.00000	9.00000	99.75000
0.00000	0.00000	-0.57443	1	2049	-1.00000	9.00000	99.75000
0.00000	0.00000	-0.49818	1	2050	0.00000	9.00000	99.75000
0.00000	0.00000	-0.43263	1	2051	-40.00000	10.00000	99.75000
0.00000	0.00000	0.26114	1	2052	-39.00000	10.00000	99.75000
0.00000	0.00000	0.30279	1	2053	-38.00000	10.00000	99.75000
0.00000	0.00000	0.35347	1	2054	-37.00000	10.00000	99.75000
0.00000	0.00000	0.41492	1	2055	-36.00000	10.00000	99.75000
0.00000	0.00000	0.48822	1	2056	-35.00000	10.00000	99.75000
0.00000	0.00000	0.57216	1	2057	-34.00000	10.00000	99.75000
0.00000	0.00000	0.66081	1	2058	-33.00000	10.00000	99.75000
0.00000	0.00000	0.74148	1	2059	-32.00000	10.00000	99.75000
0.00000	0.00000	0.79710	1	2060	-31.00000	10.00000	99.75000
0.00000	0.00000	0.81505	1	2061	-30.00000	10.00000	99.75000
0.00000	0.00000	0.79523	1	2062	-29.00000	10.00000	99.75000
0.00000	0.00000	0.74807	1	2063	-28.00000	10.00000	99.75000
0.00000	0.00000	0.68630	1	2064	-27.00000	10.00000	99.75000
0.00000	0.00000	0.61985	1	2065	-26.00000	10.00000	99.75000
0.00000	0.00000	0.55553	1	2066	-25.00000	10.00000	99.75000
0.00000	0.00000	0.49797	1	2067	-24.00000	10.00000	99.75000
0.00000	0.00000	0.44974	1	2068	-23.00000	10.00000	99.75000
0.00000	0.00000	0.41039	1	2069	-22.00000	10.00000	99.75000
0.00000	0.00000	0.37543	1	2070	-21.00000	10.00000	99.75000
0.00000	0.00000	0.33605	1	2071	-20.00000	10.00000	99.75000
0.00000	0.00000	0.28096	1	2072	-19.00000	10.00000	99.75000
0.00000	0.00000	0.20063	1	2073	-18.00000	10.00000	99.75000
0.00000	0.00000	0.09193	1	2074	-17.00000	10.00000	99.75000
0.00000	0.00000	-0.04046	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.18598	2075	-16.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.33233	2076	-15.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.46944	2077	-14.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.59104	2078	-13.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.69335	2079	-12.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.77298	2080	-11.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.82612	2081	-10.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.85017	2082	-9.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.84538	2083	-8.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.81504	2084	-7.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.76481	2085	-6.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.70176	2086	-5.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.63302	2087	-4.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.56440	2088	-3.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.49969	2089	-2.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.44082	2090	-1.00000	10.00000	99.75000
0.00000	0.00000	0.00000	-0.38841	2091	0.00000	10.00000	99.75000
0.00000	0.00000	0.00000	0.23584	2092	-40.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.26967	2093	-39.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.30930	2094	-38.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.35515	2095	-37.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.40682	2096	-36.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.46226	2097	-35.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.51701	2098	-34.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.56405	2099	-33.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.59546	2100	-32.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.60573	2101	-31.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.59433	2102	-30.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.56533	2103	-29.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.52487	2104	-28.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.47877	2105	-27.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.43158	2106	-26.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.38640	2107	-25.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.34466	2108	-24.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.30580	2109	-23.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.26707	2110	-22.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.22374	2111	-21.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.17033	2112	-20.00000	11.00000	99.75000
				2113	-19.00000	11.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.10254	2114	-18.00000	11.00000	99.75000
0.00000	0.00000	0.00000	0.01913	2115	-17.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.07740	2116	-16.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.18154	2117	-15.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.28652	2118	-14.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.38609	2119	-13.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.47538	2120	-12.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.55083	2121	-11.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.60964	2122	-10.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.64958	2123	-9.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.66947	2124	-8.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.66966	2125	-7.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.65218	2126	-6.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.62045	2127	-5.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.57873	2128	-4.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.53140	2129	-3.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.48225	2130	-2.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.43411	2131	-1.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.38875	2132	0.00000	11.00000	99.75000
0.00000	0.00000	0.00000	-0.34710	2133	-40.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.21149	2134	-39.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.23860	2135	-38.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.26927	2136	-37.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.30332	2137	-36.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.33992	2138	-35.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.37725	2139	-34.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.41230	2140	-33.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.44110	2141	-32.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.45962	2142	-31.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.46516	2143	-30.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.45725	2144	-29.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.43767	2145	-28.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.40949	2146	-27.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.37602	2147	-26.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.34008	2148	-25.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.30364	2149	-24.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.26758	2150	-23.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.23157	2151	-22.00000	12.00000	99.75000
0.00000	0.00000	0.00000	0.19405				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Coordinates: Ref.	x	y	Coordinates: z
0.00000	0.00000	0.15257	1	2152	-21.00000	12.00000	99.75000
0.00000	0.00000	0.10442	1	2153	-20.00000	12.00000	99.75000
0.00000	0.00000	0.04768	1	2154	-19.00000	12.00000	99.75000
0.00000	0.00000	-0.01804	1	2155	-18.00000	12.00000	99.75000
0.00000	0.00000	-0.09119	1	2156	-17.00000	12.00000	99.75000
0.00000	0.00000	-0.16862	1	2157	-16.00000	12.00000	99.75000
0.00000	0.00000	-0.24634	1	2158	-15.00000	12.00000	99.75000
0.00000	0.00000	-0.32034	1	2159	-14.00000	12.00000	99.75000
0.00000	0.00000	-0.38715	1	2160	-13.00000	12.00000	99.75000
0.00000	0.00000	-0.44400	1	2161	-12.00000	12.00000	99.75000
0.00000	0.00000	-0.48875	1	2162	-11.00000	12.00000	99.75000
0.00000	0.00000	-0.51993	1	2163	-10.00000	12.00000	99.75000
0.00000	0.00000	-0.53687	1	2164	-9.00000	12.00000	99.75000
0.00000	0.00000	-0.53984	1	2165	-8.00000	12.00000	99.75000
0.00000	0.00000	-0.53016	1	2166	-7.00000	12.00000	99.75000
0.00000	0.00000	-0.50997	1	2167	-6.00000	12.00000	99.75000
0.00000	0.00000	-0.48193	1	2168	-5.00000	12.00000	99.75000
0.00000	0.00000	-0.44884	1	2169	-4.00000	12.00000	99.75000
0.00000	0.00000	-0.41327	1	2170	-3.00000	12.00000	99.75000
0.00000	0.00000	-0.37725	1	2171	-2.00000	12.00000	99.75000
0.00000	0.00000	-0.34228	1	2172	-1.00000	12.00000	99.75000
0.00000	0.00000	-0.30928	1	2173	0.00000	12.00000	99.75000
0.00000	0.00000	0.18872	1	2174	-40.00000	13.00000	99.75000
0.00000	0.00000	0.21026	1	2175	-39.00000	13.00000	99.75000
0.00000	0.00000	0.23388	1	2176	-38.00000	13.00000	99.75000
0.00000	0.00000	0.25918	1	2177	-37.00000	13.00000	99.75000
0.00000	0.00000	0.28532	1	2178	-36.00000	13.00000	99.75000
0.00000	0.00000	0.31091	1	2179	-35.00000	13.00000	99.75000
0.00000	0.00000	0.33395	1	2180	-34.00000	13.00000	99.75000
0.00000	0.00000	0.35212	1	2181	-33.00000	13.00000	99.75000
0.00000	0.00000	0.36323	1	2182	-32.00000	13.00000	99.75000
0.00000	0.00000	0.36578	1	2183	-31.00000	13.00000	99.75000
0.00000	0.00000	0.35946	1	2184	-30.00000	13.00000	99.75000
0.00000	0.00000	0.34509	1	2185	-29.00000	13.00000	99.75000
0.00000	0.00000	0.32427	1	2186	-28.00000	13.00000	99.75000
0.00000	0.00000	0.29886	1	2187	-27.00000	13.00000	99.75000
0.00000	0.00000	0.27056	1	2188	-26.00000	13.00000	99.75000
0.00000	0.00000	0.24060	1	2189	-25.00000	13.00000	99.75000
				2190	-24.00000	13.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements: Ref.	Displacements: x	Displacements: y	Set: Displacements: Ref.	Name	z	1	Result: Coordinates:	Coordinates:	Coordinates:	Coordinates:
							Ref.	x	y	z
0.00000	0.00000	0.00000	0.20956			1	2191	-23.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.17732			1	2192	-22.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.14306			1	2193	-21.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.10557			1	2194	-20.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.06355			1	2195	-19.00000	13.00000	99.75000
0.00000	0.00000	0.00000	0.01618			1	2196	-18.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.03651			1	2197	-17.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.09346			1	2198	-16.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.15271			1	2199	-15.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.21175			1	2200	-14.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.26797			1	2201	-13.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.31893			1	2202	-12.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.36261			1	2203	-11.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.39743			1	2204	-10.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.42237			1	2205	-9.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.43696			1	2206	-8.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.44139			1	2207	-7.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.43652			1	2208	-6.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.42372			1	2209	-5.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.40470			1	2210	-4.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.38133			1	2211	-3.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.35536			1	2212	-2.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.32828			1	2213	-1.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.30127			1	2214	0.00000	13.00000	99.75000
0.00000	0.00000	0.00000	-0.27514			1	2215	-40.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.16785			1	2216	-39.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.18488			1	2217	-38.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.20304			1	2218	-37.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.22190			1	2219	-36.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.24073			1	2220	-35.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.25851			1	2221	-34.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.27393			1	2222	-33.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.28558			1	2223	-32.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.29215			1	2224	-31.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.29280			1	2225	-30.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.28729			1	2226	-29.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.27600			1	2227	-28.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.25979			1	2228	-27.00000	14.00000	99.75000
0.00000	0.00000	0.00000	0.23973			1				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.21682	1	2229	-26.00000	14.00000	99.75000
0.00000	0.00000	0.19184	1	2230	-25.00000	14.00000	99.75000
0.00000	0.00000	0.16519	1	2231	-24.00000	14.00000	99.75000
0.00000	0.00000	0.13687	1	2232	-23.00000	14.00000	99.75000
0.00000	0.00000	0.10652	1	2233	-22.00000	14.00000	99.75000
0.00000	0.00000	0.07357	1	2234	-21.00000	14.00000	99.75000
0.00000	0.00000	0.03746	1	2235	-20.00000	14.00000	99.75000
0.00000	0.00000	-0.00209	1	2236	-19.00000	14.00000	99.75000
0.00000	0.00000	-0.04486	1	2237	-18.00000	14.00000	99.75000
0.00000	0.00000	-0.09007	1	2238	-17.00000	14.00000	99.75000
0.00000	0.00000	-0.13642	1	2239	-16.00000	14.00000	99.75000
0.00000	0.00000	-0.18226	1	2240	-15.00000	14.00000	99.75000
0.00000	0.00000	-0.22582	1	2241	-14.00000	14.00000	99.75000
0.00000	0.00000	-0.26540	1	2242	-13.00000	14.00000	99.75000
0.00000	0.00000	-0.29957	1	2243	-12.00000	14.00000	99.75000
0.00000	0.00000	-0.32717	1	2244	-11.00000	14.00000	99.75000
0.00000	0.00000	-0.34746	1	2245	-10.00000	14.00000	99.75000
0.00000	0.00000	-0.36009	1	2246	-9.00000	14.00000	99.75000
0.00000	0.00000	-0.36519	1	2247	-8.00000	14.00000	99.75000
0.00000	0.00000	-0.36330	1	2248	-7.00000	14.00000	99.75000
0.00000	0.00000	-0.35531	1	2249	-6.00000	14.00000	99.75000
0.00000	0.00000	-0.34238	1	2250	-5.00000	14.00000	99.75000
0.00000	0.00000	-0.32576	1	2251	-4.00000	14.00000	99.75000
0.00000	0.00000	-0.30667	1	2252	-3.00000	14.00000	99.75000
0.00000	0.00000	-0.28622	1	2253	-2.00000	14.00000	99.75000
0.00000	0.00000	-0.26530	1	2254	-1.00000	14.00000	99.75000
0.00000	0.00000	-0.24460	1	2255	0.00000	14.00000	99.75000
0.00000	0.00000	0.14898	1	2256	-40.00000	15.00000	99.75000
0.00000	0.00000	0.16242	1	2257	-39.00000	15.00000	99.75000
0.00000	0.00000	0.17638	1	2258	-38.00000	15.00000	99.75000
0.00000	0.00000	0.19048	1	2259	-37.00000	15.00000	99.75000
0.00000	0.00000	0.20414	1	2260	-36.00000	15.00000	99.75000
0.00000	0.00000	0.21662	1	2261	-35.00000	15.00000	99.75000
0.00000	0.00000	0.22704	1	2262	-34.00000	15.00000	99.75000
0.00000	0.00000	0.23450	1	2263	-33.00000	15.00000	99.75000
0.00000	0.00000	0.23820	1	2264	-32.00000	15.00000	99.75000
0.00000	0.00000	0.23762	1	2265	-31.00000	15.00000	99.75000
0.00000	0.00000	0.23257	1	2266	-30.00000	15.00000	99.75000
				2267	-29.00000	15.00000	99.75000



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Set: Displacements: Ref.	Displacements: y	Set: Displacements: Ref.	Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.22324	1		2268	-28.00000	15.00000	99.75000
0.00000	0.00000	0.21010	1		2269	-27.00000	15.00000	99.75000
0.00000	0.00000	0.19374	1		2270	-26.00000	15.00000	99.75000
0.00000	0.00000	0.17479	1		2271	-25.00000	15.00000	99.75000
0.00000	0.00000	0.15374	1		2272	-24.00000	15.00000	99.75000
0.00000	0.00000	0.13087	1		2273	-23.00000	15.00000	99.75000
0.00000	0.00000	0.10627	1		2274	-22.00000	15.00000	99.75000
0.00000	0.00000	0.07980	1		2275	-21.00000	15.00000	99.75000
0.00000	0.00000	0.05127	1		2276	-20.00000	15.00000	99.75000
0.00000	0.00000	0.02047	1		2277	-19.00000	15.00000	99.75000
0.00000	0.00000	-0.01259	1		2278	-18.00000	15.00000	99.75000
0.00000	0.00000	-0.04765	1		2279	-17.00000	15.00000	99.75000
0.00000	0.00000	-0.08409	1		2280	-16.00000	15.00000	99.75000
0.00000	0.00000	-0.12099	1		2281	-15.00000	15.00000	99.75000
0.00000	0.00000	-0.15722	1		2282	-14.00000	15.00000	99.75000
0.00000	0.00000	-0.19157	1		2283	-13.00000	15.00000	99.75000
0.00000	0.00000	-0.22284	1		2284	-12.00000	15.00000	99.75000
0.00000	0.00000	-0.25000	1		2285	-11.00000	15.00000	99.75000
0.00000	0.00000	-0.27222	1		2286	-10.00000	15.00000	99.75000
0.00000	0.00000	-0.28894	1		2287	-9.00000	15.00000	99.75000
0.00000	0.00000	-0.29992	1		2288	-8.00000	15.00000	99.75000
0.00000	0.00000	-0.30520	1		2289	-7.00000	15.00000	99.75000
0.00000	0.00000	-0.30514	1		2290	-6.00000	15.00000	99.75000
0.00000	0.00000	-0.30035	1		2291	-5.00000	15.00000	99.75000
0.00000	0.00000	-0.29158	1		2292	-4.00000	15.00000	99.75000
0.00000	0.00000	-0.27972	1		2293	-3.00000	15.00000	99.75000
0.00000	0.00000	-0.26562	1		2294	-2.00000	15.00000	99.75000
0.00000	0.00000	-0.25011	1		2295	-1.00000	15.00000	99.75000
0.00000	0.00000	-0.23386	1		2296	0.00000	15.00000	99.75000
0.00000	0.00000	-0.21745	1		2297	-40.00000	16.00000	99.75000
0.00000	0.00000	0.13208	1		2298	-39.00000	16.00000	99.75000
0.00000	0.00000	0.14267	1		2299	-38.00000	16.00000	99.75000
0.00000	0.00000	0.15342	1		2300	-37.00000	16.00000	99.75000
0.00000	0.00000	0.16399	1		2301	-36.00000	16.00000	99.75000
0.00000	0.00000	0.17395	1		2302	-35.00000	16.00000	99.75000
0.00000	0.00000	0.18275	1		2303	-34.00000	16.00000	99.75000
0.00000	0.00000	0.18979	1		2304	-33.00000	16.00000	99.75000
0.00000	0.00000	0.19449	1		2305	-32.00000	16.00000	99.75000
0.00000	0.00000	0.19632	1					



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Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.19494	1	2306	-31.00000	16.00000	99.75000
0.00000	0.00000	0.19022	1	2307	-30.00000	16.00000	99.75000
0.00000	0.00000	0.18223	1	2308	-29.00000	16.00000	99.75000
0.00000	0.00000	0.17123	1	2309	-28.00000	16.00000	99.75000
0.00000	0.00000	0.15757	1	2310	-27.00000	16.00000	99.75000
0.00000	0.00000	0.14164	1	2311	-26.00000	16.00000	99.75000
0.00000	0.00000	0.12374	1	2312	-25.00000	16.00000	99.75000
0.00000	0.00000	0.10412	1	2313	-24.00000	16.00000	99.75000
0.00000	0.00000	0.08286	1	2314	-23.00000	16.00000	99.75000
0.00000	0.00000	0.05998	1	2315	-22.00000	16.00000	99.75000
0.00000	0.00000	0.03545	1	2316	-21.00000	16.00000	99.75000
0.00000	0.00000	0.00927	1	2317	-20.00000	16.00000	99.75000
0.00000	0.00000	-0.01844	1	2318	-19.00000	16.00000	99.75000
0.00000	0.00000	-0.04740	1	2319	-18.00000	16.00000	99.75000
0.00000	0.00000	-0.07712	1	2320	-17.00000	16.00000	99.75000
0.00000	0.00000	-0.10692	1	2321	-16.00000	16.00000	99.75000
0.00000	0.00000	-0.13600	1	2322	-15.00000	16.00000	99.75000
0.00000	0.00000	-0.16350	1	2323	-14.00000	16.00000	99.75000
0.00000	0.00000	-0.18858	1	2324	-13.00000	16.00000	99.75000
0.00000	0.00000	-0.21048	1	2325	-12.00000	16.00000	99.75000
0.00000	0.00000	-0.22861	1	2326	-11.00000	16.00000	99.75000
0.00000	0.00000	-0.24255	1	2327	-10.00000	16.00000	99.75000
0.00000	0.00000	-0.25211	1	2328	-9.00000	16.00000	99.75000
0.00000	0.00000	-0.25731	1	2329	-8.00000	16.00000	99.75000
0.00000	0.00000	-0.25836	1	2330	-7.00000	16.00000	99.75000
0.00000	0.00000	-0.25569	1	2331	-6.00000	16.00000	99.75000
0.00000	0.00000	-0.24981	1	2332	-5.00000	16.00000	99.75000
0.00000	0.00000	-0.24134	1	2333	-4.00000	16.00000	99.75000
0.00000	0.00000	-0.23090	1	2334	-3.00000	16.00000	99.75000
0.00000	0.00000	-0.21909	1	2335	-2.00000	16.00000	99.75000
0.00000	0.00000	-0.20644	1	2336	-1.00000	16.00000	99.75000
0.00000	0.00000	-0.19341	1	2337	0.00000	16.00000	99.75000
0.00000	0.00000	0.11705	1	2338	-40.00000	17.00000	99.75000
0.00000	0.00000	0.12538	1	2339	-39.00000	17.00000	99.75000
0.00000	0.00000	0.13366	1	2340	-38.00000	17.00000	99.75000
0.00000	0.00000	0.14160	1	2341	-37.00000	17.00000	99.75000
0.00000	0.00000	0.14887	1	2342	-36.00000	17.00000	99.75000
0.00000	0.00000	0.15507	1	2343	-35.00000	17.00000	99.75000
				2344	-34.00000	17.00000	99.75000



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Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.15979	2345	-33.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.16262	2346	-32.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.16321	2347	-31.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.16133	2348	-30.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.15688	2349	-29.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.14987	2350	-28.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.14046	2351	-27.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.12885	2352	-26.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.11528	2353	-25.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.09998	2354	-24.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.08311	2355	-23.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.06479	2356	-22.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.04509	2357	-21.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.02407	2358	-20.00000	17.00000	99.75000
0.00000	0.00000	0.00000	0.00184	2359	-19.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.02146	2360	-18.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.04554	2361	-17.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.07001	2362	-16.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.09437	2363	-15.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.11801	2364	-14.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.14033	2365	-13.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.16071	2366	-12.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.17860	2367	-11.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.19357	2368	-10.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.20530	2369	-9.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.21364	2370	-8.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.21860	2371	-7.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.22031	2372	-6.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.21904	2373	-5.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.21518	2374	-4.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.20915	2375	-3.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.20141	2376	-2.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.19240	2377	-1.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.18253	2378	0.00000	17.00000	99.75000
0.00000	0.00000	0.00000	-0.17217	2379	-40.00000	18.00000	99.75000
0.00000	0.00000	0.00000	0.10372	2380	-39.00000	18.00000	99.75000
0.00000	0.00000	0.00000	0.11028	2381	-38.00000	18.00000	99.75000
0.00000	0.00000	0.00000	0.11665	2382	-37.00000	18.00000	99.75000
0.00000	0.00000	0.00000	0.12261				



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Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.12791	1	2383	-36.00000	18.00000	99.75000
0.00000	0.00000	0.13225	1	2384	-35.00000	18.00000	99.75000
0.00000	0.00000	0.13534	1	2385	-34.00000	18.00000	99.75000
0.00000	0.00000	0.13689	1	2386	-33.00000	18.00000	99.75000
0.00000	0.00000	0.13666	1	2387	-32.00000	18.00000	99.75000
0.00000	0.00000	0.13448	1	2388	-31.00000	18.00000	99.75000
0.00000	0.00000	0.13027	1	2389	-30.00000	18.00000	99.75000
0.00000	0.00000	0.12404	1	2390	-29.00000	18.00000	99.75000
0.00000	0.00000	0.11586	1	2391	-28.00000	18.00000	99.75000
0.00000	0.00000	0.10587	1	2392	-27.00000	18.00000	99.75000
0.00000	0.00000	0.09421	1	2393	-26.00000	18.00000	99.75000
0.00000	0.00000	0.08105	1	2394	-25.00000	18.00000	99.75000
0.00000	0.00000	0.06651	1	2395	-24.00000	18.00000	99.75000
0.00000	0.00000	0.05073	1	2396	-23.00000	18.00000	99.75000
0.00000	0.00000	0.03380	1	2397	-22.00000	18.00000	99.75000
0.00000	0.00000	0.01582	1	2398	-21.00000	18.00000	99.75000
0.00000	0.00000	-0.00309	1	2399	-20.00000	18.00000	99.75000
0.00000	0.00000	-0.02274	1	2400	-19.00000	18.00000	99.75000
0.00000	0.00000	-0.04288	1	2401	-18.00000	18.00000	99.75000
0.00000	0.00000	-0.06320	1	2402	-17.00000	18.00000	99.75000
0.00000	0.00000	-0.08330	1	2403	-16.00000	18.00000	99.75000
0.00000	0.00000	-0.10274	1	2404	-15.00000	18.00000	99.75000
0.00000	0.00000	-0.12106	1	2405	-14.00000	18.00000	99.75000
0.00000	0.00000	-0.13782	1	2406	-13.00000	18.00000	99.75000
0.00000	0.00000	-0.15260	1	2407	-12.00000	18.00000	99.75000
0.00000	0.00000	-0.16509	1	2408	-11.00000	18.00000	99.75000
0.00000	0.00000	-0.17504	1	2409	-10.00000	18.00000	99.75000
0.00000	0.00000	-0.18234	1	2410	-9.00000	18.00000	99.75000
0.00000	0.00000	-0.18698	1	2411	-8.00000	18.00000	99.75000
0.00000	0.00000	-0.18904	1	2412	-7.00000	18.00000	99.75000
0.00000	0.00000	-0.18872	1	2413	-6.00000	18.00000	99.75000
0.00000	0.00000	-0.18627	1	2414	-5.00000	18.00000	99.75000
0.00000	0.00000	-0.18201	1	2415	-4.00000	18.00000	99.75000
0.00000	0.00000	-0.17627	1	2416	-3.00000	18.00000	99.75000
0.00000	0.00000	-0.16939	1	2417	-2.00000	18.00000	99.75000
0.00000	0.00000	-0.16168	1	2418	-1.00000	18.00000	99.75000
0.00000	0.00000	-0.15343	1	2419	0.00000	18.00000	99.75000
0.00000	0.00000	0.09194	1	2420	-40.00000	19.00000	99.75000
				2421	-39.00000	19.00000	99.75000



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Set: Displacements: Ref.	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.09709	1	2422	-38.00000	19.00000	99.75000
0.00000	0.00000	0.10199	1	2423	-37.00000	19.00000	99.75000
0.00000	0.00000	0.10646	1	2424	-36.00000	19.00000	99.75000
0.00000	0.00000	0.11029	1	2425	-35.00000	19.00000	99.75000
0.00000	0.00000	0.11329	1	2426	-34.00000	19.00000	99.75000
0.00000	0.00000	0.11522	1	2427	-33.00000	19.00000	99.75000
0.00000	0.00000	0.11588	1	2428	-32.00000	19.00000	99.75000
0.00000	0.00000	0.11510	1	2429	-31.00000	19.00000	99.75000
0.00000	0.00000	0.11277	1	2430	-30.00000	19.00000	99.75000
0.00000	0.00000	0.10881	1	2431	-29.00000	19.00000	99.75000
0.00000	0.00000	0.10321	1	2432	-28.00000	19.00000	99.75000
0.00000	0.00000	0.09603	1	2433	-27.00000	19.00000	99.75000
0.00000	0.00000	0.08734	1	2434	-26.00000	19.00000	99.75000
0.00000	0.00000	0.07725	1	2435	-25.00000	19.00000	99.75000
0.00000	0.00000	0.06588	1	2436	-24.00000	19.00000	99.75000
0.00000	0.00000	0.05334	1	2437	-23.00000	19.00000	99.75000
0.00000	0.00000	0.03974	1	2438	-22.00000	19.00000	99.75000
0.00000	0.00000	0.02518	1	2439	-21.00000	19.00000	99.75000
0.00000	0.00000	0.00978	1	2440	-20.00000	19.00000	99.75000
0.00000	0.00000	-0.00632	1	2441	-19.00000	19.00000	99.75000
0.00000	0.00000	-0.02295	1	2442	-18.00000	19.00000	99.75000
0.00000	0.00000	-0.03989	1	2443	-17.00000	19.00000	99.75000
0.00000	0.00000	-0.05688	1	2444	-16.00000	19.00000	99.75000
0.00000	0.00000	-0.07362	1	2445	-15.00000	19.00000	99.75000
0.00000	0.00000	-0.08975	1	2446	-14.00000	19.00000	99.75000
0.00000	0.00000	-0.10494	1	2447	-13.00000	19.00000	99.75000
0.00000	0.00000	-0.11886	1	2448	-12.00000	19.00000	99.75000
0.00000	0.00000	-0.13119	1	2449	-11.00000	19.00000	99.75000
0.00000	0.00000	-0.14171	1	2450	-10.00000	19.00000	99.75000
0.00000	0.00000	-0.15021	1	2451	-9.00000	19.00000	99.75000
0.00000	0.00000	-0.15662	1	2452	-8.00000	19.00000	99.75000
0.00000	0.00000	-0.16091	1	2453	-7.00000	19.00000	99.75000
0.00000	0.00000	-0.16313	1	2454	-6.00000	19.00000	99.75000
0.00000	0.00000	-0.16343	1	2455	-5.00000	19.00000	99.75000
0.00000	0.00000	-0.16198	1	2456	-4.00000	19.00000	99.75000
0.00000	0.00000	-0.15901	1	2457	-3.00000	19.00000	99.75000
0.00000	0.00000	-0.15477	1	2458	-2.00000	19.00000	99.75000
0.00000	0.00000	-0.14951	1	2459	-1.00000	19.00000	99.75000
0.00000	0.00000	-0.14348	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.13690	2460	0.00000	19.00000	99.75000
0.00000	0.00000	0.00000	0.08153	2461	-40.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.08557	2462	-39.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.08933	2463	-38.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09266	2464	-37.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09541	2465	-36.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09741	2466	-35.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09852	2467	-34.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09857	2468	-33.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09744	2469	-32.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09504	2470	-31.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.09133	2471	-30.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.08628	2472	-29.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.07992	2473	-28.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.07232	2474	-27.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.06355	2475	-26.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.05368	2476	-25.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.04283	2477	-24.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.03109	2478	-23.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.01856	2479	-22.00000	20.00000	99.75000
0.00000	0.00000	0.00000	0.00536	2480	-21.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.00839	2481	-20.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.02251	2482	-19.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.03684	2483	-18.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.05114	2484	-17.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.06517	2485	-16.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.07867	2486	-15.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.09138	2487	-14.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.10304	2488	-13.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.11342	2489	-12.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.12234	2490	-11.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.12966	2491	-10.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.13529	2492	-9.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.13923	2493	-8.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.14149	2494	-7.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.14219	2495	-6.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.14144	2496	-5.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.13942	2497	-4.00000	20.00000	99.75000
				2498	-3.00000	20.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.13630	2499	-2.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.13229	2500	-1.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.12756	2501	0.00000	20.00000	99.75000
0.00000	0.00000	0.00000	-0.12231	2502	-40.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.07235	2503	-39.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.07551	2504	-38.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.07837	2505	-37.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08083	2506	-36.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08276	2507	-35.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08405	2508	-34.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08456	2509	-33.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08419	2510	-32.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08284	2511	-31.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.08045	2512	-30.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.07698	2513	-29.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.07241	2514	-28.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.06676	2515	-27.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.06008	2516	-26.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.05241	2517	-25.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.04383	2518	-24.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.03442	2519	-23.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.02426	2520	-22.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.01346	2521	-21.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.00211	2522	-20.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.00965	2523	-19.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.02170	2524	-18.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.03386	2525	-17.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.04596	2526	-16.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.05781	2527	-15.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.06919	2528	-14.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.07990	2529	-13.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.08975	2530	-12.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.09856	2531	-11.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.10618	2532	-10.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.11250	2533	-9.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.11747	2534	-8.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.12106	2535	-7.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.12330	2536	-6.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.12424				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.12398	2537	-5.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.12265	2538	-4.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.12038	2539	-3.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.11732	2540	-2.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.11363	2541	-1.00000	21.00000	99.75000
0.00000	0.00000	0.00000	-0.10943	2542	0.00000	21.00000	99.75000
0.00000	0.00000	0.00000	0.06424	2543	-40.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.06670	2544	-39.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.06887	2545	-38.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.07066	2546	-37.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.07198	2547	-36.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.07273	2548	-35.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.07282	2549	-34.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.07217	2550	-33.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.07070	2551	-32.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.06836	2552	-31.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.06512	2553	-30.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.06098	2554	-29.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.05595	2555	-28.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.05004	2556	-27.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.04332	2557	-26.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.03583	2558	-25.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.02765	2559	-24.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.01885	2560	-23.00000	22.00000	99.75000
0.00000	0.00000	0.00000	0.00951	2561	-22.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.00026	2562	-21.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.01036	2563	-20.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.02067	2564	-19.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.03104	2565	-18.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.04134	2566	-17.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.05140	2567	-16.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.06105	2568	-15.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.07014	2569	-14.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.07852	2570	-13.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.08604	2571	-12.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.09259	2572	-11.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.09808	2573	-10.00000	22.00000	99.75000
0.00000	0.00000	0.00000	-0.10248	2574	-9.00000	22.00000	99.75000
0.00000	0.00000	0.00000		2575	-8.00000	22.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref.	Displacements: y	Set: Displacements: Name	z	1	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	-0.10574		1	2576	-7.00000	22.00000	99.75000
0.00000	0.00000	-0.10789		1	2577	-6.00000	22.00000	99.75000
0.00000	0.00000	-0.10898		1	2578	-5.00000	22.00000	99.75000
0.00000	0.00000	-0.10906		1	2579	-4.00000	22.00000	99.75000
0.00000	0.00000	-0.10824		1	2580	-3.00000	22.00000	99.75000
0.00000	0.00000	-0.10661		1	2581	-2.00000	22.00000	99.75000
0.00000	0.00000	-0.10429		1	2582	-1.00000	22.00000	99.75000
0.00000	0.00000	-0.10140		1	2583	0.00000	22.00000	99.75000
0.00000	0.00000	-0.09805		1	2584	-40.00000	23.00000	99.75000
0.00000	0.00000	0.05709		1	2585	-39.00000	23.00000	99.75000
0.00000	0.00000	0.05899		1	2586	-38.00000	23.00000	99.75000
0.00000	0.00000	0.06061		1	2587	-37.00000	23.00000	99.75000
0.00000	0.00000	0.06189		1	2588	-36.00000	23.00000	99.75000
0.00000	0.00000	0.06275		1	2589	-35.00000	23.00000	99.75000
0.00000	0.00000	0.06310		1	2590	-34.00000	23.00000	99.75000
0.00000	0.00000	0.06289		1	2591	-33.00000	23.00000	99.75000
0.00000	0.00000	0.06205		1	2592	-32.00000	23.00000	99.75000
0.00000	0.00000	0.06053		1	2593	-31.00000	23.00000	99.75000
0.00000	0.00000	0.05827		1	2594	-30.00000	23.00000	99.75000
0.00000	0.00000	0.05527		1	2595	-29.00000	23.00000	99.75000
0.00000	0.00000	0.05152		1	2596	-28.00000	23.00000	99.75000
0.00000	0.00000	0.04701		1	2597	-27.00000	23.00000	99.75000
0.00000	0.00000	0.04179		1	2598	-26.00000	23.00000	99.75000
0.00000	0.00000	0.03587		1	2599	-25.00000	23.00000	99.75000
0.00000	0.00000	0.02932		1	2600	-24.00000	23.00000	99.75000
0.00000	0.00000	0.02219		1	2601	-23.00000	23.00000	99.75000
0.00000	0.00000	0.01454		1	2602	-22.00000	23.00000	99.75000
0.00000	0.00000	0.00645		1	2603	-21.00000	23.00000	99.75000
0.00000	0.00000	-0.00199		1	2604	-20.00000	23.00000	99.75000
0.00000	0.00000	-0.01068		1	2605	-19.00000	23.00000	99.75000
0.00000	0.00000	-0.01953		1	2606	-18.00000	23.00000	99.75000
0.00000	0.00000	-0.02842		1	2607	-17.00000	23.00000	99.75000
0.00000	0.00000	-0.03722		1	2608	-16.00000	23.00000	99.75000
0.00000	0.00000	-0.04580		1	2609	-15.00000	23.00000	99.75000
0.00000	0.00000	-0.05404		1	2610	-14.00000	23.00000	99.75000
0.00000	0.00000	-0.06180		1	2611	-13.00000	23.00000	99.75000
0.00000	0.00000	-0.06897		1	2612	-12.00000	23.00000	99.75000
0.00000	0.00000	-0.07542		1	2613	-11.00000	23.00000	99.75000
0.00000	0.00000	-0.08109		1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	-0.08588	2614	-10.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.08977	2615	-9.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09274	2616	-8.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09478	2617	-7.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09593	2618	-6.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09625	2619	-5.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09580	2620	-4.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09466	2621	-3.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09291	2622	-2.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.09065	2623	-1.00000	23.00000	99.75000
0.00000	0.00000	0.00000	-0.08798	2624	0.00000	23.00000	99.75000
0.00000	0.00000	0.00000	0.05077	2625	-40.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05223	2626	-39.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05342	2627	-38.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05430	2628	-37.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05481	2629	-36.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05488	2630	-35.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05446	2631	-34.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05350	2632	-33.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.05197	2633	-32.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.04982	2634	-31.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.04705	2635	-30.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.04364	2636	-29.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.03960	2637	-28.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.03497	2638	-27.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.02975	2639	-26.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.02400	2640	-25.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.01777	2641	-24.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.01111	2642	-23.00000	24.00000	99.75000
0.00000	0.00000	0.00000	0.00408	2643	-22.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.00322	2644	-21.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.01073	2645	-20.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.01836	2646	-19.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.02600	2647	-18.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.03355	2648	-17.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.04092	2649	-16.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.04798	2650	-15.00000	24.00000	99.75000
0.00000	0.00000	0.00000	-0.05464	2651	-14.00000	24.00000	99.75000
				2652	-13.00000	24.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set:				Result:			
Displacements:	Displacements:	Displacements:		Coordinates:	Coordinates:	Coordinates:	Coordinates:
Ref.		Name		Ref.	x	y	z
x	y	z					
0.00000	0.00000	-0.06080	1	2653	-12.00000	24.00000	99.75000
0.00000	0.00000	-0.06638	1	2654	-11.00000	24.00000	99.75000
0.00000	0.00000	-0.07130	1	2655	-10.00000	24.00000	99.75000
0.00000	0.00000	-0.07550	1	2656	-9.00000	24.00000	99.75000
0.00000	0.00000	-0.07895	1	2657	-8.00000	24.00000	99.75000
0.00000	0.00000	-0.08164	1	2658	-7.00000	24.00000	99.75000
0.00000	0.00000	-0.08356	1	2659	-6.00000	24.00000	99.75000
0.00000	0.00000	-0.08473	1	2660	-5.00000	24.00000	99.75000
0.00000	0.00000	-0.08521	1	2661	-4.00000	24.00000	99.75000
0.00000	0.00000	-0.08502	1	2662	-3.00000	24.00000	99.75000
0.00000	0.00000	-0.08425	1	2663	-2.00000	24.00000	99.75000
0.00000	0.00000	-0.08295	1	2664	-1.00000	24.00000	99.75000
0.00000	0.00000	-0.08119	1	2665	0.00000	24.00000	99.75000
0.00000	0.00000	-0.07905	1	2666	-40.00000	25.00000	99.75000
0.00000	0.00000	0.04518	1	2667	-39.00000	25.00000	99.75000
0.00000	0.00000	0.04628	1	2668	-38.00000	25.00000	99.75000
0.00000	0.00000	0.04715	1	2669	-37.00000	25.00000	99.75000
0.00000	0.00000	0.04772	1	2670	-36.00000	25.00000	99.75000
0.00000	0.00000	0.04797	1	2671	-35.00000	25.00000	99.75000
0.00000	0.00000	0.04783	1	2672	-34.00000	25.00000	99.75000
0.00000	0.00000	0.04727	1	2673	-33.00000	25.00000	99.75000
0.00000	0.00000	0.04625	1	2674	-32.00000	25.00000	99.75000
0.00000	0.00000	0.04473	1	2675	-31.00000	25.00000	99.75000
0.00000	0.00000	0.04270	1	2676	-30.00000	25.00000	99.75000
0.00000	0.00000	0.04014	1	2677	-29.00000	25.00000	99.75000
0.00000	0.00000	0.03705	1	2678	-28.00000	25.00000	99.75000
0.00000	0.00000	0.03343	1	2679	-27.00000	25.00000	99.75000
0.00000	0.00000	0.02931	1	2680	-26.00000	25.00000	99.75000
0.00000	0.00000	0.02470	1	2681	-25.00000	25.00000	99.75000
0.00000	0.00000	0.01964	1	2682	-24.00000	25.00000	99.75000
0.00000	0.00000	0.01418	1	2683	-23.00000	25.00000	99.75000
0.00000	0.00000	0.00836	1	2684	-22.00000	25.00000	99.75000
0.00000	0.00000	0.00225	1	2685	-21.00000	25.00000	99.75000
0.00000	0.00000	-0.00409	1	2686	-20.00000	25.00000	99.75000
0.00000	0.00000	-0.01060	1	2687	-19.00000	25.00000	99.75000
0.00000	0.00000	-0.01719	1	2688	-18.00000	25.00000	99.75000
0.00000	0.00000	-0.02379	1	2689	-17.00000	25.00000	99.75000
0.00000	0.00000	-0.03030	1	2690	-16.00000	25.00000	99.75000
0.00000	0.00000	-0.03664	1				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Set:				Result: Coordinates:			
Displacements:	Displacements:	Displacements:		Ref.	x	y	z
Ref.		Name					
x	y	z					
0.00000	0.00000	-0.04273	1	2691	-15.00000	25.00000	99.75000
0.00000	0.00000	-0.04847	1	2692	-14.00000	25.00000	99.75000
0.00000	0.00000	-0.05379	1	2693	-13.00000	25.00000	99.75000
0.00000	0.00000	-0.05863	1	2694	-12.00000	25.00000	99.75000
0.00000	0.00000	-0.06292	1	2695	-11.00000	25.00000	99.75000
0.00000	0.00000	-0.06661	1	2696	-10.00000	25.00000	99.75000
0.00000	0.00000	-0.06968	1	2697	-9.00000	25.00000	99.75000
0.00000	0.00000	-0.07211	1	2698	-8.00000	25.00000	99.75000
0.00000	0.00000	-0.07391	1	2699	-7.00000	25.00000	99.75000
0.00000	0.00000	-0.07507	1	2700	-6.00000	25.00000	99.75000
0.00000	0.00000	-0.07564	1	2701	-5.00000	25.00000	99.75000
0.00000	0.00000	-0.07566	1	2702	-4.00000	25.00000	99.75000
0.00000	0.00000	-0.07516	1	2703	-3.00000	25.00000	99.75000
0.00000	0.00000	-0.07420	1	2704	-2.00000	25.00000	99.75000
0.00000	0.00000	-0.07284	1	2705	-1.00000	25.00000	99.75000
0.00000	0.00000	-0.07114	1	2706	0.00000	25.00000	99.75000
0.00000	0.00000	0.04024	1	2707	-40.00000	26.00000	99.75000
0.00000	0.00000	0.04106	1	2708	-39.00000	26.00000	99.75000
0.00000	0.00000	0.04166	1	2709	-38.00000	26.00000	99.75000
0.00000	0.00000	0.04200	1	2710	-37.00000	26.00000	99.75000
0.00000	0.00000	0.04205	1	2711	-36.00000	26.00000	99.75000
0.00000	0.00000	0.04176	1	2712	-35.00000	26.00000	99.75000
0.00000	0.00000	0.04111	1	2713	-34.00000	26.00000	99.75000
0.00000	0.00000	0.04006	1	2714	-33.00000	26.00000	99.75000
0.00000	0.00000	0.03859	1	2715	-32.00000	26.00000	99.75000
0.00000	0.00000	0.03668	1	2716	-31.00000	26.00000	99.75000
0.00000	0.00000	0.03432	1	2717	-30.00000	26.00000	99.75000
0.00000	0.00000	0.03152	1	2718	-29.00000	26.00000	99.75000
0.00000	0.00000	0.02827	1	2719	-28.00000	26.00000	99.75000
0.00000	0.00000	0.02460	1	2720	-27.00000	26.00000	99.75000
0.00000	0.00000	0.02051	1	2721	-26.00000	26.00000	99.75000
0.00000	0.00000	0.01606	1	2722	-25.00000	26.00000	99.75000
0.00000	0.00000	0.01126	1	2723	-24.00000	26.00000	99.75000
0.00000	0.00000	0.00617	1	2724	-23.00000	26.00000	99.75000
0.00000	0.00000	0.00084	1	2725	-22.00000	26.00000	99.75000
0.00000	0.00000	-0.00469	1	2726	-21.00000	26.00000	99.75000
0.00000	0.00000	-0.01034	1	2727	-20.00000	26.00000	99.75000
0.00000	0.00000	-0.01606	1	2728	-19.00000	26.00000	99.75000
				2729	-18.00000	26.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref.	Displacements: y	Set: Displacements: Ref.	Displacements: z	1	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.00000	-0.02177	1	2730	-17.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.02740	1	2731	-16.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.03289	1	2732	-15.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.03815	1	2733	-14.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.04313	1	2734	-13.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.04775	1	2735	-12.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.05196	1	2736	-11.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.05571	1	2737	-10.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.05897	1	2738	-9.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06170	1	2739	-8.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06390	1	2740	-7.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06557	1	2741	-6.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06670	1	2742	-5.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06733	1	2743	-4.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06748	1	2744	-3.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06719	1	2745	-2.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06650	1	2746	-1.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06545	1	2747	0.00000	26.00000	99.75000
0.00000	0.00000	0.00000	-0.06410	1	2748	-40.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03586	1	2749	-39.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03646	1	2750	-38.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03685	1	2751	-37.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03702	1	2752	-36.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03692	1	2753	-35.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03653	1	2754	-34.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03582	1	2755	-33.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03477	1	2756	-32.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03336	1	2757	-31.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03157	1	2758	-30.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.02941	1	2759	-29.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.02686	1	2760	-28.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.02394	1	2761	-27.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.02066	1	2762	-26.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.01704	1	2763	-25.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.01310	1	2764	-24.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.00888	1	2765	-23.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.00442	1	2766	-22.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00025	1	2767	-21.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.00507	1				



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Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements:				Result: Coordinates:				
Ref.	x	y	z	Ref.	x	y	z	
0.00000	0.00000	0.00000	-0.01000	1	2768	-20.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01497	1	2769	-19.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.01993	1	2770	-18.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.02482	1	2771	-17.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.02958	1	2772	-16.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.03416	1	2773	-15.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.03848	1	2774	-14.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.04251	1	2775	-13.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.04619	1	2776	-12.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.04949	1	2777	-11.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05236	1	2778	-10.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05481	1	2779	-9.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05680	1	2780	-8.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05833	1	2781	-7.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05942	1	2782	-6.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.06008	1	2783	-5.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.06033	1	2784	-4.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.06019	1	2785	-3.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05971	1	2786	-2.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05891	1	2787	-1.00000	27.00000	99.75000
0.00000	0.00000	0.00000	-0.05784	1	2788	0.00000	27.00000	99.75000
0.00000	0.00000	0.00000	0.03198	1	2789	-40.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03240	1	2790	-39.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03264	1	2791	-38.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03266	1	2792	-37.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03246	1	2793	-36.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03200	1	2794	-35.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03126	1	2795	-34.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.03023	1	2796	-33.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.02888	1	2797	-32.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.02722	1	2798	-31.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.02524	1	2799	-30.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.02293	1	2800	-29.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.02030	1	2801	-28.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01737	1	2802	-27.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01415	1	2803	-26.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.01067	1	2804	-25.00000	28.00000	99.75000
0.00000	0.00000	0.00000	0.00694	1	2805	-24.00000	28.00000	99.75000
					2806	-23.00000	28.00000	99.75000



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Displacements:				Result: Coordinates:			
Ref.	x	y	z	Ref.	x	y	z
0.00000	0.00000	0.00000	0.00302	2807	-22.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.00107	2808	-21.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.00530	2809	-20.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.00960	2810	-19.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.01394	2811	-18.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.01826	2812	-17.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.02252	2813	-16.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.02667	2814	-15.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.03066	2815	-14.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.03443	2816	-13.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.03795	2817	-12.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.04118	2818	-11.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.04408	2819	-10.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.04663	2820	-9.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.04882	2821	-8.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05062	2822	-7.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05203	2823	-6.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05307	2824	-5.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05373	2825	-4.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05405	2826	-3.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05403	2827	-2.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05370	2828	-1.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05310	2829	0.00000	28.00000	99.75000
0.00000	0.00000	0.00000	-0.05226	2830	-40.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02854	2831	-39.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02882	2832	-38.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02893	2833	-37.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02885	2834	-36.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02857	2835	-35.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02807	2836	-34.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02732	2837	-33.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02632	2838	-32.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02505	2839	-31.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02351	2840	-30.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.02169	2841	-29.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.01959	2842	-28.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.01723	2843	-27.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.01460	2844	-26.00000	29.00000	99.75000
0.00000	0.00000	0.00000	0.01174				



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Set: Displacements: Ref. x	Displacements: y	Set: Displacements: Name z		Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.00865	1	2845	-25.00000	29.00000	99.75000
0.00000	0.00000	0.00536	1	2846	-24.00000	29.00000	99.75000
0.00000	0.00000	0.00190	1	2847	-23.00000	29.00000	99.75000
0.00000	0.00000	-0.00170	1	2848	-22.00000	29.00000	99.75000
0.00000	0.00000	-0.00540	1	2849	-21.00000	29.00000	99.75000
0.00000	0.00000	-0.00917	1	2850	-20.00000	29.00000	99.75000
0.00000	0.00000	-0.01297	1	2851	-19.00000	29.00000	99.75000
0.00000	0.00000	-0.01675	1	2852	-18.00000	29.00000	99.75000
0.00000	0.00000	-0.02047	1	2853	-17.00000	29.00000	99.75000
0.00000	0.00000	-0.02410	1	2854	-16.00000	29.00000	99.75000
0.00000	0.00000	-0.02758	1	2855	-15.00000	29.00000	99.75000
0.00000	0.00000	-0.03088	1	2856	-14.00000	29.00000	99.75000
0.00000	0.00000	-0.03397	1	2857	-13.00000	29.00000	99.75000
0.00000	0.00000	-0.03681	1	2858	-12.00000	29.00000	99.75000
0.00000	0.00000	-0.03938	1	2859	-11.00000	29.00000	99.75000
0.00000	0.00000	-0.04164	1	2860	-10.00000	29.00000	99.75000
0.00000	0.00000	-0.04360	1	2861	-9.00000	29.00000	99.75000
0.00000	0.00000	-0.04523	1	2862	-8.00000	29.00000	99.75000
0.00000	0.00000	-0.04653	1	2863	-7.00000	29.00000	99.75000
0.00000	0.00000	-0.04750	1	2864	-6.00000	29.00000	99.75000
0.00000	0.00000	-0.04816	1	2865	-5.00000	29.00000	99.75000
0.00000	0.00000	-0.04852	1	2866	-4.00000	29.00000	99.75000
0.00000	0.00000	-0.04858	1	2867	-3.00000	29.00000	99.75000
0.00000	0.00000	-0.04838	1	2868	-2.00000	29.00000	99.75000
0.00000	0.00000	-0.04794	1	2869	-1.00000	29.00000	99.75000
0.00000	0.00000	-0.04728	1	2870	0.00000	29.00000	99.75000
0.00000	0.00000	0.02549	1	2871	-40.00000	30.00000	99.75000
0.00000	0.00000	0.02565	1	2872	-39.00000	30.00000	99.75000
0.00000	0.00000	0.02567	1	2873	-38.00000	30.00000	99.75000
0.00000	0.00000	0.02552	1	2874	-37.00000	30.00000	99.75000
0.00000	0.00000	0.02518	1	2875	-36.00000	30.00000	99.75000
0.00000	0.00000	0.02465	1	2876	-35.00000	30.00000	99.75000
0.00000	0.00000	0.02391	1	2877	-34.00000	30.00000	99.75000
0.00000	0.00000	0.02295	1	2878	-33.00000	30.00000	99.75000
0.00000	0.00000	0.02175	1	2879	-32.00000	30.00000	99.75000
0.00000	0.00000	0.02033	1	2880	-31.00000	30.00000	99.75000
0.00000	0.00000	0.01866	1	2881	-30.00000	30.00000	99.75000
0.00000	0.00000	0.01676	1	2882	-29.00000	30.00000	99.75000
				2883	-28.00000	30.00000	99.75000



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Set: Displacements: Ref.	Displacements: x	Displacements: y	Displacements: z	Set: Name	Result: Ref.	Coordinates: x	Coordinates: y	Coordinates: z
0.00000	0.00000	0.00000	0.01463	1	2884	-27.00000	30.00000	99.75000
0.00000	0.00000	0.00000	0.01228	1	2885	-26.00000	30.00000	99.75000
0.00000	0.00000	0.00000	0.00972	1	2886	-25.00000	30.00000	99.75000
0.00000	0.00000	0.00000	0.00698	1	2887	-24.00000	30.00000	99.75000
0.00000	0.00000	0.00000	0.00407	1	2888	-23.00000	30.00000	99.75000
0.00000	0.00000	0.00000	0.00101	1	2889	-22.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.00216	1	2890	-21.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.00542	1	2891	-20.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.00873	1	2892	-19.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.01206	1	2893	-18.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.01537	1	2894	-17.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.01864	1	2895	-16.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.02181	1	2896	-15.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.02487	1	2897	-14.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.02777	1	2898	-13.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.03049	1	2899	-12.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.03299	1	2900	-11.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.03526	1	2901	-10.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.03728	1	2902	-9.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.03903	1	2903	-8.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04050	1	2904	-7.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04170	1	2905	-6.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04261	1	2906	-5.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04326	1	2907	-4.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04363	1	2908	-3.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04376	1	2909	-2.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04366	1	2910	-1.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04334	1	2911	0.00000	30.00000	99.75000
0.00000	0.00000	0.00000	-0.04282	1				

1 - Data point coincident with displacement location. Its displacement has been added to those calculated by Xdisp.

Polygonal Excavations

Ref. 1
Excavation Name: Basement Deepening - 97.5 m OD to 96.0 m OD
Surface level [m]: 97.500
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side: d	Prev. Side: p1	Prev. Side: p2*	Next Side: d	Next Side: p1	Next Side: p2*
	[m]	[m]	[m]			[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-



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Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		
1	-32.000	-4.1000	-32.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
2	-32.000	6.2000	-18.200	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
7	-11.100	-4.1000	-11.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
8	-11.100	-3.0000	-22.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
9	-22.100	-3.0000	-22.100	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
10	-22.100	-4.1000	-32.000	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))

Ref. 2
Excavation Name: Retaining Wall Installation - 97.5 m OD to 96.00 m OD
Surface level [m]: 97.500
Contribution: Positive
Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		
1	-32.000	-4.1000	-32.000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
2	-32.000	6.2000	-18.200	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
					6.9(b))	6.9(a))
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
7	-11.100	-4.1000	-11.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
8	-11.100	-3.0000	-22.100	-3.0000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
9	-22.100	-3.0000	-22.100	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
10	-22.100	-4.1000	-32.000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))

Ref. 3
Excavation Name: Basement Excavation - 99.75 m OD to 96.00 m OD
 Surface level [m]: 99.750
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side: d	Prev. Side: p1	Prev. Side: p2*	Next Side: d	Next Side: p1	Next Side: p2*
	[m]	[m]	[m]			[m]	[%]	[%]	[m]	[%]	[%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-11.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
5	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
6	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-11.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
3	-11.000	6.2000	-5.0000	6.2000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
4	-5.0000	6.2000	-5.4000	-1.4000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
5	-5.4000	-1.4000	-7.5000	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
6	-7.5000	-4.1000	-8.0000	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
7	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
8	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Ref. 4
Excavation Name: Retaining Wall Installation - 99.75 m OD to 96.00 m OD
 Surface level [m]: 99.750
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side: d	Prev. Side: p1	Prev. Side: p2*	Next Side: d	Next Side: p1	Next Side: p2*
	[m]	[m]	[m]			[m]	[%]	[%]	[m]	[%]	[%]

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	[m]	[m]	[m]			d [m]	p1 [%]	p2* [%]	d [m]	p1 [%]	p2* [%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
5	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
6	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-5.0000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-5.0000	6.2000	-5.4000	-1.4000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
4	-5.4000	-1.4000	-7.5000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
5	-7.5000	-4.1000	-8.0000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
6	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
7	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Circular Excavations

Vertical Ground Movement Curves

Curve Name: No vertical ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040]
 [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028]
 [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018]
 [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010]
 [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005]
 [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002]
 [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001]
 [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = -1.2355E-2x⁴ + 3.4814E-2x³ - 2.8885E-3x² - 6.5618E-2x + 4.9987E-2
Coeff. of Determination: 1.0000

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040]
 [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028]



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
					[0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018] [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010] [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005] [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002] [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001] [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]	

Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: $z = -1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Horizontal Ground Movement Curves

Curve Name: No horizontal ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.050] [1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = $-3.33E-2x + 5.00E-2$
Coeff. of Determination: 1.00

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.050] [1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = $-3.33E-2x + 5.00E-2$
Coeff. of Determination: 1.00

Curve Name: Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.400] [4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = $-10.E-2x + 4.0E-1$
Coeff. of Determination: 1.0

Curve Name: Exc. in front of high stiffness underpinned wall in stiff clay
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
[0.000,0.000,0.150] [4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = $-3.75E-2x + 1.50E-1$
Coeff. of Determination: 1.00

Damage Category Strains

Ref.	Name	0 (Negligible)	1 (Very Slight)	2 (Slight)	3 (Moderate)
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	to 1 (Very Slight)	to 2 (Slight)	to 3 (Moderate)	to 4 (Severe)
1 Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Buildings - Geometry

Ref. Vertical	Building Name Vertical	Sub-Building Name Damage Category	Poisson's Ratio	E/G	Displacement Line	Distance Along Line: Start	Distance Along Line: End
Offsets from	Displacement	Strains	Ratio				
Line for	Limit						
Vertical							
Movement	Sensitivity						

Calculations

[m]	[mm]				[m]	[m]
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 1	0.20000 2.6000	No 11 LG - Line 1	0.00000 3.19900
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 2	0.20000 2.6000	No 11 LG - Line 2	0.00000 2.51900
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 3	0.20000 2.6000	No 11 LG - Line 3	0.00000 7.79500
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 4	0.20000 2.6000	No 11 LG - Line 4	0.00000 0.44100
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 5	0.20000 2.6000	No 11 LG - Line 5	0.00000 3.14300
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 6	0.20000 2.6000	No 11 LG - Line 6	0.00000 19.16200
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 7	0.20000 2.6000	No 11 LG - Line 7	0.00000 14.19600
0.0	0.10000	No 11 Lyndhurst Terrace Burland Strain Limits	No 11 LG - Line 8	0.20000 2.6000	No 11 LG - Line 8	0.00000 21.24500
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 1	0.20000 2.6000	No 7 LG - Line 1	0.00000 8.18800
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 2	0.20000 2.6000	No 7 LG - Line 2	0.00000 5.42200
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 3	0.20000 2.6000	No 7 LG - Line 3	0.00000 2.80400
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 4	0.20000 2.6000	No 7 LG - Line 4	0.00000 5.72600
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 5	0.20000 2.6000	No 7 LG - Line 5	0.00000 2.95200
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 6	0.20000 2.6000	No 7 LG - Line 6	0.00000 14.26600
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 7	0.20000 2.6000	No 7 LG - Line 7	0.00000 10.54400
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 8	0.20000 2.6000	No 7 LG - Line 8	0.00000 2.03800
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 9	0.20000 2.6000	No 7 LG - Line 9	0.00000 1.45900
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 10	0.20000 2.6000	No 7 LG - Line 10	0.00000 2.69300
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 11	0.20000 2.6000	No 7 LG - Line 11	0.00000 1.45900
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 12	0.20000 2.6000	No 7 LG - Line 12	0.00000 6.95300
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 13	0.20000 2.6000	No 7 LG - Line 13	0.00000 1.85800
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 14	0.20000 2.6000	No 7 LG - Line 14	0.00000 2.52200
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 15	0.20000 2.6000	No 7 LG - Line 15	0.00000 8.66200
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 16	0.20000 2.6000	No 7 LG - Line 16	0.00000 1.17900
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 17	0.20000 2.6000	No 7 LG - Line 17	0.00000 0.93000
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 18	0.20000 2.6000	No 7 LG - Line 18	0.00000 6.92100
0.0	0.10000	No 7 Lyndhurst Terrace Burland Strain Limits	No 7 LG - Line 19	0.20000 2.6000	No 7 LG - Line 19	0.00000 1.18400



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Ref. Vertical	Building Name Vertical	Sub-Building Name Damage Category	Poisson's Ratio	E/G	Displacement Line	Distance Along	Distance Along
Offsets from	Displacement	Strains	Ratio				
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
28 No 7	Lyndhurst Terrace	No 7 LG - Line 20			No 7 LG - Line 20	0.00000	1.84300
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
29 No 7	Lyndhurst Terrace	No 7 LG - Line 21			No 7 LG - Line 21	0.00000	1.34300
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
30 No 7	Lyndhurst Terrace	No 7 LG - Line 22			No 7 LG - Line 22	0.00000	6.70000
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
31 No 7	Lyndhurst Terrace	No 7 LG - Line 23			No 7 LG - Line 23	0.00000	23.74000
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
32 No 7	Lyndhurst Terrace	No 7 LG - Line 24			No 7 LG - Line 24	0.00000	4.82600
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
33 No 7	Lyndhurst Terrace	No 7 LG - Line 25			No 7 LG - Line 25	0.00000	4.91100
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line			Lyndhurst Terrace Curb Line	0.00000	70.00000
0.0	0.10000 Burland Strain Limits	0.20000	2.6000				

Specific Buildings - Bending Parameters

Ref. Sagging:	Building Name Sagging:	Sub-Building Name Sagging:	Height [m]	Default Hogging:	Hogging: 2nd Mom. of Area (per unit width)	Hogging: Dist. of Bending from N.A. [m]	Hogging: Dist. of N.A. from Edge of Beam in Tension [m]
1 No 11	Lyndhurst Terrace	No 11 LG - Line 1	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
2 No 11	Lyndhurst Terrace	No 11 LG - Line 2	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
3 No 11	Lyndhurst Terrace	No 11 LG - Line 3	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
4 No 11	Lyndhurst Terrace	No 11 LG - Line 4	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
5 No 11	Lyndhurst Terrace	No 11 LG - Line 5	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
6 No 11	Lyndhurst Terrace	No 11 LG - Line 6	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
7 No 11	Lyndhurst Terrace	No 11 LG - Line 7	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
8 No 11	Lyndhurst Terrace	No 11 LG - Line 8	15.330	Yes	1200.9	15.330	15.330
300.22	7.6650	7.6650					
9 No 7	Lyndhurst Terrace	No 7 LG - Line 1	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
10 No 7	Lyndhurst Terrace	No 7 LG - Line 2	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
11 No 7	Lyndhurst Terrace	No 7 LG - Line 3	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
12 No 7	Lyndhurst Terrace	No 7 LG - Line 4	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
13 No 7	Lyndhurst Terrace	No 7 LG - Line 5	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
14 No 7	Lyndhurst Terrace	No 7 LG - Line 6	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
15 No 7	Lyndhurst Terrace	No 7 LG - Line 7	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
16 No 7	Lyndhurst Terrace	No 7 LG - Line 8	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
17 No 7	Lyndhurst Terrace	No 7 LG - Line 9	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
18 No 7	Lyndhurst Terrace	No 7 LG - Line 10	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
19 No 7	Lyndhurst Terrace	No 7 LG - Line 11	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
20 No 7	Lyndhurst Terrace	No 7 LG - Line 12	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
21 No 7	Lyndhurst Terrace	No 7 LG - Line 13	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					



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Ref.	Building Name	Sub-Building Name	Height	Default	Hogging:	Hogging:	Hogging:
Sagging:	Sagging:	Sagging:			2nd Mom.	Dist. of	Dist. of
2nd Mom.	Dist. of	Dist. of					
22 No 7	Lyndhurst Terrace	No 7 LG - Line 14	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
23 No 7	Lyndhurst Terrace	No 7 LG - Line 15	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
24 No 7	Lyndhurst Terrace	No 7 LG - Line 16	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
25 No 7	Lyndhurst Terrace	No 7 LG - Line 17	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
26 No 7	Lyndhurst Terrace	No 7 LG - Line 18	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
27 No 7	Lyndhurst Terrace	No 7 LG - Line 19	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
28 No 7	Lyndhurst Terrace	No 7 LG - Line 20	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
29 No 7	Lyndhurst Terrace	No 7 LG - Line 21	17.230	Yes	1705.0	17.230	17.230
426.26	8.6150	8.6150					
30 No 7	Lyndhurst Terrace	No 7 LG - Line 22	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500	2.2500					
31 No 7	Lyndhurst Terrace	No 7 LG - Line 23	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500	2.2500					
32 No 7	Lyndhurst Terrace	No 7 LG - Line 24	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500	2.2500					
33 No 7	Lyndhurst Terrace	No 7 LG - Line 25	4.5000	Yes	30.375	4.5000	4.5000
7.5938	2.2500	2.2500					
34 Lyndhurst Terrace Curb Line		Lyndhurst Terrace Curb Line	0.50000	Yes	0.041667	0.50000	0.50000
0.010417	0.25000	0.25000					

Warnings

- Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- The following polygonal excavations have one or more re-entrant corners: 1, 2, 3, 4. The use of re-entrant corners is permitted but not recommended. CIRIA C580/C760, on which XDisp's method for modelling ground movements behind walls of excavations is based, considers only movements for points lying at right angles behind single walls. It does not consider how movements should be calculated within the zone of influence of re-entrant corners, i.e. where movements would be influenced by two walls adjacent to the re-entrant corner. By default, XDisp will merely sum the effects from both walls, making no allowance for interaction or stiffening of the corner. Please refer to help manual for artificial smoothing options. Re-entrant corners should be used with caution. Results in their vicinity should be validated independently.
- If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Vertical. This is an example only. There are 272 others.
- If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Horizontal. This is an example only. There are 246 others.

Errors

None

Displacement Results - Displacement Lines

Stage:	Stage:	Disp.	Disp. Line: Name	Chainage	x	y	z	δx	δy
δz	δH//	δHperp.	Angle						
Ref.	Name	Line:	Ref.						
[mm]	[mm]	[mm]	[°]	[m]	[m]	[m]	[m]	[mm]	[mm]
0	Base Model 1	No 11 LG - Line 1		0.0	-31.74200	10.69900	98.25000	0.0	-1.6177
0.0	-1.6158	-0.077353	87.259						
				0.53328	-31.71650	11.23167	98.25000	0.0	-1.0681



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0.0	-1.0669	-0.051074	87.259		1.0666	-31.69100	11.76433	98.25000	0.0	-0.50728
0.0	-0.50670	-0.024257	87.259		1.5998	-31.66550	12.29700	98.25000	0.0	-0.031408
0.0	-0.031373	-0.0015019	87.259		2.1331	-31.64000	12.82967	98.25000	0.0	0.0
0.0	0.0	0.0	87.259		2.6664	-31.61450	13.36233	98.25000	0.0	0.0
0.0	0.0	0.0	87.259		3.1997	-31.58900	13.89500	98.25000	0.0	0.0
0.0	0.0	2	87.259	No 11 LG - Line 2	0.0	-31.58900	13.89500	98.25000	0.0	0.0
0.0	0.0	0.0	357.27		0.50397	-31.08560	13.87100	98.25000	0.0	0.0
0.0	0.0	0.0	357.27		1.0079	-30.58220	13.84700	98.25000	0.0	-0.12027
0.0	0.0057273	-0.12013	357.27		1.5119	-30.07880	13.82300	98.25000	0.0	-0.27644
0.0	0.013164	-0.27612	357.27		2.0159	-29.57540	13.79900	98.25000	0.0	-0.44168
0.0	0.021034	-0.44118	357.27		2.5199	-29.07200	13.77500	98.25000	0.0	-0.61672
0.0	0.029369	-0.61602	357.27		0.0	-29.07200	13.77500	98.25000	0.0	-0.61672
0.0	-0.61601	-0.029507	87.258	No 11 LG - Line 3	0.48725	-29.04869	14.26169	98.25000	0.0	-0.54684
0.0	-0.54622	-0.026164	87.258		0.97449	-29.02538	14.74838	98.25000	0.0	-0.46068
0.0	-0.46015	-0.022042	87.258		1.4617	-29.00206	15.23506	98.25000	0.0	-0.35850
0.0	-0.35809	-0.017153	87.258		1.9490	-28.97875	15.72175	98.25000	0.0	-0.24064
0.0	-0.24036	-0.011513	87.258		2.4362	-28.95544	16.20844	98.25000	0.0	-0.10749
0.0	-0.10737	-0.0051429	87.258		2.9235	-28.93212	16.69513	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		3.4107	-28.90881	17.18181	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		3.8980	-28.88550	17.66850	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		4.3852	-28.86219	18.15519	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		4.8725	-28.83888	18.64187	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		5.3597	-28.81556	19.12856	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		5.8469	-28.79225	19.61525	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		6.3342	-28.76894	20.10194	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		6.8214	-28.74563	20.58863	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		7.3087	-28.72231	21.07531	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		7.7959	-28.69900	21.56200	98.25000	0.0	0.0
0.0	0.0	0.0	87.258		0.0	-28.69900	21.56200	98.25000	0.0	0.0
0.0	0.0	4	169.83	No 11 LG - Line 4	0.22097	-28.91650	21.60100	98.25000	0.0	0.0
0.0	0.0	0.0	169.83		0.44194	-29.13400	21.64000	98.25000	0.0	0.0
0.0	0.0	0.0	169.83		0.0	-29.13400	21.64000	98.25000	0.0	0.0
0.0	0.0	5	87.265	No 11 LG - Line 5	0.52393	-29.10900	22.16333	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		1.0479	-29.08400	22.68667	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		1.5718	-29.05900	23.21000	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		2.0957	-29.03400	23.73333	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		2.6197	-29.00900	24.25667	98.25000	0.0	0.0
0.0	0.0	0.0	87.265		3.1436	-28.98400	24.78000	98.25000	0.0	0.0
0.0	0.0	0.0	87.265							



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Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	6 0.0	No 11 LG - Line 6 357.26		0.0	-28.98400	24.78000	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		0.50429	-28.48029	24.75592	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.0086	-27.97658	24.73184	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		1.5129	-27.47287	24.70776	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.0171	-26.96916	24.68368	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		2.5214	-26.46545	24.65961	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.0257	-25.96174	24.63553	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		3.5300	-25.45803	24.61145	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.0343	-24.95432	24.58737	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		4.5386	-24.45061	24.56329	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.0429	-23.94689	24.53921	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		5.5471	-23.44318	24.51513	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.0514	-22.93947	24.49105	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		6.5557	-22.43576	24.46697	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.0600	-21.93205	24.44289	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		7.5643	-21.42834	24.41882	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.0686	-20.92463	24.39474	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		8.5729	-20.42092	24.37066	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.0771	-19.91721	24.34658	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		9.5814	-19.41350	24.32250	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.086	-18.90979	24.29842	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		10.590	-18.40608	24.27434	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.094	-17.90237	24.25026	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		11.599	-17.39866	24.22618	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.103	-16.89495	24.20211	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		12.607	-16.39124	24.17803	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.111	-15.88753	24.15395	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		13.616	-15.38382	24.12987	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		14.120	-14.88011	24.10579	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		14.624	-14.37639	24.08171	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		15.129	-13.87268	24.05763	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		15.633	-13.36897	24.03355	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		16.137	-12.86526	24.00947	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		16.641	-12.36155	23.98539	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		17.146	-11.85784	23.96132	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		17.650	-11.35413	23.93724	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		18.154	-10.85042	23.91316	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		18.659	-10.34671	23.88908	98.25000	0.0	0.0
0.0	0.0	0.0	357.26		19.163	-9.84300	23.86500	98.25000	0.0	0.0



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	357.26							
		7	No 11 LG - Line 7	0.0	-9.84300	23.86500	98.25000	0.0	0.0	
0.0	0.0	0.0	267.26		0.50701	-9.86721	23.35857	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		1.0140	-9.89143	22.85214	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		1.5210	-9.91564	22.34571	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		2.0280	-9.93986	21.83929	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		2.5350	-9.96407	21.33286	98.25000	0.0	0.0
0.0	0.0	0.0	267.26		3.0420	-9.98829	20.82643	98.25000	0.0	-0.14009
0.0	0.13993	0.0066906	267.26		3.5490	-10.01250	20.32000	98.25000	0.0	-0.33000
0.0	0.32962	0.015761	267.26		4.0561	-10.03671	19.81357	98.25000	0.0	-0.51991
0.0	0.51932	0.024831	267.26		4.5631	-10.06093	19.30714	98.25000	0.0	-0.70982
0.0	0.70901	0.033901	267.26		5.0701	-10.08514	18.80071	98.25000	0.0	-0.89973
0.0	0.89871	0.042971	267.26		5.5771	-10.10936	18.29429	98.25000	0.0	-1.0896
0.0	1.0884	0.052041	267.26		6.0841	-10.13357	17.78786	98.25000	0.0	-1.2796
0.0	1.2781	0.061111	267.26		6.5911	-10.15779	17.28143	98.25000	0.0	-1.4695
0.0	1.4678	0.070181	267.26		7.0981	-10.18200	16.77500	98.25000	0.0	-1.6594
0.0	1.6575	0.079251	267.26		7.6051	-10.20621	16.26857	98.25000	0.0	-1.8493
0.0	1.8472	0.088321	267.26		8.1121	-10.23043	15.76214	98.25000	0.0	-2.0392
0.0	2.0369	0.097391	267.26		8.6191	-10.25464	15.25571	98.25000	0.0	-2.2291
0.0	2.2266	0.10646	267.26		9.1261	-10.27886	14.74929	98.25000	0.0	-2.4190
0.0	2.4163	0.11553	267.26		9.6331	-10.30307	14.24286	98.25000	0.0	-2.6089
0.0	2.6060	0.12460	267.26		10.140	-10.32729	13.73643	98.25000	0.0	-2.7988
0.0	2.7956	0.13367	267.26		10.647	-10.35150	13.23000	98.25000	0.0	-2.9888
0.0	2.9853	0.14274	267.26		11.154	-10.37571	12.72357	98.25000	0.0	-3.1787
0.0	3.1750	0.15181	267.26		11.661	-10.39993	12.21714	98.25000	0.0	-3.3686
0.0	3.3647	0.16088	267.26		12.168	-10.42414	11.71071	98.25000	0.0	-3.5966
0.0069409	3.5925	0.17177	267.26		12.675	-10.44836	11.20429	98.25000	0.0	-3.9553
0.031112	3.9508	0.18890	267.26		13.182	-10.47257	10.69786	98.25000	0.0	-4.3140
0.061097	4.3091	0.20603	267.26		13.689	-10.49679	10.19143	98.25000	0.0	-4.6727
0.11230	4.6674	0.22317	267.26		14.196	-10.52100	9.68500	98.25000	0.0	-5.0315
0.19643	5.0257	0.24030	267.26		0.0	-10.52100	9.68500	98.25000	0.0	-5.0315
		8	No 11 LG - Line 8							
0.19643	-0.24014	5.0257	177.26		0.50584	-11.02626	9.70914	98.25000	0.0	-12.196
0.19154	-0.58210	12.182	177.26		1.0117	-11.53152	9.73329	98.25000	0.0	-12.164
0.18674	-0.58057	12.150	177.26		1.5175	-12.03679	9.75743	98.25000	0.0	-12.132
0.18203	-0.57903	12.118	177.26		2.0234	-12.54205	9.78157	98.25000	0.0	-12.100
0.17742	-0.57749	12.086	177.26		2.5292	-13.04731	9.80571	98.25000	0.0	-12.067
0.17290	-0.57596	12.054	177.26		3.0350	-13.55257	9.82986	98.25000	0.0	-12.079
0.16846	-0.57650	12.065	177.26		3.5409	-14.05783	9.85400	98.25000	0.0	-12.222
0.16412	-0.58335	12.208	177.26		4.0467	-14.56310	9.87814	98.25000	0.0	-12.387
0.15987	-0.59123	12.373	177.26							



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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.15570	-0.60019	12.561	177.26		4.5525	-15.06836	9.90229	98.25000	0.0	-12.575
0.15162	-0.61017	12.770	177.26		5.0584	-15.57362	9.92643	98.25000	0.0	-12.784
0.14763	-0.62101	12.996	177.26		5.5642	-16.07888	9.95057	98.25000	0.0	-13.011
0.14372	-0.63232	13.233	177.26		6.0701	-16.58414	9.97471	98.25000	0.0	-13.248
0.13989	-0.64348	13.467	177.26		6.5759	-17.08940	9.99886	98.25000	0.0	-13.482
0.13615	-0.65360	13.679	177.26		7.0817	-17.59467	10.02300	98.25000	0.0	-13.694
0.13243	-0.66131	13.840	177.26		7.5876	-18.09993	10.04714	98.25000	0.0	-13.856
0.11358	-0.61120	12.791	177.26		8.0934	-18.60519	10.07129	98.25000	0.0	-12.806
0.090085	-0.55867	11.692	177.26		8.5993	-19.11045	10.09543	98.25000	0.0	-11.705
0.066390	-0.50772	10.626	177.26		9.1051	-19.61571	10.11957	98.25000	0.0	-10.638
0.045763	-0.45987	9.6242	177.26		9.6109	-20.12098	10.14371	98.25000	0.0	-9.6352
0.029652	-0.41598	8.7055	177.26		10.117	-20.62624	10.16786	98.25000	0.0	-8.7155
0.017665	-0.37631	7.8754	177.26		10.623	-21.13150	10.19200	98.25000	0.0	-7.8844
0.0078921	-0.34078	7.1318	177.26		11.128	-21.63676	10.21614	98.25000	0.0	-7.1400
0.0	-0.30981	6.4837	177.26		11.634	-22.14202	10.24029	98.25000	0.0	-6.4911
0.0	-0.28429	5.9496	177.26		12.140	-22.64729	10.26443	98.25000	0.0	-5.9564
0.0	-0.26155	5.4737	177.26		12.646	-23.15255	10.28857	98.25000	0.0	-5.4799
0.0	-0.24123	5.0484	177.26		13.152	-23.65781	10.31271	98.25000	0.0	-5.0541
0.0	-0.22300	4.6669	177.26		13.658	-24.16307	10.33686	98.25000	0.0	-4.6722
0.0	-0.20658	4.3232	177.26		14.163	-24.66833	10.36100	98.25000	0.0	-4.3282
0.0	-0.19172	4.0123	177.26		14.669	-25.17360	10.38514	98.25000	0.0	-4.0169
0.0	-0.17822	3.7298	177.26		15.175	-25.67886	10.40929	98.25000	0.0	-3.7341
0.0	-0.16590	3.4720	177.26		15.681	-26.18412	10.43343	98.25000	0.0	-3.4759
0.0	-0.15461	3.2356	177.26		16.187	-26.68938	10.45757	98.25000	0.0	-3.2393
0.0	-0.14421	3.0180	177.26		16.693	-27.19464	10.48171	98.25000	0.0	-3.0214
0.0	-0.13460	2.8169	177.26		17.199	-27.69990	10.50586	98.25000	0.0	-2.8201
0.0	-0.12568	2.6303	177.26		17.704	-28.20517	10.53000	98.25000	0.0	-2.6333
0.0	-0.11738	2.4566	177.26		18.210	-28.71043	10.55414	98.25000	0.0	-2.4594
0.0	-0.10963	2.2943	177.26		18.716	-29.21569	10.57829	98.25000	0.0	-2.2969
0.0	-0.10236	2.1422	177.26		19.222	-29.72095	10.60243	98.25000	0.0	-2.1446
0.0	-0.095524	1.9991	177.26		19.728	-30.22621	10.62657	98.25000	0.0	-2.0014
0.0	-0.089079	1.8643	177.26		20.234	-30.73148	10.65071	98.25000	0.0	-1.8664
0.0	-0.082985	1.7367	177.26		20.739	-31.23674	10.67486	98.25000	0.0	-1.7387
0.0	-0.077209	1.6158	177.26		21.245	-31.74200	10.69900	98.25000	0.0	-1.6177
0.23075	-4.4515	5.7247	0.21692	No 7 LG - Line 1	0.0	-20.99000	-4.35700	96.40000	-4.4732	5.7078
0.092889	-3.5734	5.2668	0.21692		1.0235	-19.96650	-4.35313	96.40000	-3.5933	5.2532
0.088129	-2.6717	5.1253	0.21692		2.0470	-18.94300	-4.34925	96.40000	-2.6911	5.1151
0.088995	-1.7255	5.0604	0.21692		3.0705	-17.91950	-4.34537	96.40000	-1.7447	5.0538
					4.0940	-16.89600	-4.34150	96.40000	-0.57337	5.0262



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.089868	-0.55434	5.0283	0.21692		5.1175	-15.87250	-4.33763	96.40000	1.1829	5.0323
0.090747	1.2019	5.0278	0.21692		6.1410	-14.84900	-4.33375	96.40000	2.1548	5.0714
0.091632	2.1740	5.0632	0.21692		7.1646	-13.82550	-4.32987	96.40000	3.0899	5.1288
0.092523	3.1093	5.1170	0.21692		8.1881	-12.80200	-4.32600	96.40000	4.0859	5.2545
0.12608	4.1057	5.2390	0.21692		0.0	-12.70200	-4.32600	96.40000	4.1831	5.2748
0.13707	-5.2701	4.1889	270.06	No 7 LG - Line 2	1.0844	-12.70080	-5.41040	96.40000	2.2485	4.9596
0.015785	-4.9571	2.2540	270.06		2.1688	-12.69960	-6.49480	96.40000	1.1697	4.3658
0.0055855	-4.3645	1.1746	270.06		3.2532	-12.69840	-7.57920	96.40000	0.59527	3.4047
0.0	-3.4040	0.59903	270.06		4.3376	-12.69720	-8.66360	96.40000	0.24968	2.2351
0.0	-2.2348	0.25216	270.06		5.4220	-12.69600	-9.74800	96.40000	0.022938	1.6434
0.0	-1.6434	0.024757	270.06		0.0	-12.69600	-9.84800	96.40000	0.0059553	1.6131
0.0	0.0059553	1.6131	0.0	No 7 LG - Line 3	0.93500	-11.76100	-9.84800	96.40000	0.015607	1.9988
0.0	0.015607	1.9988	0.0		1.8700	-10.82600	-9.84800	96.40000	0.0	2.3800
0.0	0.0	2.3800	0.0		2.8050	-9.89100	-9.84800	96.40000	0.0	2.7713
0.0	0.0	2.7713	0.0		0.0	-9.89100	-9.94800	96.40000	0.0	2.7161
0.0	-2.7157	0.048850	271.03	No 7 LG - Line 4	0.95449	-9.87383	-10.90233	96.40000	0.0	2.4693
0.0	-2.4689	0.044411	271.03		1.9090	-9.85667	-11.85667	96.40000	0.0	2.2401
0.0	-2.2397	0.040289	271.03		2.8635	-9.83950	-12.81100	96.40000	0.0	1.9834
0.0	-1.9831	0.035672	271.03		3.8180	-9.82233	-13.76533	96.40000	0.0	1.7069
0.0	-1.7066	0.030699	271.03		4.7724	-9.80517	-14.71967	96.40000	0.0	1.4156
0.0	-1.4153	0.025459	271.03		5.7269	-9.78800	-15.67400	96.40000	0.0	1.1129
0.0	-1.1127	0.020016	271.03		0.0	-9.78800	-15.77400	96.40000	0.0	1.0805
0.0	0.0	-1.0805	180.00	No 7 LG - Line 5	0.98400	-10.77200	-15.77400	96.40000	0.0	0.95848
0.0	0.0	-0.95848	180.00		1.9680	-11.75600	-15.77400	96.40000	0.0	0.82287
0.0	0.0	-0.82287	180.00		2.9520	-12.74000	-15.77400	96.40000	0.0	0.67913
0.0	0.0	-0.67913	180.00		0.0	-12.74000	-15.87400	96.40000	0.0	0.65453
0.0	-0.65338	-0.038815	266.60	No 7 LG - Line 6	0.95107	-12.79640	-16.82340	96.40000	0.0	0.40525
0.0	-0.40454	-0.024032	266.60		1.9021	-12.85280	-17.77280	96.40000	0.0	0.14431
0.0	-0.14405	-0.0085577	266.60		2.8532	-12.90920	-18.72220	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		3.8043	-12.96560	-19.67160	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		4.7554	-13.02200	-20.62100	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		5.7064	-13.07840	-21.57040	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		6.6575	-13.13480	-22.51980	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		7.6086	-13.19120	-23.46920	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		8.5597	-13.24760	-24.41860	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		9.5107	-13.30400	-25.36800	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		10.462	-13.36040	-26.31740	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		11.413	-13.41680	-27.26680	96.40000	0.0	0.0



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	266.60		12.364	-13.47320	-28.21620	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		13.315	-13.52960	-29.16560	96.40000	0.0	0.0
0.0	0.0	0.0	266.60		14.266	-13.58600	-30.11500	96.40000	0.0	0.0
0.0	0.0	15	181.51	No 7 LG - Line 7	0.0	-13.58600	-30.21500	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		1.0545	-14.64010	-30.24270	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		2.1089	-15.69420	-30.27040	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		3.1634	-16.74830	-30.29810	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		4.2179	-17.80240	-30.32580	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		5.2723	-18.85650	-30.35350	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		6.3268	-19.91060	-30.38120	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		7.3812	-20.96470	-30.40890	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		8.4357	-22.01880	-30.43660	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		9.4902	-23.07290	-30.46430	96.40000	0.0	0.0
0.0	0.0	0.0	181.51		10.545	-24.12700	-30.49200	96.40000	0.0	0.0
0.0	0.0	16	90.394	No 7 LG - Line 8	0.0	-24.22700	-30.49200	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		1.0190	-24.23400	-29.47300	96.40000	0.0	0.0
0.0	0.0	0.0	90.394		2.0380	-24.24100	-28.45400	96.40000	0.0	0.0
0.0	0.0	17	180.47	No 7 LG - Line 9	0.0	-24.34100	-28.45400	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		0.72952	-25.07050	-28.46000	96.40000	0.0	0.0
0.0	0.0	0.0	180.47		1.4590	-25.80000	-28.46600	96.40000	0.0	0.0
0.0	0.0	18	90.404	No 7 LG - Line 10	0.0	-25.90000	-28.46600	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		1.3465	-25.90950	-27.11950	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		2.6931	-25.91900	-25.77300	96.40000	0.0	0.0
0.0	0.0	19	0.47124	No 7 LG - Line 11	0.0	-25.81900	-25.77300	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		0.72952	-25.08950	-25.76700	96.40000	0.0	0.0
0.0	0.0	0.0	0.47124		1.4590	-24.36000	-25.76100	96.40000	0.0	0.0
0.0	0.0	20	90.404	No 7 LG - Line 12	0.0	-24.26000	-25.76100	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		0.99331	-24.26700	-24.76771	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		1.9866	-24.27400	-23.77443	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		2.9799	-24.28100	-22.78114	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		3.9732	-24.28800	-21.78786	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		4.9666	-24.29500	-20.79457	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		5.9599	-24.30200	-19.80129	96.40000	0.0	0.0
0.0	0.0	0.0	90.404		6.9532	-24.30900	-18.80800	96.40000	0.0	0.0
0.0	0.0	21	180.00	No 7 LG - Line 13	0.0	-24.30900	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00		0.92900	-25.23800	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	180.00		1.8580	-26.16700	-18.70800	96.40000	0.0	0.0
0.0	0.0	22	126.44	No 7 LG - Line 14	0.0	-26.26700	-18.70800	96.40000	0.0	0.0
0.0	0.0	0.0	126.44		0.84069	-26.76633	-18.03167	96.40000	0.0	0.0



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	126.44							
					1.6814	-27.26567	-17.35533	96.40000	0.0	0.0
0.0	0.0	0.0	126.44							
					2.5221	-27.76500	-16.67900	96.40000	0.0	0.0
0.0	0.0	0.0	126.44							
		23		No 7 LG - Line 15	0.0	-27.76500	-16.57900	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					1.0829	-27.72513	-15.49688	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					2.1657	-27.68525	-14.41475	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					3.2486	-27.64538	-13.33263	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					4.3314	-27.60550	-12.25050	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					5.4143	-27.56563	-11.16838	96.40000	0.0	0.0
0.0	0.0	0.0	87.890							
					6.4972	-27.52575	-10.08625	96.40000	0.0	0.013750
0.0	0.013741	506.33E-6	87.890							
					7.5800	-27.48588	-9.00413	96.40000	0.0	1.0959
0.0	1.0951	0.040354	87.890							
					8.6629	-27.44600	-7.92200	96.40000	0.0	2.1780
0.0	2.1765	0.080202	87.890							
		24		No 7 LG - Line 16	0.0	-27.44600	-7.82200	96.40000	0.0	2.2780
0.0	0.0019321	2.2780	0.048597							
					0.58950	-26.85650	-7.82150	96.40000	0.0	2.2785
0.0	0.0019326	2.2785	0.048597							
					1.1790	-26.26700	-7.82100	96.40000	0.0	2.2790
0.0	0.0019330	2.2790	0.048597							
		25		No 7 LG - Line 17	0.0	-26.16700	-7.82100	96.40000	0.0	2.2790
0.0	2.2790	-0.0024505	90.062							
					0.093000	-26.16710	-7.72800	96.40000	0.0	2.3720
0.0	2.3720	-0.0025505	90.062							
					0.18600	-26.16720	-7.63500	96.40000	0.0	2.4650
0.0	2.4650	-0.0026505	90.062							
					0.27900	-26.16730	-7.54200	96.40000	0.0	2.5580
0.0	2.5580	-0.0027505	90.062							
					0.37200	-26.16740	-7.44900	96.40000	0.0	2.6510
0.0	2.6510	-0.0028505	90.062							
					0.46500	-26.16750	-7.35600	96.40000	0.0	2.7440
0.0	2.7440	-0.0029505	90.062							
					0.55800	-26.16760	-7.26300	96.40000	0.0	2.8370
0.0	2.8370	-0.0030505	90.062							
					0.65100	-26.16770	-7.17000	96.40000	0.0	2.9300
0.0	2.9300	-0.0031505	90.062							
					0.74400	-26.16780	-7.07700	96.40000	0.0	3.0230
0.0	3.0230	-0.0032505	90.062							
					0.83700	-26.16790	-6.98400	96.40000	0.0	3.1160
0.0	3.1160	-0.0033505	90.062							
					0.93000	-26.16800	-6.89100	96.40000	0.0	3.2090
0.0	3.2090	-0.0034505	90.062							
		26		No 7 LG - Line 18	0.0	-26.06800	-6.89100	96.40000	0.0	3.2090
0.0	0.0032456	3.2090	0.057950							
					0.98871	-25.07929	-6.89000	96.40000	0.0	3.2100
0.0	0.0032466	3.2100	0.057950							
					1.9774	-24.09057	-6.88900	96.40000	0.0	3.2110
0.0	0.0032477	3.2110	0.057950							
					2.9661	-23.10186	-6.88800	96.40000	0.0	3.2120
0.0	0.0032487	3.2120	0.057950							
					3.9549	-22.11314	-6.88700	96.40000	0.0	3.2416
0.0	0.0032786	3.2416	0.057950							
					4.9436	-21.12443	-6.88600	96.40000	-0.65361	4.5876
0.0	-0.64897	4.5882	0.057950							
					5.9323	-20.13571	-6.88500	96.40000	-1.0136	3.8306
0.0	-1.0097	3.8316	0.057950							
					6.9210	-19.14700	-6.88400	96.40000	-1.0072	3.2555
0.0	-1.0039	3.2565	0.057950							
		27		No 7 LG - Line 19	0.0	-19.04700	-6.88400	96.40000	-0.98889	3.2080
0.0	3.2080	0.98889	90.000							
					0.11840	-19.04700	-6.76560	96.40000	-1.0574	3.3296
0.0	3.3296	1.0574	90.000							
					0.23680	-19.04700	-6.64720	96.40000	-1.1280	3.4469
0.0	3.4469	1.1280	90.000							
					0.35520	-19.04700	-6.52880	96.40000	-1.2009	3.5597
0.0	3.5597	1.2009	90.000							
					0.47360	-19.04700	-6.41040	96.40000	-1.2758	3.6679
0.0	3.6679	1.2758	90.000							



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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	3.7714	1.3530	90.000		0.59200	-19.04700	-6.29200	96.40000	-1.3530	3.7714
0.0	3.8701	1.4322	90.000		0.71040	-19.04700	-6.17360	96.40000	-1.4322	3.8701
0.0	3.9640	1.5135	90.000		0.82880	-19.04700	-6.05520	96.40000	-1.5135	3.9640
0.0	4.0530	1.5967	90.000		0.94720	-19.04700	-5.93680	96.40000	-1.5967	4.0530
0.0	4.1372	1.6818	90.000		1.0656	-19.04700	-5.81840	96.40000	-1.6818	4.1372
0.0	4.2164	1.7685	90.000		1.1840	-19.04700	-5.70000	96.40000	-1.7685	4.2164
0.0	1.8064	-4.2622	180.00	No 7 LG - Line 20	0.0	-19.14700	-5.70000	96.40000	-1.8064	4.2622
0.0	1.8674	-4.3539	180.00		0.18430	-19.33130	-5.70000	96.40000	-1.8674	4.3539
0.0	1.9157	-4.4559	180.00		0.36860	-19.51560	-5.70000	96.40000	-1.9157	4.4559
0.0	1.9493	-4.5697	180.00		0.55290	-19.69990	-5.70000	96.40000	-1.9493	4.5697
0.0	1.9662	-4.6968	180.00		0.73720	-19.88420	-5.70000	96.40000	-1.9662	4.6968
0.0	1.9641	-4.8389	180.00		0.92150	-20.06850	-5.70000	96.40000	-1.9641	4.8389
0.0	1.9402	-4.9980	180.00		1.1058	-20.25280	-5.70000	96.40000	-1.9402	4.9980
0.0	1.8915	-5.1760	180.00		1.2901	-20.43710	-5.70000	96.40000	-1.8915	5.1760
0.0041238	1.8261	-5.3876	180.00		1.4744	-20.62140	-5.70000	96.40000	-1.8261	5.3876
0.0098262	1.7347	-5.6336	180.00		1.6587	-20.80570	-5.70000	96.40000	-1.7347	5.6336
0.015154	1.6038	-5.9057	180.00		1.8430	-20.99000	-5.70000	96.40000	-1.6038	5.9057
0.018218	6.0645	1.5153	90.000	No 7 LG - Line 21	0.0	-21.09000	-5.70000	96.40000	-1.5153	6.0645
0.025928	6.1785	1.6811	90.000		0.13430	-21.09000	-5.56570	96.40000	-1.6811	6.1785
0.036065	6.2668	1.8682	90.000		0.26860	-21.09000	-5.43140	96.40000	-1.8682	6.2668
0.049024	6.3251	2.0799	90.000		0.40290	-21.09000	-5.29710	96.40000	-2.0799	6.3251
0.069757	6.3777	2.3198	90.000		0.53720	-21.09000	-5.16280	96.40000	-2.3198	6.3777
0.094365	6.4058	2.5920	90.000		0.67150	-21.09000	-5.02850	96.40000	-2.5920	6.4058
0.12144	6.3884	2.9002	90.000		0.80580	-21.09000	-4.89420	96.40000	-2.9002	6.3884
0.15185	6.3205	3.2471	90.000		0.94010	-21.09000	-4.75990	96.40000	-3.2471	6.3205
0.18586	6.1989	3.6337	90.000		1.0744	-21.09000	-4.62560	96.40000	-3.6337	6.1989
0.22323	6.0237	4.0573	90.000		1.2087	-21.09000	-4.49130	96.40000	-4.0573	6.0237
0.26340	5.7999	4.5101	90.000		1.3430	-21.09000	-4.35700	96.40000	-4.5101	5.7999
0.0	0.0	0.0	177.13	No 7 LG - Line 22	0.0	-24.32700	-30.49200	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		0.95720	-25.28300	-30.44414	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		1.9144	-26.23900	-30.39629	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		2.8716	-27.19500	-30.34843	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		3.8288	-28.15100	-30.30057	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		4.7860	-29.10700	-30.25271	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		5.7432	-30.06300	-30.20486	96.40000	0.0	0.0
0.0	0.0	0.0	177.13		6.7004	-31.01900	-30.15700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957	No 7 LG - Line 23	0.0	-31.11900	-30.15700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		0.98917	-31.11825	-29.16783	96.40000	0.0	0.0
0.0	0.0	0.0	89.957		1.9783	-31.11750	-28.17867	96.40000	0.0	0.0



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Ground Movement Assessment
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Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	89.957							
					2.9675	-31.11675	-27.18950	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					3.9567	-31.11600	-26.20033	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					4.9458	-31.11525	-25.21117	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					5.9350	-31.11450	-24.22200	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					6.9242	-31.11375	-23.23283	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					7.9133	-31.11300	-22.24367	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					8.9025	-31.11225	-21.25450	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					9.8917	-31.11150	-20.26533	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					10.881	-31.11075	-19.27617	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					11.870	-31.11000	-18.28700	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					12.859	-31.10925	-17.29783	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					13.848	-31.10850	-16.30867	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					14.838	-31.10775	-15.31950	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					15.827	-31.10700	-14.33033	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					16.816	-31.10625	-13.34117	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					17.805	-31.10550	-12.35200	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					18.794	-31.10475	-11.36283	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					19.783	-31.10400	-10.37367	96.40000	0.0	0.0
0.0	0.0	0.0	89.957							
					20.773	-31.10325	-9.38450	96.40000	0.0	0.71550
0.0	0.71550	542.50E-6	89.957							
					21.762	-31.10250	-8.39533	96.40000	0.0	1.7047
0.0	1.7047	0.0012925	89.957							
					22.751	-31.10175	-7.40617	96.40000	0.0	2.6938
0.0	2.6938	0.0020425	89.957							
					23.740	-31.10100	-6.41700	96.40000	0.0	3.6830
0.0	3.6830	0.0027925	89.957							
					0.0	-31.00100	-6.41700	96.40000	0.0	3.6830
0.0	0.22052	3.6764	3.4327	No 7 LG - Line 24						
					0.96533	-30.03740	-6.35920	96.40000	0.0	3.7408
0.0	0.22398	3.7341	3.4327							
					1.9307	-29.07380	-6.30140	96.40000	0.0	3.8148
0.0029315	0.22841	3.8080	3.4327							
					2.8960	-28.11020	-6.24360	96.40000	0.0	3.8919
0.0058547	0.23303	3.8849	3.4327							
					3.8613	-27.14660	-6.18580	96.40000	0.0	3.9689
0.0085533	0.23764	3.9618	3.4327							
					4.8267	-26.18300	-6.12800	96.40000	0.0	4.0460
0.011207	0.24226	4.0387	3.4327							
					0.0	-26.08300	-6.12800	96.40000	0.0	4.0460
0.011207	0.35257	4.0306	4.9990	No 7 LG - Line 25						
					0.98234	-25.10440	-6.04240	96.40000	0.0	4.1601
0.015413	0.36251	4.1443	4.9990							
					1.9647	-24.12580	-5.95680	96.40000	0.0	4.2743
0.020402	0.37246	4.2580	4.9990							
					2.9470	-23.14720	-5.87120	96.40000	0.0	4.3884
0.026638	0.38240	4.3717	4.9990							
					3.9293	-22.16860	-5.78560	96.40000	0.0	4.5232
0.034539	0.39415	4.5060	4.9990							
					4.9117	-21.19000	-5.70000	96.40000	-1.4142	6.2309
0.021468	-0.86588	6.3305	4.9990							
					0.0	2.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	34	0.0	Thames Water Asset						
					1.0000	2.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					2.0000	2.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					3.0000	2.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		4.0000	2.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	2.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	2.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	2.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	2.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	2.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		10.000	2.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	2.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	2.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	2.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	2.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	2.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	2.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	2.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	2.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	2.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	2.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	2.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	2.00000	-18.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		23.000	2.00000	-17.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		24.000	2.00000	-16.00000	98.75000	0.0	0.0
0.0	0.14118	0.12621	90.000		25.000	2.00000	-15.00000	98.75000	-0.12621	0.14118
0.0	0.32402	0.31832	90.000		26.000	2.00000	-14.00000	98.75000	-0.31832	0.32402
0.0	0.48533	0.52760	90.000		27.000	2.00000	-13.00000	98.75000	-0.52760	0.48533
0.0	0.62257	0.75467	90.000		28.000	2.00000	-12.00000	98.75000	-0.75467	0.62257
0.0	0.75169	0.96645	90.000		29.000	2.00000	-11.00000	98.75000	-0.96645	0.75169
0.0	0.89303	1.1482	90.000		30.000	2.00000	-10.00000	98.75000	-1.1482	0.89303
0.0	1.0344	1.3299	90.000		31.000	2.00000	-9.00000	98.75000	-1.3299	1.0344
0.0	1.1757	1.5116	90.000		32.000	2.00000	-8.00000	98.75000	-1.5116	1.1757
0.0	1.2907	1.7029	90.000		33.000	2.00000	-7.00000	98.75000	-1.7029	1.2907
0.0	1.2193	1.9460	90.000		34.000	2.00000	-6.00000	98.75000	-1.9460	1.2193
0.0	1.0709	2.1861	90.000		35.000	2.00000	-5.00000	98.75000	-2.1861	1.0709
0.0	0.84746	2.4167	90.000		36.000	2.00000	-4.00000	98.75000	-2.4167	0.84746
0.0	0.55859	2.6284	90.000		37.000	2.00000	-3.00000	98.75000	-2.6284	0.55859
0.0	0.22355	2.8093	90.000		38.000	2.00000	-2.00000	98.75000	-2.8093	0.22355
0.0	0.15041	2.8578	90.000		39.000	2.00000	-1.00000	98.75000	-2.8578	0.15041
0.0	0.15144	2.8774	90.000		40.000	2.00000	0.00000	98.75000	-2.8774	0.15144
0.0	0.15248	2.8971	90.000		41.000	2.00000	1.00000	98.75000	-2.8971	0.15248
0.0					42.000	2.00000	2.00000	98.75000	-2.9168	0.15352



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9 Lyndhurst Terrace, London
Ground Movement Assessment
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Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	0.15352	2.9168	90.000		43.000	2.00000	3.00000	98.75000	-2.9365	0.15455
0.0	0.15455	2.9365	90.000		44.000	2.00000	4.00000	98.75000	-2.9562	0.15559
0.0	0.15559	2.9562	90.000		45.000	2.00000	5.00000	98.75000	-2.9759	0.15662
0.0	0.15662	2.9759	90.000		46.000	2.00000	6.00000	98.75000	-2.9505	0.11092
0.0	0.11092	2.9505	90.000		47.000	2.00000	7.00000	98.75000	-2.6735	-0.16500
0.0	-0.16500	2.6735	90.000		48.000	2.00000	8.00000	98.75000	-2.3650	-0.42181
0.0	-0.42181	2.3650	90.000		49.000	2.00000	9.00000	98.75000	-2.0486	-0.63858
0.0	-0.63858	2.0486	90.000		50.000	2.00000	10.00000	98.75000	-1.7421	-0.80200
0.0	-0.80200	1.7421	90.000		51.000	2.00000	11.00000	98.75000	-1.4568	-0.90666
0.0	-0.90666	1.4568	90.000		52.000	2.00000	12.00000	98.75000	-1.1981	-0.95324
0.0	-0.95324	1.1981	90.000		53.000	2.00000	13.00000	98.75000	-0.96705	-0.94606
0.0	-0.94606	0.96705	90.000		54.000	2.00000	14.00000	98.75000	-0.76253	-0.89111
0.0	-0.89111	0.76253	90.000		55.000	2.00000	15.00000	98.75000	-0.58213	-0.79472
0.0	-0.79472	0.58213	90.000		56.000	2.00000	16.00000	98.75000	-0.42305	-0.66288
0.0	-0.66288	0.42305	90.000		57.000	2.00000	17.00000	98.75000	-0.28255	-0.50090
0.0	-0.50090	0.28255	90.000		58.000	2.00000	18.00000	98.75000	-0.15809	-0.31335
0.0	-0.31335	0.15809	90.000		59.000	2.00000	19.00000	98.75000	-0.047442	-0.10411
0.0	-0.10411	0.047442	90.000		60.000	2.00000	20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		61.000	2.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	2.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	2.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	2.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	2.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	2.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	2.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	2.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	2.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	2.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		0.0	-1.00000	-40.00000	99.25000	0.0	0.0
0.0	0.0	35 0.0	90.000	Lyndhurst Terrace Curb Line	0.0	-1.00000	-39.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		1.0000	-1.00000	-38.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	-1.00000	-37.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		3.0000	-1.00000	-36.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		4.0000	-1.00000	-35.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	-1.00000	-34.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	-1.00000	-33.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	-1.00000	-32.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	-1.00000	-31.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	-1.00000	-30.00000	99.25000	0.0	0.0



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		10.000	-1.00000	-30.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	-1.00000	-29.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	-1.00000	-28.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	-1.00000	-27.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	-1.00000	-26.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	-1.00000	-25.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		16.000	-1.00000	-24.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	-1.00000	-23.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	-1.00000	-22.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	-1.00000	-21.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	-1.00000	-20.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	-1.00000	-19.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	-1.00000	-18.00000	99.25000	0.0	0.0
0.0	0.16688	0.084275	90.000		23.000	-1.00000	-17.00000	99.25000	-0.084275	0.16688
0.0	0.42559	0.23432	90.000		24.000	-1.00000	-16.00000	99.25000	-0.23432	0.42559
0.0	0.66831	0.40399	90.000		25.000	-1.00000	-15.00000	99.25000	-0.40399	0.66831
0.0	0.89196	0.59675	90.000		26.000	-1.00000	-14.00000	99.25000	-0.59675	0.89196
0.0	1.0927	0.81669	90.000		27.000	-1.00000	-13.00000	99.25000	-0.81669	1.0927
0.0	1.2661	1.0685	90.000		28.000	-1.00000	-12.00000	99.25000	-1.0685	1.2661
0.0	1.4064	1.3571	90.000		29.000	-1.00000	-11.00000	99.25000	-1.3571	1.4064
0.0	1.5076	1.6878	90.000		30.000	-1.00000	-10.00000	99.25000	-1.6878	1.5076
0.0	1.5796	2.0309	90.000		31.000	-1.00000	-9.00000	99.25000	-2.0309	1.5796
0.0	1.7209	2.2126	90.000		32.000	-1.00000	-8.00000	99.25000	-2.2126	1.7209
0.0	1.8623	2.3943	90.000		33.000	-1.00000	-7.00000	99.25000	-2.3943	1.8623
0.0	2.0036	2.5761	90.000		34.000	-1.00000	-6.00000	99.25000	-2.5761	2.0036
0.0	2.1450	2.7578	90.000		35.000	-1.00000	-5.00000	99.25000	-2.7578	2.1450
0.026132	1.9262	3.2325	90.000		36.000	-1.00000	-4.00000	99.25000	-3.2325	1.9262
0.048478	1.3632	3.7517	90.000		37.000	-1.00000	-3.00000	99.25000	-3.7517	1.3632
0.065562	0.56210	4.2243	90.000		38.000	-1.00000	-2.00000	99.25000	-4.2243	0.56210
0.071245	0.23139	4.3964	90.000		39.000	-1.00000	-1.00000	99.25000	-4.3964	0.23139
0.075952	0.23335	4.4336	90.000		40.000	-1.00000	0.00000	99.25000	-4.4336	0.23335
0.080940	0.23531	4.4708	90.000		41.000	-1.00000	1.00000	99.25000	-4.4708	0.23531
0.086222	0.23726	4.5080	90.000		42.000	-1.00000	2.00000	99.25000	-4.5080	0.23726
0.091811	0.23922	4.5452	90.000		43.000	-1.00000	3.00000	99.25000	-4.5452	0.23922
0.097720	0.24118	4.5823	90.000		44.000	-1.00000	4.00000	99.25000	-4.5823	0.24118
0.10396	0.24313	4.6195	90.000		45.000	-1.00000	5.00000	99.25000	-4.6195	0.24313
0.11054	0.23715	4.6492	90.000		46.000	-1.00000	6.00000	99.25000	-4.6492	0.23715
0.10135	-0.50495	3.8952	90.000		47.000	-1.00000	7.00000	99.25000	-3.8952	-0.50495
					48.000	-1.00000	8.00000	99.25000	-3.1021	-1.1233



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.070084	-1.1233	3.1021	90.000		49.000	-1.00000	9.00000	99.25000	-2.3868	-1.5257
0.037143	-1.5257	2.3868	90.000		50.000	-1.00000	10.00000	99.25000	-1.7920	-1.7031
0.0065874	-1.7031	1.7920	90.000		51.000	-1.00000	11.00000	99.25000	-1.4026	-1.8036
0.0	-1.8036	1.4026	90.000		52.000	-1.00000	12.00000	99.25000	-1.1078	-1.8152
0.0	-1.8152	1.1078	90.000		53.000	-1.00000	13.00000	99.25000	-0.87219	-1.7472
0.0	-1.7472	0.87219	90.000		54.000	-1.00000	14.00000	99.25000	-0.68144	-1.6196
0.0	-1.6196	0.68144	90.000		55.000	-1.00000	15.00000	99.25000	-0.52490	-1.4468
0.0	-1.4468	0.52490	90.000		56.000	-1.00000	16.00000	99.25000	-0.39468	-1.2397
0.0	-1.2397	0.39468	90.000		57.000	-1.00000	17.00000	99.25000	-0.28500	-1.0058
0.0	-1.0058	0.28500	90.000		58.000	-1.00000	18.00000	99.25000	-0.19153	-0.75080
0.0	-0.75080	0.19153	90.000		59.000	-1.00000	19.00000	99.25000	-0.11106	-0.47902
0.0	-0.47902	0.11106	90.000		60.000	-1.00000	20.00000	99.25000	-0.041130	-0.19364
0.0	-0.19364	0.041130	90.000		61.000	-1.00000	21.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	-1.00000	22.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	-1.00000	23.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	-1.00000	24.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	-1.00000	25.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	-1.00000	26.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	-1.00000	27.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	-1.00000	28.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	-1.00000	29.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	-1.00000	30.00000	99.25000	0.0	0.0
0.0	0.0	0.0	90.000		0.0	0.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	36	90.000	Cadent Gas Asset	1.0000	0.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		2.0000	0.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		3.0000	0.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		4.0000	0.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		5.0000	0.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		6.0000	0.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		7.0000	0.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		8.0000	0.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		9.0000	0.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		10.000	0.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		11.000	0.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		12.000	0.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		13.000	0.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		14.000	0.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		15.000	0.00000	-25.00000	98.75000	0.0	0.0



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.0	0.0	90.000		16.000	0.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		17.000	0.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		18.000	0.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		19.000	0.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		20.000	0.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		21.000	0.00000	-19.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		22.000	0.00000	-18.00000	98.75000	0.0	0.0
0.0	0.022773	0.013400	90.000		23.000	0.00000	-17.00000	98.75000	-0.013400	0.022773
0.0	0.26659	0.17085	90.000		24.000	0.00000	-16.00000	98.75000	-0.17085	0.26659
0.0	0.49371	0.34688	90.000		25.000	0.00000	-15.00000	98.75000	-0.34688	0.49371
0.0	0.70128	0.54422	90.000		26.000	0.00000	-14.00000	98.75000	-0.54422	0.70128
0.0	0.88593	0.76582	90.000		27.000	0.00000	-13.00000	98.75000	-0.76582	0.88593
0.0	1.0438	1.0148	90.000		28.000	0.00000	-12.00000	98.75000	-1.0148	1.0438
0.0	1.1704	1.2940	90.000		29.000	0.00000	-11.00000	98.75000	-1.2940	1.1704
0.0	1.2612	1.6057	90.000		30.000	0.00000	-10.00000	98.75000	-1.6057	1.2612
0.0	1.3978	1.7972	90.000		31.000	0.00000	-9.00000	98.75000	-1.7972	1.3978
0.0	1.5392	1.9790	90.000		32.000	0.00000	-8.00000	98.75000	-1.9790	1.5392
0.0	1.6805	2.1607	90.000		33.000	0.00000	-7.00000	98.75000	-2.1607	1.6805
0.0	1.8219	2.3424	90.000		34.000	0.00000	-6.00000	98.75000	-2.3424	1.8219
0.0	1.7442	2.5992	90.000		35.000	0.00000	-5.00000	98.75000	-2.5992	1.7442
0.0	1.4120	2.9127	90.000		36.000	0.00000	-4.00000	98.75000	-2.9127	1.4120
0.0	0.94784	3.2236	90.000		37.000	0.00000	-3.00000	98.75000	-3.2236	0.94784
0.010982	0.38756	3.5735	90.000		38.000	0.00000	-2.00000	98.75000	-3.5735	0.38756
0.014033	0.19421	3.6901	90.000		39.000	0.00000	-1.00000	98.75000	-3.6901	0.19421
0.016543	0.19617	3.7272	90.000		40.000	0.00000	0.00000	98.75000	-3.7272	0.19617
0.018996	0.19813	3.7644	90.000		41.000	0.00000	1.00000	98.75000	-3.7644	0.19813
0.021414	0.20008	3.8016	90.000		42.000	0.00000	2.00000	98.75000	-3.8016	0.20008
0.023817	0.20204	3.8388	90.000		43.000	0.00000	3.00000	98.75000	-3.8388	0.20204
0.026226	0.20400	3.8760	90.000		44.000	0.00000	4.00000	98.75000	-3.8760	0.20400
0.028662	0.20595	3.9131	90.000		45.000	0.00000	5.00000	98.75000	-3.9131	0.20595
0.031126	0.17557	3.9194	90.000		46.000	0.00000	6.00000	98.75000	-3.9194	0.17557
0.028315	-0.33029	3.3994	90.000		47.000	0.00000	7.00000	98.75000	-3.3994	-0.33029
0.016770	-0.76803	2.8157	90.000		48.000	0.00000	8.00000	98.75000	-2.8157	-0.76803
0.0	-1.0863	2.2672	90.000		49.000	0.00000	9.00000	98.75000	-2.2672	-1.0863
0.0	-1.3174	1.8524	90.000		50.000	0.00000	10.00000	98.75000	-1.8524	-1.3174
0.0	-1.4450	1.4999	90.000		51.000	0.00000	11.00000	98.75000	-1.4999	-1.4450
0.0	-1.4833	1.2050	90.000		52.000	0.00000	12.00000	98.75000	-1.2050	-1.4833
0.0	-1.4486	0.95939	90.000		53.000	0.00000	13.00000	98.75000	-0.95939	-1.4486
					54.000	0.00000	14.00000	98.75000	-0.75414	-1.3558



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9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: $\delta H//$ Name	Disp. $\delta H_{perp.}$ Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	-1.3558	0.75414	90.000							
					55.000	0.00000	15.00000	98.75000	-0.58150	-1.2166
0.0	-1.2166	0.58150	90.000							
					56.000	0.00000	16.00000	98.75000	-0.43512	-1.0407
0.0	-1.0407	0.43512	90.000							
					57.000	0.00000	17.00000	98.75000	-0.30993	-0.83535
0.0	-0.83535	0.30993	90.000							
					58.000	0.00000	18.00000	98.75000	-0.20196	-0.60628
0.0	-0.60628	0.20196	90.000							
					59.000	0.00000	19.00000	98.75000	-0.10808	-0.35787
0.0	-0.35787	0.10808	90.000							
					60.000	0.00000	20.00000	98.75000	-0.025830	-0.093572
0.0	-0.093572	0.025830	90.000							
					61.000	0.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					62.000	0.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					63.000	0.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					64.000	0.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					65.000	0.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					66.000	0.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					67.000	0.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					68.000	0.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					69.000	0.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					70.000	0.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					0.0	-2.00000	-40.00000	98.75000	0.0	0.0
0.0	0.0	37 0.0	UKPN Asset 90.000							
					1.0000	-2.00000	-39.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					2.0000	-2.00000	-38.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					3.0000	-2.00000	-37.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					4.0000	-2.00000	-36.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					5.0000	-2.00000	-35.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					6.0000	-2.00000	-34.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					7.0000	-2.00000	-33.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					8.0000	-2.00000	-32.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					9.0000	-2.00000	-31.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					10.000	-2.00000	-30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					11.000	-2.00000	-29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					12.000	-2.00000	-28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					13.000	-2.00000	-27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					14.000	-2.00000	-26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					15.000	-2.00000	-25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					16.000	-2.00000	-24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					17.000	-2.00000	-23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					18.000	-2.00000	-22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					19.000	-2.00000	-21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					20.000	-2.00000	-20.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							
					21.000	-2.00000	-19.00000	98.75000	0.0	0.0



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: δH // Name	Disp. δH perp. Line: Ref.	Disp. Line: Angle	Name	Chainage	x	y	z	δx	δy
0.0	0.016200	0.0063039	90.000		22.000	-2.00000	-18.00000	98.75000	-0.0063039	0.016200
0.0	0.30354	0.12804	90.000		23.000	-2.00000	-17.00000	98.75000	-0.12804	0.30354
0.0	0.57868	0.26630	90.000		24.000	-2.00000	-16.00000	98.75000	-0.26630	0.57868
0.0	0.83907	0.42437	90.000		25.000	-2.00000	-15.00000	98.75000	-0.42437	0.83907
0.0	1.0815	0.60632	90.000		26.000	-2.00000	-14.00000	98.75000	-0.60632	1.0815
0.0	1.3019	0.81725	90.000		27.000	-2.00000	-13.00000	98.75000	-0.81725	1.3019
0.0	1.4951	1.0634	90.000		28.000	-2.00000	-12.00000	98.75000	-1.0634	1.4951
0.0	1.6546	1.3524	90.000		29.000	-2.00000	-11.00000	98.75000	-1.3524	1.6546
0.0	1.7723	1.6928	90.000		30.000	-2.00000	-10.00000	98.75000	-1.6928	1.7723
0.0	1.8386	2.0939	90.000		31.000	-2.00000	-9.00000	98.75000	-2.0939	1.8386
0.0	1.9026	2.4463	90.000		32.000	-2.00000	-8.00000	98.75000	-2.4463	1.9026
0.0	2.0440	2.6280	90.000		33.000	-2.00000	-7.00000	98.75000	-2.6280	2.0440
0.0070913	2.2093	2.8405	90.000		34.000	-2.00000	-6.00000	98.75000	-2.8405	2.2093
0.036558	2.4763	3.1838	90.000		35.000	-2.00000	-5.00000	98.75000	-3.1838	2.4763
0.079736	2.7094	3.5396	90.000		36.000	-2.00000	-4.00000	98.75000	-3.5396	2.7094
0.14647	1.9830	4.1872	90.000		37.000	-2.00000	-3.00000	98.75000	-4.1872	1.9830
0.20315	0.83500	4.8352	90.000		38.000	-2.00000	-2.00000	98.75000	-4.8352	0.83500
0.22007	0.26857	5.1028	90.000		39.000	-2.00000	-1.00000	98.75000	-5.1028	0.26857
0.23199	0.27053	5.1400	90.000		40.000	-2.00000	0.00000	98.75000	-5.1400	0.27053
0.24439	0.27248	5.1772	90.000		41.000	-2.00000	1.00000	98.75000	-5.1772	0.27248
0.25725	0.27444	5.2144	90.000		42.000	-2.00000	2.00000	98.75000	-5.2144	0.27444
0.27058	0.27640	5.2515	90.000		43.000	-2.00000	3.00000	98.75000	-5.2515	0.27640
0.28440	0.27835	5.2887	90.000		44.000	-2.00000	4.00000	98.75000	-5.2887	0.27835
0.29869	0.28031	5.3259	90.000		45.000	-2.00000	5.00000	98.75000	-5.3259	0.28031
0.31347	0.28227	5.3631	90.000		46.000	-2.00000	6.00000	98.75000	-5.3631	0.28227
0.28618	-0.79778	4.2722	90.000		47.000	-2.00000	7.00000	98.75000	-4.2722	-0.79778
0.19367	-1.6669	3.1830	90.000		48.000	-2.00000	8.00000	98.75000	-3.1830	-1.6669
0.098467	-2.1516	2.3166	90.000		49.000	-2.00000	9.00000	98.75000	-2.3166	-2.1516
0.039303	-2.3068	1.6734	90.000		50.000	-2.00000	10.00000	98.75000	-1.6734	-2.3068
0.0	-2.2339	1.2035	90.000		51.000	-2.00000	11.00000	98.75000	-1.2035	-2.2339
0.0	-2.1932	0.93267	90.000		52.000	-2.00000	12.00000	98.75000	-0.93267	-2.1932
0.0	-2.0734	0.72533	90.000		53.000	-2.00000	13.00000	98.75000	-0.72533	-2.0734
0.0	-1.8981	0.56266	90.000		54.000	-2.00000	14.00000	98.75000	-0.56266	-1.8981
0.0	-1.6830	0.43221	90.000		55.000	-2.00000	15.00000	98.75000	-0.43221	-1.6830
0.0	-1.4385	0.32558	90.000		56.000	-2.00000	16.00000	98.75000	-0.32558	-1.4385
0.0	-1.1719	0.23695	90.000		57.000	-2.00000	17.00000	98.75000	-0.23695	-1.1719
0.0	-0.88825	0.16222	90.000		58.000	-2.00000	18.00000	98.75000	-0.16222	-0.88825
0.0	-0.59120	0.098415	90.000		59.000	-2.00000	19.00000	98.75000	-0.098415	-0.59120
					60.000	-2.00000	20.00000	98.75000	-0.043339	-0.28345



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: δz Ref.	Stage: δH// Name	Disp. δHperp. Line: Ref.	Disp. Angle	Line: Name	Chainage	x	y	z	δx	δy
0.0	-0.28345	0.043339	90.000		61.000	-2.00000	21.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		62.000	-2.00000	22.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		63.000	-2.00000	23.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		64.000	-2.00000	24.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		65.000	-2.00000	25.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		66.000	-2.00000	26.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		67.000	-2.00000	27.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		68.000	-2.00000	28.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		69.000	-2.00000	29.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000		70.000	-2.00000	30.00000	98.75000	0.0	0.0
0.0	0.0	0.0	90.000							

Displacement Results - Displacement Grids

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
0	Base Model 1	Grid 1		-40.00000	-40.00000	99.75000	0.0	0.0	0.012648	*
				-39.00000	-40.00000	99.75000	0.0	0.0	0.012790	*
				-38.00000	-40.00000	99.75000	0.0	0.0	0.012899	*
				-37.00000	-40.00000	99.75000	0.0	0.0	0.012973	*
				-36.00000	-40.00000	99.75000	0.0	0.0	0.013009	*
				-35.00000	-40.00000	99.75000	0.0	0.0	0.013006	*
				-34.00000	-40.00000	99.75000	0.0	0.0	0.012961	*
				-33.00000	-40.00000	99.75000	0.0	0.0	0.012873	*
				-32.00000	-40.00000	99.75000	0.0	0.0	0.012740	*
				-31.00000	-40.00000	99.75000	0.0	0.0	0.012562	*
				-30.00000	-40.00000	99.75000	0.0	0.0	0.012338	*
				-29.00000	-40.00000	99.75000	0.0	0.0	0.012068	*
				-28.00000	-40.00000	99.75000	0.0	0.0	0.011752	*
				-27.00000	-40.00000	99.75000	0.0	0.0	0.011391	*
				-26.00000	-40.00000	99.75000	0.0	0.0	0.010986	*
				-25.00000	-40.00000	99.75000	0.0	0.0	0.010539	*
				-24.00000	-40.00000	99.75000	0.0	0.0	0.010051	*
				-23.00000	-40.00000	99.75000	0.0	0.0	0.0095259	*
				-22.00000	-40.00000	99.75000	0.0	0.0	0.0089654	*
				-21.00000	-40.00000	99.75000	0.0	0.0	0.0083732	*
				-20.00000	-40.00000	99.75000	0.0	0.0	0.0077529	*
				-19.00000	-40.00000	99.75000	0.0	0.0	0.0071083	*
				-18.00000	-40.00000	99.75000	0.0	0.0	0.0064436	*
				-17.00000	-40.00000	99.75000	0.0	0.0	0.0057631	*
				-16.00000	-40.00000	99.75000	0.0	0.0	0.0050714	*
				-15.00000	-40.00000	99.75000	0.0	0.0	0.0043731	*
				-14.00000	-40.00000	99.75000	0.0	0.0	0.0036726	*
				-13.00000	-40.00000	99.75000	0.0	0.0	0.0029747	*
				-12.00000	-40.00000	99.75000	0.0	0.0	0.0022837	*
				-11.00000	-40.00000	99.75000	0.0	0.0	0.0016041	*
				-10.00000	-40.00000	99.75000	0.0	0.0	939.83E-6	*
				-9.00000	-40.00000	99.75000	0.0	0.0	294.90E-6	*
				-8.00000	-40.00000	99.75000	0.0	0.0	-327.20E-6	*
				-7.00000	-40.00000	99.75000	0.0	0.0	-923.25E-6	*
				-6.00000	-40.00000	99.75000	0.0	0.0	-0.0014904	*
				-5.00000	-40.00000	99.75000	0.0	0.0	-0.0020263	*
				-4.00000	-40.00000	99.75000	0.0	0.0	-0.0025288	*
				-3.00000	-40.00000	99.75000	0.0	0.0	-0.0029964	*
				-2.00000	-40.00000	99.75000	0.0	0.0	-0.0034279	*
				-1.00000	-40.00000	99.75000	0.0	0.0	-0.0038224	*
				0.00000	-40.00000	99.75000	0.0	0.0	-0.0041797	*
				1.00000	-40.00000	99.75000	0.0	0.0	0.0	
				2.00000	-40.00000	99.75000	0.0	0.0	0.0	
				3.00000	-40.00000	99.75000	0.0	0.0	0.0	
				4.00000	-40.00000	99.75000	0.0	0.0	0.0	
				5.00000	-40.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-39.00000	99.75000	0.0	0.0	0.013800	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
		-39.00000	-39.00000	99.75000			0.0	0.0	0.013969	*
		-38.00000	-39.00000	99.75000			0.0	0.0	0.014102	*
		-37.00000	-39.00000	99.75000			0.0	0.0	0.014196	*
		-36.00000	-39.00000	99.75000			0.0	0.0	0.014249	*
		-35.00000	-39.00000	99.75000			0.0	0.0	0.014257	*
		-34.00000	-39.00000	99.75000			0.0	0.0	0.014219	*
		-33.00000	-39.00000	99.75000			0.0	0.0	0.014132	*
		-32.00000	-39.00000	99.75000			0.0	0.0	0.013996	*
		-31.00000	-39.00000	99.75000			0.0	0.0	0.013809	*
		-30.00000	-39.00000	99.75000			0.0	0.0	0.013570	*
		-29.00000	-39.00000	99.75000			0.0	0.0	0.013279	*
		-28.00000	-39.00000	99.75000			0.0	0.0	0.012936	*
		-27.00000	-39.00000	99.75000			0.0	0.0	0.012543	*
		-26.00000	-39.00000	99.75000			0.0	0.0	0.012099	*
		-25.00000	-39.00000	99.75000			0.0	0.0	0.011607	*
		-24.00000	-39.00000	99.75000			0.0	0.0	0.011070	*
		-23.00000	-39.00000	99.75000			0.0	0.0	0.010489	*
		-22.00000	-39.00000	99.75000			0.0	0.0	0.0098691	*
		-21.00000	-39.00000	99.75000			0.0	0.0	0.0092128	*
		-20.00000	-39.00000	99.75000			0.0	0.0	0.0085246	*
		-19.00000	-39.00000	99.75000			0.0	0.0	0.0078088	*
		-18.00000	-39.00000	99.75000			0.0	0.0	0.0070702	*
		-17.00000	-39.00000	99.75000			0.0	0.0	0.0063137	*
		-16.00000	-39.00000	99.75000			0.0	0.0	0.0055446	*
		-15.00000	-39.00000	99.75000			0.0	0.0	0.0047680	*
		-14.00000	-39.00000	99.75000			0.0	0.0	0.0039892	*
		-13.00000	-39.00000	99.75000			0.0	0.0	0.0032135	*
		-12.00000	-39.00000	99.75000			0.0	0.0	0.0024460	*
		-11.00000	-39.00000	99.75000			0.0	0.0	0.0016916	*
		-10.00000	-39.00000	99.75000			0.0	0.0	955.09E-6	*
		-9.00000	-39.00000	99.75000			0.0	0.0	240.79E-6	*
		-8.00000	-39.00000	99.75000			0.0	0.0	-447.26E-6	*
		-7.00000	-39.00000	99.75000			0.0	0.0	-0.0011054	*
		-6.00000	-39.00000	99.75000			0.0	0.0	-0.0017305	*
		-5.00000	-39.00000	99.75000			0.0	0.0	-0.0023198	*
		-4.00000	-39.00000	99.75000			0.0	0.0	-0.0028710	*
		-3.00000	-39.00000	99.75000			0.0	0.0	-0.0033825	*
		-2.00000	-39.00000	99.75000			0.0	0.0	-0.0038529	*
		-1.00000	-39.00000	99.75000			0.0	0.0	-0.0042815	*
		0.00000	-39.00000	99.75000			0.0	0.0	-0.0046680	*
		1.00000	-39.00000	99.75000			0.0	0.0	0.0	*
		2.00000	-39.00000	99.75000			0.0	0.0	0.0	*
		3.00000	-39.00000	99.75000			0.0	0.0	0.0	*
		4.00000	-39.00000	99.75000			0.0	0.0	0.0	*
		5.00000	-39.00000	99.75000			0.0	0.0	0.0	*
		-40.00000	-38.00000	99.75000			0.0	0.0	0.015065	*
		-39.00000	-38.00000	99.75000			0.0	0.0	0.015265	*
		-38.00000	-38.00000	99.75000			0.0	0.0	0.015426	*
		-37.00000	-38.00000	99.75000			0.0	0.0	0.015545	*
		-36.00000	-38.00000	99.75000			0.0	0.0	0.015617	*
		-35.00000	-38.00000	99.75000			0.0	0.0	0.015640	*
		-34.00000	-38.00000	99.75000			0.0	0.0	0.015611	*
		-33.00000	-38.00000	99.75000			0.0	0.0	0.015528	*
		-32.00000	-38.00000	99.75000			0.0	0.0	0.015390	*
		-31.00000	-38.00000	99.75000			0.0	0.0	0.015194	*
		-30.00000	-38.00000	99.75000			0.0	0.0	0.014939	*
		-29.00000	-38.00000	99.75000			0.0	0.0	0.014626	*
		-28.00000	-38.00000	99.75000			0.0	0.0	0.014254	*
		-27.00000	-38.00000	99.75000			0.0	0.0	0.013824	*
		-26.00000	-38.00000	99.75000			0.0	0.0	0.013338	*
		-25.00000	-38.00000	99.75000			0.0	0.0	0.012797	*
		-24.00000	-38.00000	99.75000			0.0	0.0	0.012205	*
		-23.00000	-38.00000	99.75000			0.0	0.0	0.011563	*
		-22.00000	-38.00000	99.75000			0.0	0.0	0.010876	*
		-21.00000	-38.00000	99.75000			0.0	0.0	0.010148	*
		-20.00000	-38.00000	99.75000			0.0	0.0	0.0093833	*
		-19.00000	-38.00000	99.75000			0.0	0.0	0.0085874	*
		-18.00000	-38.00000	99.75000			0.0	0.0	0.0077657	*
		-17.00000	-38.00000	99.75000			0.0	0.0	0.0069237	*
		-16.00000	-38.00000	99.75000			0.0	0.0	0.0060673	*
		-15.00000	-38.00000	99.75000			0.0	0.0	0.0052026	*
		-14.00000	-38.00000	99.75000			0.0	0.0	0.0043356	*
		-13.00000	-38.00000	99.75000			0.0	0.0	0.0034724	*
		-12.00000	-38.00000	99.75000			0.0	0.0	0.0026188	*
		-11.00000	-38.00000	99.75000			0.0	0.0	0.0017805	*
		-10.00000	-38.00000	99.75000			0.0	0.0	962.81E-6	*
		-9.00000	-38.00000	99.75000			0.0	0.0	170.82E-6	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-8.00000	-38.00000	99.75000	0.0	0.0	-590.92E-6	*
				-7.00000	-38.00000	99.75000	0.0	0.0	-0.0013183	*
				-6.00000	-38.00000	99.75000	0.0	0.0	-0.0020077	*
				-5.00000	-38.00000	99.75000	0.0	0.0	-0.0026562	*
				-4.00000	-38.00000	99.75000	0.0	0.0	-0.0032611	*
				-3.00000	-38.00000	99.75000	0.0	0.0	-0.0038208	*
				-2.00000	-38.00000	99.75000	0.0	0.0	-0.0043337	*
				-1.00000	-38.00000	99.75000	0.0	0.0	-0.0047992	*
				0.00000	-38.00000	99.75000	0.0	0.0	-0.0052170	*
				1.00000	-38.00000	99.75000	0.0	0.0	0.0	
				2.00000	-38.00000	99.75000	0.0	0.0	0.0	
				3.00000	-38.00000	99.75000	0.0	0.0	0.0	
				4.00000	-38.00000	99.75000	0.0	0.0	0.0	
				5.00000	-38.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-37.00000	99.75000	0.0	0.0	0.016453	*
				-39.00000	-37.00000	99.75000	0.0	0.0	0.016691	*
				-38.00000	-37.00000	99.75000	0.0	0.0	0.016885	*
				-37.00000	-37.00000	99.75000	0.0	0.0	0.017033	*
				-36.00000	-37.00000	99.75000	0.0	0.0	0.017129	*
				-35.00000	-37.00000	99.75000	0.0	0.0	0.017170	*
				-34.00000	-37.00000	99.75000	0.0	0.0	0.017154	*
				-33.00000	-37.00000	99.75000	0.0	0.0	0.017077	*
				-32.00000	-37.00000	99.75000	0.0	0.0	0.016937	*
				-31.00000	-37.00000	99.75000	0.0	0.0	0.016733	*
				-30.00000	-37.00000	99.75000	0.0	0.0	0.016463	*
				-29.00000	-37.00000	99.75000	0.0	0.0	0.016126	*
				-28.00000	-37.00000	99.75000	0.0	0.0	0.015723	*
				-27.00000	-37.00000	99.75000	0.0	0.0	0.015254	*
				-26.00000	-37.00000	99.75000	0.0	0.0	0.014721	*
				-25.00000	-37.00000	99.75000	0.0	0.0	0.014125	*
				-24.00000	-37.00000	99.75000	0.0	0.0	0.013471	*
				-23.00000	-37.00000	99.75000	0.0	0.0	0.012761	*
				-22.00000	-37.00000	99.75000	0.0	0.0	0.011999	*
				-21.00000	-37.00000	99.75000	0.0	0.0	0.011190	*
				-20.00000	-37.00000	99.75000	0.0	0.0	0.010340	*
				-19.00000	-37.00000	99.75000	0.0	0.0	0.0094544	*
				-18.00000	-37.00000	99.75000	0.0	0.0	0.0085390	*
				-17.00000	-37.00000	99.75000	0.0	0.0	0.0076005	*
				-16.00000	-37.00000	99.75000	0.0	0.0	0.0066457	*
				-15.00000	-37.00000	99.75000	0.0	0.0	0.0056816	*
				-14.00000	-37.00000	99.75000	0.0	0.0	0.0047152	*
				-13.00000	-37.00000	99.75000	0.0	0.0	0.0037532	*
				-12.00000	-37.00000	99.75000	0.0	0.0	0.0028026	*
				-11.00000	-37.00000	99.75000	0.0	0.0	0.0018698	*
				-10.00000	-37.00000	99.75000	0.0	0.0	960.97E-6	*
				-9.00000	-37.00000	99.75000	0.0	0.0	81.813E-6	*
				-8.00000	-37.00000	99.75000	0.0	0.0	-762.42E-6	*
				-7.00000	-37.00000	99.75000	0.0	0.0	-0.0015671	*
				-6.00000	-37.00000	99.75000	0.0	0.0	-0.0023281	*
				-5.00000	-37.00000	99.75000	0.0	0.0	-0.0030421	*
				-4.00000	-37.00000	99.75000	0.0	0.0	-0.0037064	*
				-3.00000	-37.00000	99.75000	0.0	0.0	-0.0043189	*
				-2.00000	-37.00000	99.75000	0.0	0.0	-0.0048782	*
				-1.00000	-37.00000	99.75000	0.0	0.0	-0.0053835	*
				0.00000	-37.00000	99.75000	0.0	0.0	-0.0058349	*
				1.00000	-37.00000	99.75000	0.0	0.0	0.0	
				2.00000	-37.00000	99.75000	0.0	0.0	0.0	
				3.00000	-37.00000	99.75000	0.0	0.0	0.0	
				4.00000	-37.00000	99.75000	0.0	0.0	0.0	
				5.00000	-37.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-36.00000	99.75000	0.0	0.0	0.017978	*
				-39.00000	-36.00000	99.75000	0.0	0.0	0.018260	*
				-38.00000	-36.00000	99.75000	0.0	0.0	0.018494	*
				-37.00000	-36.00000	99.75000	0.0	0.0	0.018676	*
				-36.00000	-36.00000	99.75000	0.0	0.0	0.018802	*
				-35.00000	-36.00000	99.75000	0.0	0.0	0.018866	*
				-34.00000	-36.00000	99.75000	0.0	0.0	0.018866	*
				-33.00000	-36.00000	99.75000	0.0	0.0	0.018798	*
				-32.00000	-36.00000	99.75000	0.0	0.0	0.018659	*
				-31.00000	-36.00000	99.75000	0.0	0.0	0.018447	*
				-30.00000	-36.00000	99.75000	0.0	0.0	0.018161	*
				-29.00000	-36.00000	99.75000	0.0	0.0	0.017799	*
				-28.00000	-36.00000	99.75000	0.0	0.0	0.017362	*
				-27.00000	-36.00000	99.75000	0.0	0.0	0.016850	*
				-26.00000	-36.00000	99.75000	0.0	0.0	0.016266	*
				-25.00000	-36.00000	99.75000	0.0	0.0	0.015610	*
				-24.00000	-36.00000	99.75000	0.0	0.0	0.014887	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp: Grid: Ref.	Disp: Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-23.00000	-36.00000	99.75000	0.0	0.0	0.014101	*
				-22.00000	-36.00000	99.75000	0.0	0.0	0.013255	*
				-21.00000	-36.00000	99.75000	0.0	0.0	0.012356	*
				-20.00000	-36.00000	99.75000	0.0	0.0	0.011409	*
				-19.00000	-36.00000	99.75000	0.0	0.0	0.010422	*
				-18.00000	-36.00000	99.75000	0.0	0.0	0.0094003	*
				-17.00000	-36.00000	99.75000	0.0	0.0	0.0083528	*
				-16.00000	-36.00000	99.75000	0.0	0.0	0.0072869	*
				-15.00000	-36.00000	99.75000	0.0	0.0	0.0062104	*
				-14.00000	-36.00000	99.75000	0.0	0.0	0.0051315	*
				-13.00000	-36.00000	99.75000	0.0	0.0	0.0040581	*
				-12.00000	-36.00000	99.75000	0.0	0.0	0.0029979	*
				-11.00000	-36.00000	99.75000	0.0	0.0	0.0019586	*
				-10.00000	-36.00000	99.75000	0.0	0.0	947.07E-6	*
				-9.00000	-36.00000	99.75000	0.0	0.0	-30.014E-6	*
				-8.00000	-36.00000	99.75000	0.0	0.0	-966.72E-6	*
				-7.00000	-36.00000	99.75000	0.0	0.0	-0.0018578	*
				-6.00000	-36.00000	99.75000	0.0	0.0	-0.0026985	*
				-5.00000	-36.00000	99.75000	0.0	0.0	-0.0034853	*
				-4.00000	-36.00000	99.75000	0.0	0.0	-0.0042150	*
				-3.00000	-36.00000	99.75000	0.0	0.0	-0.0048855	*
				-2.00000	-36.00000	99.75000	0.0	0.0	-0.0054953	*
				-1.00000	-36.00000	99.75000	0.0	0.0	-0.0060438	*
				0.00000	-36.00000	99.75000	0.0	0.0	-0.0065309	*
				1.00000	-36.00000	99.75000	0.0	0.0	0.0	
				2.00000	-36.00000	99.75000	0.0	0.0	0.0	
				3.00000	-36.00000	99.75000	0.0	0.0	0.0	
				4.00000	-36.00000	99.75000	0.0	0.0	0.0	
				5.00000	-36.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-35.00000	99.75000	0.0	0.0	0.019655	*
				-39.00000	-35.00000	99.75000	0.0	0.0	0.019989	*
				-38.00000	-35.00000	99.75000	0.0	0.0	0.020270	*
				-37.00000	-35.00000	99.75000	0.0	0.0	0.020494	*
				-36.00000	-35.00000	99.75000	0.0	0.0	0.020655	*
				-35.00000	-35.00000	99.75000	0.0	0.0	0.020747	*
				-34.00000	-35.00000	99.75000	0.0	0.0	0.020768	*
				-33.00000	-35.00000	99.75000	0.0	0.0	0.020712	*
				-32.00000	-35.00000	99.75000	0.0	0.0	0.020576	*
				-31.00000	-35.00000	99.75000	0.0	0.0	0.020358	*
				-30.00000	-35.00000	99.75000	0.0	0.0	0.020056	*
				-29.00000	-35.00000	99.75000	0.0	0.0	0.019669	*
				-28.00000	-35.00000	99.75000	0.0	0.0	0.019195	*
				-27.00000	-35.00000	99.75000	0.0	0.0	0.018637	*
				-26.00000	-35.00000	99.75000	0.0	0.0	0.017995	*
				-25.00000	-35.00000	99.75000	0.0	0.0	0.017273	*
				-24.00000	-35.00000	99.75000	0.0	0.0	0.016474	*
				-23.00000	-35.00000	99.75000	0.0	0.0	0.015601	*
				-22.00000	-35.00000	99.75000	0.0	0.0	0.014662	*
				-21.00000	-35.00000	99.75000	0.0	0.0	0.013660	*
				-20.00000	-35.00000	99.75000	0.0	0.0	0.012605	*
				-19.00000	-35.00000	99.75000	0.0	0.0	0.011503	*
				-18.00000	-35.00000	99.75000	0.0	0.0	0.010362	*
				-17.00000	-35.00000	99.75000	0.0	0.0	0.0091909	*
				-16.00000	-35.00000	99.75000	0.0	0.0	0.0079989	*
				-15.00000	-35.00000	99.75000	0.0	0.0	0.0067952	*
				-14.00000	-35.00000	99.75000	0.0	0.0	0.0055889	*
				-13.00000	-35.00000	99.75000	0.0	0.0	0.0043892	*
				-12.00000	-35.00000	99.75000	0.0	0.0	0.0032052	*
				-11.00000	-35.00000	99.75000	0.0	0.0	0.0020455	*
				-10.00000	-35.00000	99.75000	0.0	0.0	918.16E-6	*
				-9.00000	-35.00000	99.75000	0.0	0.0	-169.18E-6	*
				-8.00000	-35.00000	99.75000	0.0	0.0	-0.0012097	*
				-7.00000	-35.00000	99.75000	0.0	0.0	-0.0021975	*
				-6.00000	-35.00000	99.75000	0.0	0.0	-0.0031272	*
				-5.00000	-35.00000	99.75000	0.0	0.0	-0.0039948	*
				-4.00000	-35.00000	99.75000	0.0	0.0	-0.0047968	*
				-3.00000	-35.00000	99.75000	0.0	0.0	-0.0055309	*
				-2.00000	-35.00000	99.75000	0.0	0.0	-0.0061957	*
				-1.00000	-35.00000	99.75000	0.0	0.0	-0.0067906	*
				0.00000	-35.00000	99.75000	0.0	0.0	-0.0073159	*
				1.00000	-35.00000	99.75000	0.0	0.0	0.0	
				2.00000	-35.00000	99.75000	0.0	0.0	0.0	
				3.00000	-35.00000	99.75000	0.0	0.0	0.0	
				4.00000	-35.00000	99.75000	0.0	0.0	0.0	
				5.00000	-35.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-34.00000	99.75000	0.0	0.0	0.021502	*
				-39.00000	-34.00000	99.75000	0.0	0.0	0.021896	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. LJ20089	Sheet No.	Rev.
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-38.00000	-34.00000	99.75000	0.0	0.0	0.022233	*
				-37.00000	-34.00000	99.75000	0.0	0.0	0.022506	*
				-36.00000	-34.00000	99.75000	0.0	0.0	0.022709	*
				-35.00000	-34.00000	99.75000	0.0	0.0	0.022837	*
				-34.00000	-34.00000	99.75000	0.0	0.0	0.022884	*
				-33.00000	-34.00000	99.75000	0.0	0.0	0.022845	*
				-32.00000	-34.00000	99.75000	0.0	0.0	0.022716	*
				-31.00000	-34.00000	99.75000	0.0	0.0	0.022494	*
				-30.00000	-34.00000	99.75000	0.0	0.0	0.022176	*
				-29.00000	-34.00000	99.75000	0.0	0.0	0.021761	*
				-28.00000	-34.00000	99.75000	0.0	0.0	0.021249	*
				-27.00000	-34.00000	99.75000	0.0	0.0	0.020640	*
				-26.00000	-34.00000	99.75000	0.0	0.0	0.019936	*
				-25.00000	-34.00000	99.75000	0.0	0.0	0.019139	*
				-24.00000	-34.00000	99.75000	0.0	0.0	0.018254	*
				-23.00000	-34.00000	99.75000	0.0	0.0	0.017286	*
				-22.00000	-34.00000	99.75000	0.0	0.0	0.016240	*
				-21.00000	-34.00000	99.75000	0.0	0.0	0.015124	*
				-20.00000	-34.00000	99.75000	0.0	0.0	0.013946	*
				-19.00000	-34.00000	99.75000	0.0	0.0	0.012714	*
				-18.00000	-34.00000	99.75000	0.0	0.0	0.011437	*
				-17.00000	-34.00000	99.75000	0.0	0.0	0.010126	*
				-16.00000	-34.00000	99.75000	0.0	0.0	0.0087914	*
				-15.00000	-34.00000	99.75000	0.0	0.0	0.0074431	*
				-14.00000	-34.00000	99.75000	0.0	0.0	0.0060922	*
				-13.00000	-34.00000	99.75000	0.0	0.0	0.0047493	*
				-12.00000	-34.00000	99.75000	0.0	0.0	0.0034249	*
				-11.00000	-34.00000	99.75000	0.0	0.0	0.0021288	*
				-10.00000	-34.00000	99.75000	0.0	0.0	870.65E-6	*
				-9.00000	-34.00000	99.75000	0.0	0.0	-341.05E-6	*
				-8.00000	-34.00000	99.75000	0.0	0.0	-0.0014984	*
				-7.00000	-34.00000	99.75000	0.0	0.0	-0.0025946	*
				-6.00000	-34.00000	99.75000	0.0	0.0	-0.0036237	*
				-5.00000	-34.00000	99.75000	0.0	0.0	-0.0045810	*
				-4.00000	-34.00000	99.75000	0.0	0.0	-0.0054630	*
				-3.00000	-34.00000	99.75000	0.0	0.0	-0.0062670	*
				-2.00000	-34.00000	99.75000	0.0	0.0	-0.0069916	*
				-1.00000	-34.00000	99.75000	0.0	0.0	-0.0076364	*
				0.00000	-34.00000	99.75000	0.0	0.0	-0.0082021	*
				1.00000	-34.00000	99.75000	0.0	0.0	0.0	*
				2.00000	-34.00000	99.75000	0.0	0.0	0.0	*
				3.00000	-34.00000	99.75000	0.0	0.0	0.0	*
				4.00000	-34.00000	99.75000	0.0	0.0	0.0	*
				5.00000	-34.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	-33.00000	99.75000	0.0	0.0	0.023535	*
				-39.00000	-33.00000	99.75000	0.0	0.0	0.024001	*
				-38.00000	-33.00000	99.75000	0.0	0.0	0.024403	*
				-37.00000	-33.00000	99.75000	0.0	0.0	0.024736	*
				-36.00000	-33.00000	99.75000	0.0	0.0	0.024991	*
				-35.00000	-33.00000	99.75000	0.0	0.0	0.025161	*
				-34.00000	-33.00000	99.75000	0.0	0.0	0.025241	*
				-33.00000	-33.00000	99.75000	0.0	0.0	0.025224	*
				-32.00000	-33.00000	99.75000	0.0	0.0	0.025106	*
				-31.00000	-33.00000	99.75000	0.0	0.0	0.024883	*
				-30.00000	-33.00000	99.75000	0.0	0.0	0.024551	*
				-29.00000	-33.00000	99.75000	0.0	0.0	0.024108	*
				-28.00000	-33.00000	99.75000	0.0	0.0	0.023554	*
				-27.00000	-33.00000	99.75000	0.0	0.0	0.022890	*
				-26.00000	-33.00000	99.75000	0.0	0.0	0.022117	*
				-25.00000	-33.00000	99.75000	0.0	0.0	0.021238	*
				-24.00000	-33.00000	99.75000	0.0	0.0	0.020257	*
				-23.00000	-33.00000	99.75000	0.0	0.0	0.019181	*
				-22.00000	-33.00000	99.75000	0.0	0.0	0.018016	*
				-21.00000	-33.00000	99.75000	0.0	0.0	0.016771	*
				-20.00000	-33.00000	99.75000	0.0	0.0	0.015453	*
				-19.00000	-33.00000	99.75000	0.0	0.0	0.014073	*
				-18.00000	-33.00000	99.75000	0.0	0.0	0.012643	*
				-17.00000	-33.00000	99.75000	0.0	0.0	0.011173	*
				-16.00000	-33.00000	99.75000	0.0	0.0	0.0096753	*
				-15.00000	-33.00000	99.75000	0.0	0.0	0.0081626	*
				-14.00000	-33.00000	99.75000	0.0	0.0	0.0066471	*
				-13.00000	-33.00000	99.75000	0.0	0.0	0.0051414	*
				-12.00000	-33.00000	99.75000	0.0	0.0	0.0036574	*
				-11.00000	-33.00000	99.75000	0.0	0.0	0.0022067	*
				-10.00000	-33.00000	99.75000	0.0	0.0	800.19E-6	*
				-9.00000	-33.00000	99.75000	0.0	0.0	-552.07E-6	*
				-8.00000	-33.00000	99.75000	0.0	0.0	-0.0018411	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-7.00000	-33.00000	99.75000	0.0	0.0	-0.0030590	*
				-6.00000	-33.00000	99.75000	0.0	0.0	-0.0041993	*
				-5.00000	-33.00000	99.75000	0.0	0.0	-0.0052565	*
				-4.00000	-33.00000	99.75000	0.0	0.0	-0.0062268	*
				-3.00000	-33.00000	99.75000	0.0	0.0	-0.0071075	*
				-2.00000	-33.00000	99.75000	0.0	0.0	-0.0078971	*
				-1.00000	-33.00000	99.75000	0.0	0.0	-0.0085955	*
				0.00000	-33.00000	99.75000	0.0	0.0	-0.0092037	*
				1.00000	-33.00000	99.75000	0.0	0.0	0.0	
				2.00000	-33.00000	99.75000	0.0	0.0	0.0	
				3.00000	-33.00000	99.75000	0.0	0.0	0.0	
				4.00000	-33.00000	99.75000	0.0	0.0	0.0	
				5.00000	-33.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-32.00000	99.75000	0.0	0.0	0.025776	*
				-39.00000	-32.00000	99.75000	0.0	0.0	0.026326	*
				-38.00000	-32.00000	99.75000	0.0	0.0	0.026807	*
				-37.00000	-32.00000	99.75000	0.0	0.0	0.027210	*
				-36.00000	-32.00000	99.75000	0.0	0.0	0.027528	*
				-35.00000	-32.00000	99.75000	0.0	0.0	0.027751	*
				-34.00000	-32.00000	99.75000	0.0	0.0	0.027872	*
				-33.00000	-32.00000	99.75000	0.0	0.0	0.027885	*
				-32.00000	-32.00000	99.75000	0.0	0.0	0.027783	*
				-31.00000	-32.00000	99.75000	0.0	0.0	0.027561	*
				-30.00000	-32.00000	99.75000	0.0	0.0	0.027216	*
				-29.00000	-32.00000	99.75000	0.0	0.0	0.026745	*
				-28.00000	-32.00000	99.75000	0.0	0.0	0.026147	*
				-27.00000	-32.00000	99.75000	0.0	0.0	0.025422	*
				-26.00000	-32.00000	99.75000	0.0	0.0	0.024573	*
				-25.00000	-32.00000	99.75000	0.0	0.0	0.023603	*
				-24.00000	-32.00000	99.75000	0.0	0.0	0.022516	*
				-23.00000	-32.00000	99.75000	0.0	0.0	0.021319	*
				-22.00000	-32.00000	99.75000	0.0	0.0	0.020019	*
				-21.00000	-32.00000	99.75000	0.0	0.0	0.018626	*
				-20.00000	-32.00000	99.75000	0.0	0.0	0.017151	*
				-19.00000	-32.00000	99.75000	0.0	0.0	0.015604	*
				-18.00000	-32.00000	99.75000	0.0	0.0	0.013998	*
				-17.00000	-32.00000	99.75000	0.0	0.0	0.012347	*
				-16.00000	-32.00000	99.75000	0.0	0.0	0.010664	*
				-15.00000	-32.00000	99.75000	0.0	0.0	0.0089634	*
				-14.00000	-32.00000	99.75000	0.0	0.0	0.0072603	*
				-13.00000	-32.00000	99.75000	0.0	0.0	0.0055689	*
				-12.00000	-32.00000	99.75000	0.0	0.0	0.0039031	*
				-11.00000	-32.00000	99.75000	0.0	0.0	0.0022764	*
				-10.00000	-32.00000	99.75000	0.0	0.0	701.56E-6	*
				-9.00000	-32.00000	99.75000	0.0	0.0	-809.93E-6	*
				-8.00000	-32.00000	99.75000	0.0	0.0	-0.0022477	*
				-7.00000	-32.00000	99.75000	0.0	0.0	-0.0036026	*
				-6.00000	-32.00000	99.75000	0.0	0.0	-0.0048673	*
				-5.00000	-32.00000	99.75000	0.0	0.0	-0.0060359	*
				-4.00000	-32.00000	99.75000	0.0	0.0	-0.0071039	*
				-3.00000	-32.00000	99.75000	0.0	0.0	-0.0080685	*
				-2.00000	-32.00000	99.75000	0.0	0.0	-0.0089286	*
				-1.00000	-32.00000	99.75000	0.0	0.0	-0.0096843	*
				0.00000	-32.00000	99.75000	0.0	0.0	-0.010337	*
				1.00000	-32.00000	99.75000	0.0	0.0	0.0	
				2.00000	-32.00000	99.75000	0.0	0.0	0.0	
				3.00000	-32.00000	99.75000	0.0	0.0	0.0	
				4.00000	-32.00000	99.75000	0.0	0.0	0.0	
				5.00000	-32.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-31.00000	99.75000	0.0	0.0	0.028250	*
				-39.00000	-31.00000	99.75000	0.0	0.0	0.028898	*
				-38.00000	-31.00000	99.75000	0.0	0.0	0.029472	*
				-37.00000	-31.00000	99.75000	0.0	0.0	0.029960	*
				-36.00000	-31.00000	99.75000	0.0	0.0	0.030352	*
				-35.00000	-31.00000	99.75000	0.0	0.0	0.030640	*
				-34.00000	-31.00000	99.75000	0.0	0.0	0.030813	*
				-33.00000	-31.00000	99.75000	0.0	0.0	0.030864	*
				-32.00000	-31.00000	99.75000	0.0	0.0	0.030784	*
				-31.00000	-31.00000	99.75000	0.0	0.0	0.030569	*
				-30.00000	-31.00000	99.75000	0.0	0.0	0.030213	*
				-29.00000	-31.00000	99.75000	0.0	0.0	0.029714	*
				-28.00000	-31.00000	99.75000	0.0	0.0	0.029069	*
				-27.00000	-31.00000	99.75000	0.0	0.0	0.028280	*
				-26.00000	-31.00000	99.75000	0.0	0.0	0.027347	*
				-25.00000	-31.00000	99.75000	0.0	0.0	0.026274	*
				-24.00000	-31.00000	99.75000	0.0	0.0	0.025068	*
				-23.00000	-31.00000	99.75000	0.0	0.0	0.023734	*



**GEOTECHNICAL AND
ENVIRONMENTAL ASSOCIATES**

Job No.	Sheet No.	Rev.
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Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-22.00000	-31.00000	99.75000	0.0	0.0	0.022283	*
				-21.00000	-31.00000	99.75000	0.0	0.0	0.020724	*
				-20.00000	-31.00000	99.75000	0.0	0.0	0.019068	*
				-19.00000	-31.00000	99.75000	0.0	0.0	0.017331	*
				-18.00000	-31.00000	99.75000	0.0	0.0	0.015525	*
				-17.00000	-31.00000	99.75000	0.0	0.0	0.013667	*
				-16.00000	-31.00000	99.75000	0.0	0.0	0.011772	*
				-15.00000	-31.00000	99.75000	0.0	0.0	0.0098571	*
				-14.00000	-31.00000	99.75000	0.0	0.0	0.0079395	*
				-13.00000	-31.00000	99.75000	0.0	0.0	0.0060358	*
				-12.00000	-31.00000	99.75000	0.0	0.0	0.0041624	*
				-11.00000	-31.00000	99.75000	0.0	0.0	0.0023350	*
				-10.00000	-31.00000	99.75000	0.0	0.0	568.44E-6	*
				-9.00000	-31.00000	99.75000	0.0	0.0	-0.0011239	*
				-8.00000	-31.00000	99.75000	0.0	0.0	-0.0027299	*
				-7.00000	-31.00000	99.75000	0.0	0.0	-0.0042393	*
				-6.00000	-31.00000	99.75000	0.0	0.0	-0.0056437	*
				-5.00000	-31.00000	99.75000	0.0	0.0	-0.0069363	*
				-4.00000	-31.00000	99.75000	0.0	0.0	-0.0081124	*
				-3.00000	-31.00000	99.75000	0.0	0.0	-0.0091691	*
				-2.00000	-31.00000	99.75000	0.0	0.0	-0.010105	*
				-1.00000	-31.00000	99.75000	0.0	0.0	-0.010922	*
				0.00000	-31.00000	99.75000	0.0	0.0	-0.011621	*
				1.00000	-31.00000	99.75000	0.0	0.0	0.0	
				2.00000	-31.00000	99.75000	0.0	0.0	0.0	
				3.00000	-31.00000	99.75000	0.0	0.0	0.0	
				4.00000	-31.00000	99.75000	0.0	0.0	0.0	
				5.00000	-31.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-30.00000	99.75000	0.0	0.0	0.030981	*
				-39.00000	-30.00000	99.75000	0.0	0.0	0.031746	*
				-38.00000	-30.00000	99.75000	0.0	0.0	0.032429	*
				-37.00000	-30.00000	99.75000	0.0	0.0	0.033019	*
				-36.00000	-30.00000	99.75000	0.0	0.0	0.033503	*
				-35.00000	-30.00000	99.75000	0.0	0.0	0.033869	*
				-34.00000	-30.00000	99.75000	0.0	0.0	0.034107	*
				-33.00000	-30.00000	99.75000	0.0	0.0	0.034206	*
				-32.00000	-30.00000	99.75000	0.0	0.0	0.034158	*
				-31.00000	-30.00000	99.75000	0.0	0.0	0.033955	*
				-30.00000	-30.00000	99.75000	0.0	0.0	0.033592	*
				-29.00000	-30.00000	99.75000	0.0	0.0	0.033065	*
				-28.00000	-30.00000	99.75000	0.0	0.0	0.032371	*
				-27.00000	-30.00000	99.75000	0.0	0.0	0.031511	*
				-26.00000	-30.00000	99.75000	0.0	0.0	0.030486	*
				-25.00000	-30.00000	99.75000	0.0	0.0	0.029300	*
				-24.00000	-30.00000	99.75000	0.0	0.0	0.027959	*
				-23.00000	-30.00000	99.75000	0.0	0.0	0.026472	*
				-22.00000	-30.00000	99.75000	0.0	0.0	0.024848	*
				-21.00000	-30.00000	99.75000	0.0	0.0	0.023100	*
				-20.00000	-30.00000	99.75000	0.0	0.0	0.021241	*
				-19.00000	-30.00000	99.75000	0.0	0.0	0.019285	*
				-18.00000	-30.00000	99.75000	0.0	0.0	0.017251	*
				-17.00000	-30.00000	99.75000	0.0	0.0	0.015156	*
				-16.00000	-30.00000	99.75000	0.0	0.0	0.013018	*
				-15.00000	-30.00000	99.75000	0.0	0.0	0.010857	*
				-14.00000	-30.00000	99.75000	0.0	0.0	0.0086937	*
				-13.00000	-30.00000	99.75000	0.0	0.0	0.0065467	*
				-12.00000	-30.00000	99.75000	0.0	0.0	0.0044355	*
				-11.00000	-30.00000	99.75000	0.0	0.0	0.0023786	*
				-10.00000	-30.00000	99.75000	0.0	0.0	393.20E-6	*
				-9.00000	-30.00000	99.75000	0.0	0.0	-0.0015049	*
				-8.00000	-30.00000	99.75000	0.0	0.0	-0.0033019	*
				-7.00000	-30.00000	99.75000	0.0	0.0	-0.0049859	*
				-6.00000	-30.00000	99.75000	0.0	0.0	-0.0065471	*
				-5.00000	-30.00000	99.75000	0.0	0.0	-0.0079781	*
				-4.00000	-30.00000	99.75000	0.0	0.0	-0.0092739	*
				-3.00000	-30.00000	99.75000	0.0	0.0	-0.010431	*
				-2.00000	-30.00000	99.75000	0.0	0.0	-0.011450	*
				-1.00000	-30.00000	99.75000	0.0	0.0	-0.012331	*
				0.00000	-30.00000	99.75000	0.0	0.0	-0.013078	*
				1.00000	-30.00000	99.75000	0.0	0.0	0.0	
				2.00000	-30.00000	99.75000	0.0	0.0	0.0	
				3.00000	-30.00000	99.75000	0.0	0.0	0.0	
				4.00000	-30.00000	99.75000	0.0	0.0	0.0	
				5.00000	-30.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-29.00000	99.75000	0.0	0.0	0.034000	*
				-39.00000	-29.00000	99.75000	0.0	0.0	0.034903	*
				-38.00000	-29.00000	99.75000	0.0	0.0	0.035717	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-37.00000	-29.00000	99.75000	0.0	0.0	0.036428	*
				-36.00000	-29.00000	99.75000	0.0	0.0	0.037022	*
				-35.00000	-29.00000	99.75000	0.0	0.0	0.037485	*
				-34.00000	-29.00000	99.75000	0.0	0.0	0.037802	*
				-33.00000	-29.00000	99.75000	0.0	0.0	0.037964	*
				-32.00000	-29.00000	99.75000	0.0	0.0	0.037958	*
				-31.00000	-29.00000	99.75000	0.0	0.0	0.037775	*
				-30.00000	-29.00000	99.75000	0.0	0.0	0.037410	*
				-29.00000	-29.00000	99.75000	0.0	0.0	0.036856	*
				-28.00000	-29.00000	99.75000	0.0	0.0	0.036110	*
				-27.00000	-29.00000	99.75000	0.0	0.0	0.035174	*
				-26.00000	-29.00000	99.75000	0.0	0.0	0.034047	*
				-25.00000	-29.00000	99.75000	0.0	0.0	0.032735	*
				-24.00000	-29.00000	99.75000	0.0	0.0	0.031244	*
				-23.00000	-29.00000	99.75000	0.0	0.0	0.029583	*
				-22.00000	-29.00000	99.75000	0.0	0.0	0.027765	*
				-21.00000	-29.00000	99.75000	0.0	0.0	0.025801	*
				-20.00000	-29.00000	99.75000	0.0	0.0	0.023708	*
				-19.00000	-29.00000	99.75000	0.0	0.0	0.021504	*
				-18.00000	-29.00000	99.75000	0.0	0.0	0.019208	*
				-17.00000	-29.00000	99.75000	0.0	0.0	0.016841	*
				-16.00000	-29.00000	99.75000	0.0	0.0	0.014424	*
				-15.00000	-29.00000	99.75000	0.0	0.0	0.011981	*
				-14.00000	-29.00000	99.75000	0.0	0.0	0.0095340	*
				-13.00000	-29.00000	99.75000	0.0	0.0	0.0071071	*
				-12.00000	-29.00000	99.75000	0.0	0.0	0.0047228	*
				-11.00000	-29.00000	99.75000	0.0	0.0	0.0024025	*
				-10.00000	-29.00000	99.75000	0.0	0.0	166.59E-6	*
				-9.00000	-29.00000	99.75000	0.0	0.0	-0.0019666	*
				-8.00000	-29.00000	99.75000	0.0	0.0	-0.0039808	*
				-7.00000	-29.00000	99.75000	0.0	0.0	-0.0058623	*
				-6.00000	-29.00000	99.75000	0.0	0.0	-0.0076001	*
				-5.00000	-29.00000	99.75000	0.0	0.0	-0.0091858	*
				-4.00000	-29.00000	99.75000	0.0	0.0	-0.010614	*
				-3.00000	-29.00000	99.75000	0.0	0.0	-0.011882	*
				-2.00000	-29.00000	99.75000	0.0	0.0	-0.012989	*
				-1.00000	-29.00000	99.75000	0.0	0.0	-0.013938	*
				0.00000	-29.00000	99.75000	0.0	0.0	-0.014733	*
				1.00000	-29.00000	99.75000	0.0	0.0	0.0	
				2.00000	-29.00000	99.75000	0.0	0.0	0.0	
				3.00000	-29.00000	99.75000	0.0	0.0	0.0	
				4.00000	-29.00000	99.75000	0.0	0.0	0.0	
				5.00000	-29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-28.00000	99.75000	0.0	0.0	0.037341	*
				-39.00000	-28.00000	99.75000	0.0	0.0	0.038407	*
				-38.00000	-28.00000	99.75000	0.0	0.0	0.039377	*
				-37.00000	-28.00000	99.75000	0.0	0.0	0.040234	*
				-36.00000	-28.00000	99.75000	0.0	0.0	0.040961	*
				-35.00000	-28.00000	99.75000	0.0	0.0	0.041541	*
				-34.00000	-28.00000	99.75000	0.0	0.0	0.041958	*
				-33.00000	-28.00000	99.75000	0.0	0.0	0.042198	*
				-32.00000	-28.00000	99.75000	0.0	0.0	0.042247	*
				-31.00000	-28.00000	99.75000	0.0	0.0	0.042095	*
				-30.00000	-28.00000	99.75000	0.0	0.0	0.041733	*
				-29.00000	-28.00000	99.75000	0.0	0.0	0.041155	*
				-28.00000	-28.00000	99.75000	0.0	0.0	0.040357	*
				-27.00000	-28.00000	99.75000	0.0	0.0	0.039337	*
				-26.00000	-28.00000	99.75000	0.0	0.0	0.038099	*
				-25.00000	-28.00000	99.75000	0.0	0.0	0.036646	*
				-24.00000	-28.00000	99.75000	0.0	0.0	0.034986	*
				-23.00000	-28.00000	99.75000	0.0	0.0	0.033130	*
				-22.00000	-28.00000	99.75000	0.0	0.0	0.031089	*
				-21.00000	-28.00000	99.75000	0.0	0.0	0.028880	*
				-20.00000	-28.00000	99.75000	0.0	0.0	0.026521	*
				-19.00000	-28.00000	99.75000	0.0	0.0	0.024032	*
				-18.00000	-28.00000	99.75000	0.0	0.0	0.021435	*
				-17.00000	-28.00000	99.75000	0.0	0.0	0.018754	*
				-16.00000	-28.00000	99.75000	0.0	0.0	0.016016	*
				-15.00000	-28.00000	99.75000	0.0	0.0	0.013246	*
				-14.00000	-28.00000	99.75000	0.0	0.0	0.010473	*
				-13.00000	-28.00000	99.75000	0.0	0.0	0.0077237	*
				-12.00000	-28.00000	99.75000	0.0	0.0	0.0050244	*
				-11.00000	-28.00000	99.75000	0.0	0.0	0.0024010	*
				-10.00000	-28.00000	99.75000	0.0	0.0	-122.60E-6	*
				-9.00000	-28.00000	99.75000	0.0	0.0	-0.0025249	*
				-8.00000	-28.00000	99.75000	0.0	0.0	-0.0047868	*
				-7.00000	-28.00000	99.75000	0.0	0.0	-0.0068926	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-6.00000	-28.00000	99.75000	0.0	0.0	-0.0088294	*
				-5.00000	-28.00000	99.75000	0.0	0.0	-0.010588	*
				-4.00000	-28.00000	99.75000	0.0	0.0	-0.012163	*
				-3.00000	-28.00000	99.75000	0.0	0.0	-0.013551	*
				-2.00000	-28.00000	99.75000	0.0	0.0	-0.014753	*
				-1.00000	-28.00000	99.75000	0.0	0.0	-0.015773	*
				0.00000	-28.00000	99.75000	0.0	0.0	-0.016616	*
				1.00000	-28.00000	99.75000	0.0	0.0	0.0	
				2.00000	-28.00000	99.75000	0.0	0.0	0.0	
				3.00000	-28.00000	99.75000	0.0	0.0	0.0	
				4.00000	-28.00000	99.75000	0.0	0.0	0.0	
				5.00000	-28.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-27.00000	99.75000	0.0	0.0	0.041041	*
				-39.00000	-27.00000	99.75000	0.0	0.0	0.042301	*
				-38.00000	-27.00000	99.75000	0.0	0.0	0.043457	*
				-37.00000	-27.00000	99.75000	0.0	0.0	0.044489	*
				-36.00000	-27.00000	99.75000	0.0	0.0	0.045377	*
				-35.00000	-27.00000	99.75000	0.0	0.0	0.046101	*
				-34.00000	-27.00000	99.75000	0.0	0.0	0.046641	*
				-33.00000	-27.00000	99.75000	0.0	0.0	0.046980	*
				-32.00000	-27.00000	99.75000	0.0	0.0	0.047102	*
				-31.00000	-27.00000	99.75000	0.0	0.0	0.046993	*
				-30.00000	-27.00000	99.75000	0.0	0.0	0.046643	*
				-29.00000	-27.00000	99.75000	0.0	0.0	0.046044	*
				-28.00000	-27.00000	99.75000	0.0	0.0	0.045192	*
				-27.00000	-27.00000	99.75000	0.0	0.0	0.044084	*
				-26.00000	-27.00000	99.75000	0.0	0.0	0.042722	*
				-25.00000	-27.00000	99.75000	0.0	0.0	0.041112	*
				-24.00000	-27.00000	99.75000	0.0	0.0	0.039263	*
				-23.00000	-27.00000	99.75000	0.0	0.0	0.037184	*
				-22.00000	-27.00000	99.75000	0.0	0.0	0.034892	*
				-21.00000	-27.00000	99.75000	0.0	0.0	0.032403	*
				-20.00000	-27.00000	99.75000	0.0	0.0	0.029738	*
				-19.00000	-27.00000	99.75000	0.0	0.0	0.026921	*
				-18.00000	-27.00000	99.75000	0.0	0.0	0.023977	*
				-17.00000	-27.00000	99.75000	0.0	0.0	0.020935	*
				-16.00000	-27.00000	99.75000	0.0	0.0	0.017825	*
				-15.00000	-27.00000	99.75000	0.0	0.0	0.014679	*
				-14.00000	-27.00000	99.75000	0.0	0.0	0.011528	*
				-13.00000	-27.00000	99.75000	0.0	0.0	0.0084043	*
				-12.00000	-27.00000	99.75000	0.0	0.0	0.0053408	*
				-11.00000	-27.00000	99.75000	0.0	0.0	0.0023672	*
				-10.00000	-27.00000	99.75000	0.0	0.0	-488.02E-6	*
				-9.00000	-27.00000	99.75000	0.0	0.0	-0.0031995	*
				-8.00000	-27.00000	99.75000	0.0	0.0	-0.0057449	*
				-7.00000	-27.00000	99.75000	0.0	0.0	-0.0081057	*
				-6.00000	-27.00000	99.75000	0.0	0.0	-0.010267	*
				-5.00000	-27.00000	99.75000	0.0	0.0	-0.012220	*
				-4.00000	-27.00000	99.75000	0.0	0.0	-0.013957	*
				-3.00000	-27.00000	99.75000	0.0	0.0	-0.015476	*
				-2.00000	-27.00000	99.75000	0.0	0.0	-0.016779	*
				-1.00000	-27.00000	99.75000	0.0	0.0	-0.017872	*
				0.00000	-27.00000	99.75000	0.0	0.0	-0.018760	*
				1.00000	-27.00000	99.75000	0.0	0.0	0.0	
				2.00000	-27.00000	99.75000	0.0	0.0	0.0	
				3.00000	-27.00000	99.75000	0.0	0.0	0.0	
				4.00000	-27.00000	99.75000	0.0	0.0	0.0	
				5.00000	-27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-26.00000	99.75000	0.0	0.0	0.045144	*
				-39.00000	-26.00000	99.75000	0.0	0.0	0.046634	*
				-38.00000	-26.00000	99.75000	0.0	0.0	0.048012	*
				-37.00000	-26.00000	99.75000	0.0	0.0	0.049256	*
				-36.00000	-26.00000	99.75000	0.0	0.0	0.050340	*
				-35.00000	-26.00000	99.75000	0.0	0.0	0.051240	*
				-34.00000	-26.00000	99.75000	0.0	0.0	0.051932	*
				-33.00000	-26.00000	99.75000	0.0	0.0	0.052396	*
				-32.00000	-26.00000	99.75000	0.0	0.0	0.052611	*
				-31.00000	-26.00000	99.75000	0.0	0.0	0.052562	*
				-30.00000	-26.00000	99.75000	0.0	0.0	0.052235	*
				-29.00000	-26.00000	99.75000	0.0	0.0	0.051621	*
				-28.00000	-26.00000	99.75000	0.0	0.0	0.050713	*
				-27.00000	-26.00000	99.75000	0.0	0.0	0.049510	*
				-26.00000	-26.00000	99.75000	0.0	0.0	0.048014	*
				-25.00000	-26.00000	99.75000	0.0	0.0	0.046229	*
				-24.00000	-26.00000	99.75000	0.0	0.0	0.044165	*
				-23.00000	-26.00000	99.75000	0.0	0.0	0.041835	*
				-22.00000	-26.00000	99.75000	0.0	0.0	0.039256	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-21.00000	-26.00000	99.75000	0.0	0.0	0.036446	*
				-20.00000	-26.00000	99.75000	0.0	0.0	0.033431	*
				-19.00000	-26.00000	99.75000	0.0	0.0	0.030236	*
				-18.00000	-26.00000	99.75000	0.0	0.0	0.026892	*
				-17.00000	-26.00000	99.75000	0.0	0.0	0.023432	*
				-16.00000	-26.00000	99.75000	0.0	0.0	0.019891	*
				-15.00000	-26.00000	99.75000	0.0	0.0	0.016306	*
				-14.00000	-26.00000	99.75000	0.0	0.0	0.012716	*
				-13.00000	-26.00000	99.75000	0.0	0.0	0.0091588	*
				-12.00000	-26.00000	99.75000	0.0	0.0	0.0056722	*
				-11.00000	-26.00000	99.75000	0.0	0.0	0.0022926	*
				-10.00000	-26.00000	99.75000	0.0	0.0	-946.28E-6	*
				-9.00000	-26.00000	99.75000	0.0	0.0	-0.0040142	*
				-8.00000	-26.00000	99.75000	0.0	0.0	-0.0068849	*
				-7.00000	-26.00000	99.75000	0.0	0.0	-0.0095368	*
				-6.00000	-26.00000	99.75000	0.0	0.0	-0.011953	*
				-5.00000	-26.00000	99.75000	0.0	0.0	-0.014123	*
				-4.00000	-26.00000	99.75000	0.0	0.0	-0.016039	*
				-3.00000	-26.00000	99.75000	0.0	0.0	-0.017701	*
				-2.00000	-26.00000	99.75000	0.0	0.0	-0.019111	*
				-1.00000	-26.00000	99.75000	0.0	0.0	-0.020276	*
				0.00000	-26.00000	99.75000	0.0	0.0	-0.021208	*
				1.00000	-26.00000	99.75000	0.0	0.0	0.0	
				2.00000	-26.00000	99.75000	0.0	0.0	0.0	
				3.00000	-26.00000	99.75000	0.0	0.0	0.0	
				4.00000	-26.00000	99.75000	0.0	0.0	0.0	
				5.00000	-26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-25.00000	99.75000	0.0	0.0	0.049699	*
				-39.00000	-25.00000	99.75000	0.0	0.0	0.051462	*
				-38.00000	-25.00000	99.75000	0.0	0.0	0.053108	*
				-37.00000	-25.00000	99.75000	0.0	0.0	0.054606	*
				-36.00000	-25.00000	99.75000	0.0	0.0	0.055928	*
				-35.00000	-25.00000	99.75000	0.0	0.0	0.057044	*
				-34.00000	-25.00000	99.75000	0.0	0.0	0.057925	*
				-33.00000	-25.00000	99.75000	0.0	0.0	0.058545	*
				-32.00000	-25.00000	99.75000	0.0	0.0	0.058881	*
				-31.00000	-25.00000	99.75000	0.0	0.0	0.058913	*
				-30.00000	-25.00000	99.75000	0.0	0.0	0.058623	*
				-29.00000	-25.00000	99.75000	0.0	0.0	0.058002	*
				-28.00000	-25.00000	99.75000	0.0	0.0	0.057040	*
				-27.00000	-25.00000	99.75000	0.0	0.0	0.055735	*
				-26.00000	-25.00000	99.75000	0.0	0.0	0.054090	*
				-25.00000	-25.00000	99.75000	0.0	0.0	0.052110	*
				-24.00000	-25.00000	99.75000	0.0	0.0	0.049805	*
				-23.00000	-25.00000	99.75000	0.0	0.0	0.047190	*
				-22.00000	-25.00000	99.75000	0.0	0.0	0.044282	*
				-21.00000	-25.00000	99.75000	0.0	0.0	0.041106	*
				-20.00000	-25.00000	99.75000	0.0	0.0	0.037687	*
				-19.00000	-25.00000	99.75000	0.0	0.0	0.034057	*
				-18.00000	-25.00000	99.75000	0.0	0.0	0.030249	*
				-17.00000	-25.00000	99.75000	0.0	0.0	0.026304	*
				-16.00000	-25.00000	99.75000	0.0	0.0	0.022261	*
				-15.00000	-25.00000	99.75000	0.0	0.0	0.018166	*
				-14.00000	-25.00000	99.75000	0.0	0.0	0.014063	*
				-13.00000	-25.00000	99.75000	0.0	0.0	0.0099992	*
				-12.00000	-25.00000	99.75000	0.0	0.0	0.0060193	*
				-11.00000	-25.00000	99.75000	0.0	0.0	0.0021669	*
				-10.00000	-25.00000	99.75000	0.0	0.0	-0.0015177	*
				-9.00000	-25.00000	99.75000	0.0	0.0	-0.0049983	*
				-8.00000	-25.00000	99.75000	0.0	0.0	-0.0082436	*
				-7.00000	-25.00000	99.75000	0.0	0.0	-0.011229	*
				-6.00000	-25.00000	99.75000	0.0	0.0	-0.013934	*
				-5.00000	-25.00000	99.75000	0.0	0.0	-0.016347	*
				-4.00000	-25.00000	99.75000	0.0	0.0	-0.018461	*
				-3.00000	-25.00000	99.75000	0.0	0.0	-0.020277	*
				-2.00000	-25.00000	99.75000	0.0	0.0	-0.021799	*
				-1.00000	-25.00000	99.75000	0.0	0.0	-0.023037	*
				0.00000	-25.00000	99.75000	0.0	0.0	-0.024005	*
				1.00000	-25.00000	99.75000	0.0	0.0	0.0	
				2.00000	-25.00000	99.75000	0.0	0.0	0.0	
				3.00000	-25.00000	99.75000	0.0	0.0	0.0	
				4.00000	-25.00000	99.75000	0.0	0.0	0.0	
				5.00000	-25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-24.00000	99.75000	0.0	0.0	0.054761	*
				-39.00000	-24.00000	99.75000	0.0	0.0	0.056851	*
				-38.00000	-24.00000	99.75000	0.0	0.0	0.058817	*
				-37.00000	-24.00000	99.75000	0.0	0.0	0.060624	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-36.00000	-24.00000	99.75000	0.0	0.0	0.062237	*
				-35.00000	-24.00000	99.75000	0.0	0.0	0.063618	*
				-34.00000	-24.00000	99.75000	0.0	0.0	0.064733	*
				-33.00000	-24.00000	99.75000	0.0	0.0	0.065551	*
				-32.00000	-24.00000	99.75000	0.0	0.0	0.066041	*
				-31.00000	-24.00000	99.75000	0.0	0.0	0.066179	*
				-30.00000	-24.00000	99.75000	0.0	0.0	0.065946	*
				-29.00000	-24.00000	99.75000	0.0	0.0	0.065327	*
				-28.00000	-24.00000	99.75000	0.0	0.0	0.064313	*
				-27.00000	-24.00000	99.75000	0.0	0.0	0.062901	*
				-26.00000	-24.00000	99.75000	0.0	0.0	0.061092	*
				-25.00000	-24.00000	99.75000	0.0	0.0	0.058893	*
				-24.00000	-24.00000	99.75000	0.0	0.0	0.056316	*
				-23.00000	-24.00000	99.75000	0.0	0.0	0.053377	*
				-22.00000	-24.00000	99.75000	0.0	0.0	0.050095	*
				-21.00000	-24.00000	99.75000	0.0	0.0	0.046497	*
				-20.00000	-24.00000	99.75000	0.0	0.0	0.042614	*
				-19.00000	-24.00000	99.75000	0.0	0.0	0.038479	*
				-18.00000	-24.00000	99.75000	0.0	0.0	0.034134	*
				-17.00000	-24.00000	99.75000	0.0	0.0	0.029622	*
				-16.00000	-24.00000	99.75000	0.0	0.0	0.024994	*
				-15.00000	-24.00000	99.75000	0.0	0.0	0.020302	*
				-14.00000	-24.00000	99.75000	0.0	0.0	0.015599	*
				-13.00000	-24.00000	99.75000	0.0	0.0	0.010941	*
				-12.00000	-24.00000	99.75000	0.0	0.0	0.0063831	*
				-11.00000	-24.00000	99.75000	0.0	0.0	0.0019775	*
				-10.00000	-24.00000	99.75000	0.0	0.0	-0.0022272	*
				-9.00000	-24.00000	99.75000	0.0	0.0	-0.0061874	*
				-8.00000	-24.00000	99.75000	0.0	0.0	-0.0098661	*
				-7.00000	-24.00000	99.75000	0.0	0.0	-0.013233	*
				-6.00000	-24.00000	99.75000	0.0	0.0	-0.016267	*
				-5.00000	-24.00000	99.75000	0.0	0.0	-0.018954	*
				-4.00000	-24.00000	99.75000	0.0	0.0	-0.021287	*
				-3.00000	-24.00000	99.75000	0.0	0.0	-0.023268	*
				-2.00000	-24.00000	99.75000	0.0	0.0	-0.024905	*
				-1.00000	-24.00000	99.75000	0.0	0.0	-0.026212	*
				0.00000	-24.00000	99.75000	0.0	0.0	-0.027208	*
				1.00000	-24.00000	99.75000	0.0	0.0	0.0	
				2.00000	-24.00000	99.75000	0.0	0.0	0.0	
				3.00000	-24.00000	99.75000	0.0	0.0	0.0	
				4.00000	-24.00000	99.75000	0.0	0.0	0.0	
				5.00000	-24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-23.00000	99.75000	0.0	0.0	0.060393	*
				-39.00000	-23.00000	99.75000	0.0	0.0	0.062875	*
				-38.00000	-23.00000	99.75000	0.0	0.0	0.065228	*
				-37.00000	-23.00000	99.75000	0.0	0.0	0.067410	*
				-36.00000	-23.00000	99.75000	0.0	0.0	0.069377	*
				-35.00000	-23.00000	99.75000	0.0	0.0	0.071086	*
				-34.00000	-23.00000	99.75000	0.0	0.0	0.072492	*
				-33.00000	-23.00000	99.75000	0.0	0.0	0.073557	*
				-32.00000	-23.00000	99.75000	0.0	0.0	0.074244	*
				-31.00000	-23.00000	99.75000	0.0	0.0	0.074523	*
				-30.00000	-23.00000	99.75000	0.0	0.0	0.074369	*
				-29.00000	-23.00000	99.75000	0.0	0.0	0.073767	*
				-28.00000	-23.00000	99.75000	0.0	0.0	0.072705	*
				-27.00000	-23.00000	99.75000	0.0	0.0	0.071178	*
				-26.00000	-23.00000	99.75000	0.0	0.0	0.069190	*
				-25.00000	-23.00000	99.75000	0.0	0.0	0.066748	*
				-24.00000	-23.00000	99.75000	0.0	0.0	0.063863	*
				-23.00000	-23.00000	99.75000	0.0	0.0	0.060555	*
				-22.00000	-23.00000	99.75000	0.0	0.0	0.056846	*
				-21.00000	-23.00000	99.75000	0.0	0.0	0.052764	*
				-20.00000	-23.00000	99.75000	0.0	0.0	0.048343	*
				-19.00000	-23.00000	99.75000	0.0	0.0	0.043624	*
				-18.00000	-23.00000	99.75000	0.0	0.0	0.038652	*
				-17.00000	-23.00000	99.75000	0.0	0.0	0.033480	*
				-16.00000	-23.00000	99.75000	0.0	0.0	0.028165	*
				-15.00000	-23.00000	99.75000	0.0	0.0	0.022770	*
				-14.00000	-23.00000	99.75000	0.0	0.0	0.017361	*
				-13.00000	-23.00000	99.75000	0.0	0.0	0.012004	*
				-12.00000	-23.00000	99.75000	0.0	0.0	0.0067654	*
				-11.00000	-23.00000	99.75000	0.0	0.0	0.0017092	*
				-10.00000	-23.00000	99.75000	0.0	0.0	-0.0031054	*
				-9.00000	-23.00000	99.75000	0.0	0.0	-0.0076259	*
				-8.00000	-23.00000	99.75000	0.0	0.0	-0.011808	*
				-7.00000	-23.00000	99.75000	0.0	0.0	-0.015615	*
				-6.00000	-23.00000	99.75000	0.0	0.0	-0.019024	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-5.00000	-23.00000	99.75000	0.0	0.0	-0.022017	*
				-4.00000	-23.00000	99.75000	0.0	0.0	-0.024591	*
				-3.00000	-23.00000	99.75000	0.0	0.0	-0.026749	*
				-2.00000	-23.00000	99.75000	0.0	0.0	-0.028503	*
				-1.00000	-23.00000	99.75000	0.0	0.0	-0.029872	*
				0.00000	-23.00000	99.75000	0.0	0.0	-0.030881	*
				1.00000	-23.00000	99.75000	0.0	0.0	0.0	
				2.00000	-23.00000	99.75000	0.0	0.0	0.0	
				3.00000	-23.00000	99.75000	0.0	0.0	0.0	
				4.00000	-23.00000	99.75000	0.0	0.0	0.0	
				5.00000	-23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-22.00000	99.75000	0.0	0.0	0.066667	*
				-39.00000	-22.00000	99.75000	0.0	0.0	0.069619	*
				-38.00000	-22.00000	99.75000	0.0	0.0	0.072440	*
				-37.00000	-22.00000	99.75000	0.0	0.0	0.075080	*
				-36.00000	-22.00000	99.75000	0.0	0.0	0.077484	*
				-35.00000	-22.00000	99.75000	0.0	0.0	0.079597	*
				-34.00000	-22.00000	99.75000	0.0	0.0	0.081367	*
				-33.00000	-22.00000	99.75000	0.0	0.0	0.082742	*
				-32.00000	-22.00000	99.75000	0.0	0.0	0.083680	*
				-31.00000	-22.00000	99.75000	0.0	0.0	0.084142	*
				-30.00000	-22.00000	99.75000	0.0	0.0	0.084099	*
				-29.00000	-22.00000	99.75000	0.0	0.0	0.083531	*
				-28.00000	-22.00000	99.75000	0.0	0.0	0.082426	*
				-27.00000	-22.00000	99.75000	0.0	0.0	0.080779	*
				-26.00000	-22.00000	99.75000	0.0	0.0	0.078593	*
				-25.00000	-22.00000	99.75000	0.0	0.0	0.075878	*
				-24.00000	-22.00000	99.75000	0.0	0.0	0.072646	*
				-23.00000	-22.00000	99.75000	0.0	0.0	0.068919	*
				-22.00000	-22.00000	99.75000	0.0	0.0	0.064720	*
				-21.00000	-22.00000	99.75000	0.0	0.0	0.060081	*
				-20.00000	-22.00000	99.75000	0.0	0.0	0.055039	*
				-19.00000	-22.00000	99.75000	0.0	0.0	0.049641	*
				-18.00000	-22.00000	99.75000	0.0	0.0	0.043937	*
				-17.00000	-22.00000	99.75000	0.0	0.0	0.037990	*
				-16.00000	-22.00000	99.75000	0.0	0.0	0.031868	*
				-15.00000	-22.00000	99.75000	0.0	0.0	0.025644	*
				-14.00000	-22.00000	99.75000	0.0	0.0	0.019399	*
				-13.00000	-22.00000	99.75000	0.0	0.0	0.013214	*
				-12.00000	-22.00000	99.75000	0.0	0.0	0.0071690	*
				-11.00000	-22.00000	99.75000	0.0	0.0	0.0013436	*
				-10.00000	-22.00000	99.75000	0.0	0.0	-0.0041903	*
				-9.00000	-22.00000	99.75000	0.0	0.0	-0.0093685	*
				-8.00000	-22.00000	99.75000	0.0	0.0	-0.014137	*
				-7.00000	-22.00000	99.75000	0.0	0.0	-0.018454	*
				-6.00000	-22.00000	99.75000	0.0	0.0	-0.022290	*
				-5.00000	-22.00000	99.75000	0.0	0.0	-0.025629	*
				-4.00000	-22.00000	99.75000	0.0	0.0	-0.028467	*
				-3.00000	-22.00000	99.75000	0.0	0.0	-0.030811	*
				-2.00000	-22.00000	99.75000	0.0	0.0	-0.032680	*
				-1.00000	-22.00000	99.75000	0.0	0.0	-0.034099	*
				0.00000	-22.00000	99.75000	0.0	0.0	-0.035101	*
				1.00000	-22.00000	99.75000	0.0	0.0	0.0	
				2.00000	-22.00000	99.75000	0.0	0.0	0.0	
				3.00000	-22.00000	99.75000	0.0	0.0	0.0	
				4.00000	-22.00000	99.75000	0.0	0.0	0.0	
				5.00000	-22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-21.00000	99.75000	0.0	0.0	0.073664	*
				-39.00000	-21.00000	99.75000	0.0	0.0	0.077182	*
				-38.00000	-21.00000	99.75000	0.0	0.0	0.080573	*
				-37.00000	-21.00000	99.75000	0.0	0.0	0.083773	*
				-36.00000	-21.00000	99.75000	0.0	0.0	0.086715	*
				-35.00000	-21.00000	99.75000	0.0	0.0	0.089332	*
				-34.00000	-21.00000	99.75000	0.0	0.0	0.091556	*
				-33.00000	-21.00000	99.75000	0.0	0.0	0.093323	*
				-32.00000	-21.00000	99.75000	0.0	0.0	0.094580	*
				-31.00000	-21.00000	99.75000	0.0	0.0	0.095279	*
				-30.00000	-21.00000	99.75000	0.0	0.0	0.095386	*
				-29.00000	-21.00000	99.75000	0.0	0.0	0.094875	*
				-28.00000	-21.00000	99.75000	0.0	0.0	0.093735	*
				-27.00000	-21.00000	99.75000	0.0	0.0	0.091961	*
				-26.00000	-21.00000	99.75000	0.0	0.0	0.089558	*
				-25.00000	-21.00000	99.75000	0.0	0.0	0.086536	*
				-24.00000	-21.00000	99.75000	0.0	0.0	0.082913	*
				-23.00000	-21.00000	99.75000	0.0	0.0	0.078708	*
				-22.00000	-21.00000	99.75000	0.0	0.0	0.073949	*
				-21.00000	-21.00000	99.75000	0.0	0.0	0.068669	*

9 Lyndhurst Terrace, London

Ground Movement Assessment

Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-20.00000	-21.00000	99.75000	0.0	0.0	0.062910	*
				-19.00000	-21.00000	99.75000	0.0	0.0	0.056720	*
				-18.00000	-21.00000	99.75000	0.0	0.0	0.050160	*
				-17.00000	-21.00000	99.75000	0.0	0.0	0.043300	*
				-16.00000	-21.00000	99.75000	0.0	0.0	0.036223	*
				-15.00000	-21.00000	99.75000	0.0	0.0	0.029016	*
				-14.00000	-21.00000	99.75000	0.0	0.0	0.021776	*
				-13.00000	-21.00000	99.75000	0.0	0.0	0.014604	*
				-12.00000	-21.00000	99.75000	0.0	0.0	0.0075990	*
				-11.00000	-21.00000	99.75000	0.0	0.0	858.26E-6	*
				-10.00000	-21.00000	99.75000	0.0	0.0	-0.0055290	*
				-9.00000	-21.00000	99.75000	0.0	0.0	-0.011484	*
				-8.00000	-21.00000	99.75000	0.0	0.0	-0.016941	*
				-7.00000	-21.00000	99.75000	0.0	0.0	-0.021849	*
				-6.00000	-21.00000	99.75000	0.0	0.0	-0.026175	*
				-5.00000	-21.00000	99.75000	0.0	0.0	-0.029902	*
				-4.00000	-21.00000	99.75000	0.0	0.0	-0.033028	*
				-3.00000	-21.00000	99.75000	0.0	0.0	-0.035567	*
				-2.00000	-21.00000	99.75000	0.0	0.0	-0.037543	*
				-1.00000	-21.00000	99.75000	0.0	0.0	-0.038992	*
				0.00000	-21.00000	99.75000	0.0	0.0	-0.039958	*
				1.00000	-21.00000	99.75000	0.0	0.0	0.0	
				2.00000	-21.00000	99.75000	0.0	0.0	0.0	
				3.00000	-21.00000	99.75000	0.0	0.0	0.0	
				4.00000	-21.00000	99.75000	0.0	0.0	0.0	
				5.00000	-21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-20.00000	99.75000	0.0	0.0	0.081475	*
				-39.00000	-20.00000	99.75000	0.0	0.0	0.085679	*
				-38.00000	-20.00000	99.75000	0.0	0.0	0.089765	*
				-37.00000	-20.00000	99.75000	0.0	0.0	0.093655	*
				-36.00000	-20.00000	99.75000	0.0	0.0	0.097266	*
				-35.00000	-20.00000	99.75000	0.0	0.0	0.10051	*
				-34.00000	-20.00000	99.75000	0.0	0.0	0.10331	*
				-33.00000	-20.00000	99.75000	0.0	0.0	0.10557	*
				-32.00000	-20.00000	99.75000	0.0	0.0	0.10723	*
				-31.00000	-20.00000	99.75000	0.0	0.0	0.10824	*
				-30.00000	-20.00000	99.75000	0.0	0.0	0.10854	*
				-29.00000	-20.00000	99.75000	0.0	0.0	0.10812	*
				-28.00000	-20.00000	99.75000	0.0	0.0	0.10695	*
				-27.00000	-20.00000	99.75000	0.0	0.0	0.10504	*
				-26.00000	-20.00000	99.75000	0.0	0.0	0.10240	*
				-25.00000	-20.00000	99.75000	0.0	0.0	0.099036	*
				-24.00000	-20.00000	99.75000	0.0	0.0	0.094968	*
				-23.00000	-20.00000	99.75000	0.0	0.0	0.090221	*
				-22.00000	-20.00000	99.75000	0.0	0.0	0.084823	*
				-21.00000	-20.00000	99.75000	0.0	0.0	0.078806	*
				-20.00000	-20.00000	99.75000	0.0	0.0	0.072215	*
				-19.00000	-20.00000	99.75000	0.0	0.0	0.065102	*
				-18.00000	-20.00000	99.75000	0.0	0.0	0.057537	*
				-17.00000	-20.00000	99.75000	0.0	0.0	0.049600	*
				-16.00000	-20.00000	99.75000	0.0	0.0	0.041386	*
				-15.00000	-20.00000	99.75000	0.0	0.0	0.033006	*
				-14.00000	-20.00000	99.75000	0.0	0.0	0.024576	*
				-13.00000	-20.00000	99.75000	0.0	0.0	0.016220	*
				-12.00000	-20.00000	99.75000	0.0	0.0	0.0080635	*
				-11.00000	-20.00000	99.75000	0.0	0.0	226.17E-6	*
				-10.00000	-20.00000	99.75000	0.0	0.0	-0.0071802	*
				-9.00000	-20.00000	99.75000	0.0	0.0	-0.014058	*
				-8.00000	-20.00000	99.75000	0.0	0.0	-0.020326	*
				-7.00000	-20.00000	99.75000	0.0	0.0	-0.025925	*
				-6.00000	-20.00000	99.75000	0.0	0.0	-0.030814	*
				-5.00000	-20.00000	99.75000	0.0	0.0	-0.034976	*
				-4.00000	-20.00000	99.75000	0.0	0.0	-0.038415	*
				-3.00000	-20.00000	99.75000	0.0	0.0	-0.041151	*
				-2.00000	-20.00000	99.75000	0.0	0.0	-0.043220	*
				-1.00000	-20.00000	99.75000	0.0	0.0	-0.044671	*
				0.00000	-20.00000	99.75000	0.0	0.0	-0.045560	*
				1.00000	-20.00000	99.75000	0.0	0.0	0.0	
				2.00000	-20.00000	99.75000	0.0	0.0	0.0	
				3.00000	-20.00000	99.75000	0.0	0.0	0.0	
				4.00000	-20.00000	99.75000	0.0	0.0	0.0	
				5.00000	-20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-19.00000	99.75000	0.0	0.0	0.090204	*
				-39.00000	-19.00000	99.75000	0.0	0.0	0.095241	*
				-38.00000	-19.00000	99.75000	0.0	0.0	0.10018	*
				-37.00000	-19.00000	99.75000	0.0	0.0	0.10493	*
				-36.00000	-19.00000	99.75000	0.0	0.0	0.10937	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-35.00000	-19.00000	99.75000	0.0	0.0	0.11341	*
				-34.00000	-19.00000	99.75000	0.0	0.0	0.11693	*
				-33.00000	-19.00000	99.75000	0.0	0.0	0.11982	*
				-32.00000	-19.00000	99.75000	0.0	0.0	0.12200	*
				-31.00000	-19.00000	99.75000	0.0	0.0	0.12340	*
				-30.00000	-19.00000	99.75000	0.0	0.0	0.12396	*
				-29.00000	-19.00000	99.75000	0.0	0.0	0.12366	*
				-28.00000	-19.00000	99.75000	0.0	0.0	0.12248	*
				-27.00000	-19.00000	99.75000	0.0	0.0	0.12043	*
				-26.00000	-19.00000	99.75000	0.0	0.0	0.11752	*
				-25.00000	-19.00000	99.75000	0.0	0.0	0.11377	*
				-24.00000	-19.00000	99.75000	0.0	0.0	0.10920	*
				-23.00000	-19.00000	99.75000	0.0	0.0	0.10383	*
				-22.00000	-19.00000	99.75000	0.0	0.0	0.097705	*
				-21.00000	-19.00000	99.75000	0.0	0.0	0.090843	*
				-20.00000	-19.00000	99.75000	0.0	0.0	0.083288	*
				-19.00000	-19.00000	99.75000	0.0	0.0	0.075100	*
				-18.00000	-19.00000	99.75000	0.0	0.0	0.066350	*
				-17.00000	-19.00000	99.75000	0.0	0.0	0.057134	*
				-16.00000	-19.00000	99.75000	0.0	0.0	0.047565	*
				-15.00000	-19.00000	99.75000	0.0	0.0	0.037775	*
				-14.00000	-19.00000	99.75000	0.0	0.0	0.027910	*
				-13.00000	-19.00000	99.75000	0.0	0.0	0.018125	*
				-12.00000	-19.00000	99.75000	0.0	0.0	0.0085756	*
				-11.00000	-19.00000	99.75000	0.0	0.0	-585.37E-6	*
				-10.00000	-19.00000	99.75000	0.0	0.0	-0.0092180	*
				-9.00000	-19.00000	99.75000	0.0	0.023867	-0.017200	*
				-8.00000	-19.00000	99.75000	0.0	0.037500	-0.024431	*
				-7.00000	-19.00000	99.75000	-999.90E-6	0.033866	-0.030838	*
				-6.00000	-19.00000	99.75000	-805.92E-6	0.0088635	-0.036376	*
				-5.00000	-19.00000	99.75000	0.0	0.0	-0.041027	*
				-4.00000	-19.00000	99.75000	0.0	0.0	-0.044800	*
				-3.00000	-19.00000	99.75000	0.0	0.0	-0.047730	*
				-2.00000	-19.00000	99.75000	0.0	0.0	-0.049866	*
				-1.00000	-19.00000	99.75000	0.0	0.0	-0.051276	*
				0.00000	-19.00000	99.75000	0.0	0.0	-0.052034	*
				1.00000	-19.00000	99.75000	0.0	0.0	0.0	*
				2.00000	-19.00000	99.75000	0.0	0.0	0.0	*
				3.00000	-19.00000	99.75000	0.0	0.0	0.0	*
				4.00000	-19.00000	99.75000	0.0	0.0	0.0	*
				5.00000	-19.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	-18.00000	99.75000	0.0	0.0	0.099966	*
				-39.00000	-18.00000	99.75000	0.0	0.0	0.10602	*
				-38.00000	-18.00000	99.75000	0.0	0.0	0.11201	*
				-37.00000	-18.00000	99.75000	0.0	0.0	0.11783	*
				-36.00000	-18.00000	99.75000	0.0	0.0	0.12332	*
				-35.00000	-18.00000	99.75000	0.0	0.0	0.12836	*
				-34.00000	-18.00000	99.75000	0.0	0.0	0.13280	*
				-33.00000	-18.00000	99.75000	0.0	0.0	0.13650	*
				-32.00000	-18.00000	99.75000	0.0	0.0	0.13935	*
				-31.00000	-18.00000	99.75000	0.0	0.0	0.14125	*
				-30.00000	-18.00000	99.75000	0.0	0.0	0.14215	*
				-29.00000	-18.00000	99.75000	0.0	0.0	0.14201	*
				-28.00000	-18.00000	99.75000	0.0	0.0	0.14083	*
				-27.00000	-18.00000	99.75000	0.0	0.0	0.13861	*
				-26.00000	-18.00000	99.75000	0.0	0.0	0.13540	*
				-25.00000	-18.00000	99.75000	0.0	0.0	0.13121	*
				-24.00000	-18.00000	99.75000	0.0	0.0	0.12608	*
				-23.00000	-18.00000	99.75000	0.0	0.0	0.12002	*
				-22.00000	-18.00000	99.75000	0.0	0.0	0.11306	*
				-21.00000	-18.00000	99.75000	0.0	0.0	0.10523	*
				-20.00000	-18.00000	99.75000	0.0	0.0	0.096564	*
				-19.00000	-18.00000	99.75000	0.0	0.0	0.087117	*
				-18.00000	-18.00000	99.75000	0.0	0.0	0.076970	*
				-17.00000	-18.00000	99.75000	0.0	0.0	0.066229	*
				-16.00000	-18.00000	99.75000	0.0	0.0	0.055031	*
				-15.00000	-18.00000	99.75000	0.0	0.0	0.043537	*
				-14.00000	-18.00000	99.75000	0.0	0.0	0.031929	*
				-13.00000	-18.00000	99.75000	0.0	0.066725	0.020402	*
				-12.00000	-18.00000	99.75000	0.0	0.16512	0.0091565	*
				-11.00000	-18.00000	99.75000	0.0	0.25290	-0.0016156	*
				-10.00000	-18.00000	99.75000	0.0	0.32618	-0.011736	*
				-9.00000	-18.00000	99.75000	0.0	0.38078	-0.021049	*
				-8.00000	-18.00000	99.75000	0.0	0.41250	-0.029430	*
				-7.00000	-18.00000	99.75000	-0.012764	0.40289	-0.036790	*
				-6.00000	-18.00000	99.75000	-0.035652	0.36480	-0.043076	*
				-5.00000	-18.00000	99.75000	-0.050777	0.30403	-0.048274	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by Date Checked Date
AT 30-Aug-2023

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-4.00000	-18.00000	99.75000	-0.053463	0.22365	-0.052402	*
				-3.00000	-18.00000	99.75000	-0.039702	0.12673	-0.055511	*
				-2.00000	-18.00000	99.75000	-0.0063039	0.016200	-0.057673	*
				-1.00000	-18.00000	99.75000	0.0	0.0	-0.058978	*
				0.00000	-18.00000	99.75000	0.0	0.0	-0.059528	*
				1.00000	-18.00000	99.75000	0.0	0.0	0.0	
				2.00000	-18.00000	99.75000	0.0	0.0	0.0	
				3.00000	-18.00000	99.75000	0.0	0.0	0.0	
				4.00000	-18.00000	99.75000	0.0	0.0	0.0	
				5.00000	-18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-17.00000	99.75000	0.0	0.0	0.11089	*
				-39.00000	-17.00000	99.75000	0.0	0.0	0.11819	*
				-38.00000	-17.00000	99.75000	0.0	0.0	0.12549	*
				-37.00000	-17.00000	99.75000	0.0	0.0	0.13265	*
				-36.00000	-17.00000	99.75000	0.0	0.0	0.13948	*
				-35.00000	-17.00000	99.75000	0.0	0.0	0.14581	*
				-34.00000	-17.00000	99.75000	0.0	0.0	0.15143	*
				-33.00000	-17.00000	99.75000	0.0	0.0	0.15617	*
				-32.00000	-17.00000	99.75000	0.0	0.0	0.15988	*
				-31.00000	-17.00000	99.75000	0.0	0.0	0.16243	*
				-30.00000	-17.00000	99.75000	0.0	0.0	0.16375	*
				-29.00000	-17.00000	99.75000	0.0	0.0	0.16381	*
				-28.00000	-17.00000	99.75000	0.0	0.0	0.16263	*
				-27.00000	-17.00000	99.75000	0.0	0.0	0.16024	*
				-26.00000	-17.00000	99.75000	0.0	0.0	0.15667	*
				-25.00000	-17.00000	99.75000	0.0	0.0	0.15199	*
				-24.00000	-17.00000	99.75000	0.0	0.0	0.14622	*
				-23.00000	-17.00000	99.75000	0.0	0.0	0.13938	*
				-22.00000	-17.00000	99.75000	0.0	0.0	0.13149	*
				-21.00000	-17.00000	99.75000	0.0	0.0	0.12255	*
				-20.00000	-17.00000	99.75000	0.0	0.0	0.11261	*
				-19.00000	-17.00000	99.75000	0.0	0.0	0.10169	*
				-18.00000	-17.00000	99.75000	0.0	0.0	0.089889	*
				-17.00000	-17.00000	99.75000	0.0	0.0	0.077323	*
				-16.00000	-17.00000	99.75000	0.0	0.0	0.064154	*
				-15.00000	-17.00000	99.75000	0.0	0.082826	0.050583	*
				-14.00000	-17.00000	99.75000	0.0	0.20951	0.036839	*
				-13.00000	-17.00000	99.75000	0.0	0.33401	0.023173	*
				-12.00000	-17.00000	99.75000	0.0	0.45303	0.0098401	*
				-11.00000	-17.00000	99.75000	0.0	0.56263	-0.0029115	*
				-10.00000	-17.00000	99.75000	0.0	0.65825	-0.014852	*
				-9.00000	-17.00000	99.75000	0.0	0.73492	-0.025785	*
				-8.00000	-17.00000	99.75000	0.0	0.78750	-0.035551	*
				-7.00000	-17.00000	99.75000	-0.026348	0.77098	-0.044040	*
				-6.00000	-17.00000	99.75000	-0.075822	0.71782	-0.051193	*
				-5.00000	-17.00000	99.75000	-0.11585	0.64084	-0.056998	*
				-4.00000	-17.00000	99.75000	-0.14082	0.54373	-0.061492	*
				-3.00000	-17.00000	99.75000	-0.14608	0.43017	-0.064749	*
				-2.00000	-17.00000	99.75000	-0.12804	0.30354	-0.066872	*
				-1.00000	-17.00000	99.75000	-0.084275	0.16688	-0.067985	*
				0.00000	-17.00000	99.75000	-0.013400	0.022773	-0.068222	*
				1.00000	-17.00000	99.75000	0.0	0.0	0.0	
				2.00000	-17.00000	99.75000	0.0	0.0	0.0	
				3.00000	-17.00000	99.75000	0.0	0.0	0.0	
				4.00000	-17.00000	99.75000	0.0	0.0	0.0	
				5.00000	-17.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-16.00000	99.75000	0.0	0.0	0.12311	*
				-39.00000	-16.00000	99.75000	0.0	0.0	0.13195	*
				-38.00000	-16.00000	99.75000	0.0	0.0	0.14089	*
				-37.00000	-16.00000	99.75000	0.0	0.0	0.14975	*
				-36.00000	-16.00000	99.75000	0.0	0.0	0.15830	*
				-35.00000	-16.00000	99.75000	0.0	0.0	0.16629	*
				-34.00000	-16.00000	99.75000	0.0	0.0	0.17346	*
				-33.00000	-16.00000	99.75000	0.0	0.0	0.17956	*
				-32.00000	-16.00000	99.75000	0.0	0.0	0.18438	*
				-31.00000	-16.00000	99.75000	0.0	0.0	0.18775	*
				-30.00000	-16.00000	99.75000	0.0	0.0	0.18961	*
				-29.00000	-16.00000	99.75000	0.0	0.0	0.18992	*
				-28.00000	-16.00000	99.75000	0.0	0.0	0.18873	*
				-27.00000	-16.00000	99.75000	0.0	0.0	0.18611	*
				-26.00000	-16.00000	99.75000	0.0	0.0	0.18214	*
				-25.00000	-16.00000	99.75000	0.0	0.0	0.17689	*
				-24.00000	-16.00000	99.75000	0.0	0.0	0.17040	*
				-23.00000	-16.00000	99.75000	0.0	0.0	0.16269	*
				-22.00000	-16.00000	99.75000	0.0	0.0	0.15376	*
				-21.00000	-16.00000	99.75000	0.0	0.0	0.14358	*
				-20.00000	-16.00000	99.75000	0.0	0.0	0.13217	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
		-19.00000	-16.00000	99.75000			0.0	0.0	0.11954	*
		-18.00000	-16.00000	99.75000			0.0	0.0	0.10578	*
		-17.00000	-16.00000	99.75000			0.0	0.017607	0.091011	*
		-16.00000	-16.00000	99.75000			0.0	0.15445	0.075439	*
		-15.00000	-16.00000	99.75000			0.0	0.29614	0.059314	*
		-14.00000	-16.00000	99.75000			0.0	0.44084	0.042929	*
		-13.00000	-16.00000	99.75000			0.0	0.58591	0.026607	*
		-12.00000	-16.00000	99.75000			0.0	0.72781	0.010680	*
		-11.00000	-16.00000	99.75000			0.0	0.86206	-0.0045280	*
		-10.00000	-16.00000	99.75000			0.0	0.98332	-0.018720	*
		-9.00000	-16.00000	99.75000			0.0	1.0856	-0.031640	*
		-8.00000	-16.00000	99.75000			0.0	1.1625	-0.043088	*
		-7.00000	-16.00000	99.75000			-0.042212	1.1379	-0.052925	*
		-6.00000	-16.00000	99.75000			-0.12263	1.0672	-0.061083	*
		-5.00000	-16.00000	99.75000			-0.19136	0.97149	-0.067560	*
		-4.00000	-16.00000	99.75000			-0.24161	0.85532	-0.072417	*
		-3.00000	-16.00000	99.75000			-0.26791	0.72306	-0.075765	*
		-2.00000	-16.00000	99.75000			-0.26630	0.57868	-0.077750	*
		-1.00000	-16.00000	99.75000			-0.23432	0.42559	-0.078543	*
		0.00000	-16.00000	99.75000			-0.17085	0.26659	-0.078324	*
		1.00000	-16.00000	99.75000			-0.075890	0.10390	0.0	
		2.00000	-16.00000	99.75000			0.0	0.0	0.0	
		3.00000	-16.00000	99.75000			0.0	0.0	0.0	
		4.00000	-16.00000	99.75000			0.0	0.0	0.0	
		5.00000	-16.00000	99.75000			0.0	0.0	0.0	
		-40.00000	-15.00000	99.75000			0.0	0.0	0.13678	*
		-39.00000	-15.00000	99.75000			0.0	0.0	0.14752	*
		-38.00000	-15.00000	99.75000			0.0	0.0	0.15852	*
		-37.00000	-15.00000	99.75000			0.0	0.0	0.16956	*
		-36.00000	-15.00000	99.75000			0.0	0.0	0.18033	*
		-35.00000	-15.00000	99.75000			0.0	0.0	0.19051	*
		-34.00000	-15.00000	99.75000			0.0	0.0	0.19973	*
		-33.00000	-15.00000	99.75000			0.0	0.0	0.20763	*
		-32.00000	-15.00000	99.75000			0.0	0.0	0.21391	*
		-31.00000	-15.00000	99.75000			0.0	0.0	0.21835	*
		-30.00000	-15.00000	99.75000			0.0	0.0	0.22087	*
		-29.00000	-15.00000	99.75000			0.0	0.0	0.22146	*
		-28.00000	-15.00000	99.75000			0.0	0.0	0.22022	*
		-27.00000	-15.00000	99.75000			0.0	0.0	0.21730	*
		-26.00000	-15.00000	99.75000			0.0	0.0	0.21282	*
		-25.00000	-15.00000	99.75000			0.0	0.0	0.20691	*
		-24.00000	-15.00000	99.75000			0.0	0.0	0.19963	*
		-23.00000	-15.00000	99.75000			0.0	0.0	0.19097	*
		-22.00000	-15.00000	99.75000			0.0	0.0	0.18090	*
		-21.00000	-15.00000	99.75000			0.0	0.0	0.16935	*
		-20.00000	-15.00000	99.75000			0.0	0.0	0.15627	*
		-19.00000	-15.00000	99.75000			0.0	0.0	0.14165	*
		-18.00000	-15.00000	99.75000			0.0	0.041092	0.12555	*
		-17.00000	-15.00000	99.75000			0.0	0.18176	0.10812	*
		-16.00000	-15.00000	99.75000			0.0	0.33113	0.089591	*
		-15.00000	-15.00000	99.75000			0.0	0.48837	0.070291	*
		-14.00000	-15.00000	99.75000			0.0	0.65189	0.050602	*
		-13.00000	-15.00000	99.75000			0.0	0.81914	0.030947	*
		-12.00000	-15.00000	99.75000			0.0	0.98638	0.011762	*
		-11.00000	-15.00000	99.75000			0.0	1.1486	-0.0065282	*
		-10.00000	-15.00000	99.75000			0.0	1.2995	-0.023534	*
		-9.00000	-15.00000	99.75000			0.0	1.4318	-0.038922	*
		-8.00000	-15.00000	99.75000			0.0	1.5375	-0.052431	*
		-7.00000	-15.00000	99.75000			-0.060980	1.5034	-0.063889	*
		-6.00000	-15.00000	99.75000			-0.17786	1.4120	-0.073215	*
		-5.00000	-15.00000	99.75000			-0.28000	1.2944	-0.080426	*
		-4.00000	-15.00000	99.75000			-0.35907	1.1563	-0.085619	*
		-3.00000	-15.00000	99.75000			-0.40863	1.0030	-0.088960	*
		-2.00000	-15.00000	99.75000			-0.42437	0.83907	-0.090660	*
		-1.00000	-15.00000	99.75000			-0.40399	0.66831	-0.090954	*
		0.00000	-15.00000	99.75000			-0.34688	0.49371	-0.090083	*
		1.00000	-15.00000	99.75000			-0.25376	0.31747	0.0	
		2.00000	-15.00000	99.75000			-0.12621	0.14118	0.0	
		3.00000	-15.00000	99.75000			0.0	0.0	0.0	
		4.00000	-15.00000	99.75000			0.0	0.0	0.0	
		5.00000	-15.00000	99.75000			0.0	0.0	0.0	
		-40.00000	-14.00000	99.75000			0.0	0.0	0.15203	*
		-39.00000	-14.00000	99.75000			0.0	0.0	0.16514	*
		-38.00000	-14.00000	99.75000			0.0	0.0	0.17875	*
		-37.00000	-14.00000	99.75000			0.0	0.0	0.19261	*
		-36.00000	-14.00000	99.75000			0.0	0.0	0.20632	*
		-35.00000	-14.00000	99.75000			0.0	0.0	0.21942	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-34.00000	-14.00000	99.75000	0.0	0.0	0.23139	*
				-33.00000	-14.00000	99.75000	0.0	0.0	0.24172	*
				-32.00000	-14.00000	99.75000	0.0	0.0	0.24995	*
				-31.00000	-14.00000	99.75000	0.0	0.0	0.25578	*
				-30.00000	-14.00000	99.75000	0.0	0.0	0.25910	*
				-29.00000	-14.00000	99.75000	0.0	0.0	0.25996	*
				-28.00000	-14.00000	99.75000	0.0	0.0	0.25857	*
				-27.00000	-14.00000	99.75000	0.0	0.0	0.25518	*
				-26.00000	-14.00000	99.75000	0.0	0.0	0.25005	*
				-25.00000	-14.00000	99.75000	0.0	0.0	0.24337	*
				-24.00000	-14.00000	99.75000	0.0	0.0	0.23521	*
				-23.00000	-14.00000	99.75000	0.0	0.0	0.22555	*
				-22.00000	-14.00000	99.75000	0.0	0.0	0.21428	*
				-21.00000	-14.00000	99.75000	0.0	0.0	0.20125	*
				-20.00000	-14.00000	99.75000	0.0	0.0	0.18631	*
				-19.00000	-14.00000	99.75000	0.0	0.035167	0.16938	*
				-18.00000	-14.00000	99.75000	0.0	0.17296	0.15050	*
				-17.00000	-14.00000	99.75000	0.0	0.32226	0.12980	*
				-16.00000	-14.00000	99.75000	0.0	0.48329	0.10760	*
				-15.00000	-14.00000	99.75000	0.0	0.65576	0.084314	*
				-14.00000	-14.00000	99.75000	0.0	0.83855	0.060443	*
				-13.00000	-14.00000	99.75000	0.0	1.0294	0.036553	*
				-12.00000	-14.00000	99.75000	0.0	1.2247	0.013225	*
				-11.00000	-14.00000	99.75000	0.0	1.4188	-0.0089802	*
				-10.00000	-14.00000	99.75000	0.0	1.6043	-0.029547	*
				-9.00000	-14.00000	99.75000	0.0	1.7723	-0.048035	*
				-8.00000	-14.00000	99.75000	0.0	1.9125	-0.064101	*
				-7.00000	-14.00000	99.75000	-0.083529	1.8669	-0.077523	*
				-6.00000	-14.00000	99.75000	-0.24400	1.7508	-0.088211	*
				-5.00000	-14.00000	99.75000	-0.38544	1.6074	-0.096207	*
				-4.00000	-14.00000	99.75000	-0.49750	1.4440	-0.10167	*
				-3.00000	-14.00000	99.75000	-0.57264	1.2669	-0.10485	*
				-2.00000	-14.00000	99.75000	-0.60632	1.0815	-0.10604	*
				-1.00000	-14.00000	99.75000	-0.59675	0.89196	-0.10558	*
				0.00000	-14.00000	99.75000	-0.54422	0.70128	-0.10379	*
				1.00000	-14.00000	99.75000	-0.45051	0.51152	0.0	*
				2.00000	-14.00000	99.75000	-0.31832	0.32402	0.0	*
				3.00000	-14.00000	99.75000	-0.15079	0.13954	0.0	*
				4.00000	-14.00000	99.75000	0.0	0.0	0.0	*
				5.00000	-14.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	-13.00000	99.75000	0.0	0.0	0.16900	*
				-39.00000	-13.00000	99.75000	0.0	0.0	0.18505	*
				-38.00000	-13.00000	99.75000	0.0	0.0	0.20200	*
				-37.00000	-13.00000	99.75000	0.0	0.0	0.21954	*
				-36.00000	-13.00000	99.75000	0.0	0.0	0.23718	*
				-35.00000	-13.00000	99.75000	0.0	0.0	0.25427	*
				-34.00000	-13.00000	99.75000	0.0	0.0	0.27004	*
				-33.00000	-13.00000	99.75000	0.0	0.0	0.28371	*
				-32.00000	-13.00000	99.75000	0.0	0.0	0.29459	*
				-31.00000	-13.00000	99.75000	0.0	0.0	0.30223	*
				-30.00000	-13.00000	99.75000	0.0	0.0	0.30648	*
				-29.00000	-13.00000	99.75000	0.0	0.0	0.30753	*
				-28.00000	-13.00000	99.75000	0.0	0.0	0.30575	*
				-27.00000	-13.00000	99.75000	0.0	0.0	0.30163	*
				-26.00000	-13.00000	99.75000	0.0	0.0	0.29561	*
				-25.00000	-13.00000	99.75000	0.0	0.0	0.28800	*
				-24.00000	-13.00000	99.75000	0.0	0.0	0.27891	*
				-23.00000	-13.00000	99.75000	0.0	0.0	0.26824	*
				-22.00000	-13.00000	99.75000	0.0	0.0	0.25578	*
				-21.00000	-13.00000	99.75000	0.0	0.0	0.24122	*
				-20.00000	-13.00000	99.75000	0.0	0.0091081	0.22426	*
				-19.00000	-13.00000	99.75000	0.0	0.13811	0.20468	*
				-18.00000	-13.00000	99.75000	0.0	0.28006	0.18246	*
				-17.00000	-13.00000	99.75000	0.0	0.43611	0.15774	*
				-16.00000	-13.00000	99.75000	0.0	0.60720	0.13092	*
				-15.00000	-13.00000	99.75000	0.0	0.79384	0.10254	*
				-14.00000	-13.00000	99.75000	0.0	0.99574	0.073298	*
				-13.00000	-13.00000	99.75000	0.0	1.2114	0.043959	*
				-12.00000	-13.00000	99.75000	0.0	1.4373	0.015295	*
				-11.00000	-13.00000	99.75000	0.0	1.6677	-0.011947	*
				-10.00000	-13.00000	99.75000	0.0	1.8941	-0.037082	*
				-9.00000	-13.00000	99.75000	0.0	2.1051	-0.059520	*
				-8.00000	-13.00000	99.75000	0.0	2.2875	-0.078800	*
				-7.00000	-13.00000	99.75000	-0.11113	2.2279	-0.094630	*
				-6.00000	-13.00000	99.75000	-0.32458	2.0817	-0.10691	*
				-5.00000	-13.00000	99.75000	-0.51282	1.9075	-0.11572	*
				-4.00000	-13.00000	99.75000	-0.66277	1.7145	-0.12131	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. LJ20089	Sheet No.	Rev.
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Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-3.00000	-13.00000	99.75000	-0.76570	1.5106	-0.12407	*
				-2.00000	-13.00000	99.75000	-0.81725	1.3019	-0.12443	*
				-1.00000	-13.00000	99.75000	-0.81669	1.0927	-0.12285	*
				0.00000	-13.00000	99.75000	-0.76582	0.88593	-0.11978	*
				1.00000	-13.00000	99.75000	-0.66807	0.68317	0.0	
				2.00000	-13.00000	99.75000	-0.52760	0.48533	0.0	
				3.00000	-13.00000	99.75000	-0.34882	0.29273	0.0	
				4.00000	-13.00000	99.75000	-0.13568	0.10553	0.0	
				5.00000	-13.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-12.00000	99.75000	0.0	0.0	0.18778	*
				-39.00000	-12.00000	99.75000	0.0	0.0	0.20748	*
				-38.00000	-12.00000	99.75000	0.0	0.0	0.22871	*
				-37.00000	-12.00000	99.75000	0.0	0.0	0.25112	*
				-36.00000	-12.00000	99.75000	0.0	0.0	0.27410	*
				-35.00000	-12.00000	99.75000	0.0	0.0	0.29674	*
				-34.00000	-12.00000	99.75000	0.0	0.0	0.31791	*
				-33.00000	-12.00000	99.75000	0.0	0.0	0.33634	*
				-32.00000	-12.00000	99.75000	0.0	0.0	0.35093	*
				-31.00000	-12.00000	99.75000	0.0	0.0	0.36095	*
				-30.00000	-12.00000	99.75000	0.0	0.0	0.36624	*
				-29.00000	-12.00000	99.75000	0.0	0.0	0.36718	*
				-28.00000	-12.00000	99.75000	0.0	0.0	0.36453	*
				-27.00000	-12.00000	99.75000	0.0	0.0	0.35918	*
				-26.00000	-12.00000	99.75000	0.0	0.0	0.35188	*
				-25.00000	-12.00000	99.75000	0.0	0.0	0.34314	*
				-24.00000	-12.00000	99.75000	0.0	0.0	0.33308	*
				-23.00000	-12.00000	99.75000	0.0	0.0	0.32153	*
				-22.00000	-12.00000	99.75000	0.0	0.0	0.30803	*
				-21.00000	-12.00000	99.75000	0.0	0.0	0.29203	*
				-20.00000	-12.00000	99.75000	0.0	0.087986	0.27296	*
				-19.00000	-12.00000	99.75000	0.0	0.21665	0.25039	*
				-18.00000	-12.00000	99.75000	0.0	0.36010	0.22415	*
				-17.00000	-12.00000	99.75000	0.0	0.52018	0.19440	*
				-16.00000	-12.00000	99.75000	0.0	0.69876	0.16164	*
				-15.00000	-12.00000	99.75000	0.0	0.89744	0.12666	*
				-14.00000	-12.00000	99.75000	0.0	1.1172	0.090426	*
				-13.00000	-12.00000	99.75000	0.0	1.3578	0.053975	*
				-12.00000	-12.00000	99.75000	0.0	1.6168	0.018348	*
				-11.00000	-12.00000	99.75000	0.0	1.8886	-0.015463	*
				-10.00000	-12.00000	99.75000	0.0	2.1635	-0.046547	*
				-9.00000	-12.00000	99.75000	0.0	2.4273	-0.074102	*
				-8.00000	-12.00000	99.75000	0.0	2.6625	-0.097493	*
				-7.00000	-12.00000	99.75000	-0.14569	2.5853	-0.11632	*
				-6.00000	-12.00000	99.75000	-0.42486	2.4018	-0.13045	*
				-5.00000	-12.00000	99.75000	-0.66951	2.1903	-0.14005	*
				-4.00000	-12.00000	99.75000	-0.86294	1.9627	-0.14553	*
				-3.00000	-12.00000	99.75000	-0.99537	1.7288	-0.14746	*
				-2.00000	-12.00000	99.75000	-1.0634	1.4951	-0.14650	*
				-1.00000	-12.00000	99.75000	-1.0685	1.2661	-0.14329	*
				0.00000	-12.00000	99.75000	-1.0148	1.0438	-0.13844	*
				1.00000	-12.00000	99.75000	-0.90816	0.82922	0.0	
				2.00000	-12.00000	99.75000	-0.75467	0.62257	0.0	
				3.00000	-12.00000	99.75000	-0.55107	0.42861	0.0	
				4.00000	-12.00000	99.75000	-0.31741	0.24688	0.0	
				5.00000	-12.00000	99.75000	-0.083760	0.065147	0.0	
				-40.00000	-11.00000	99.75000	0.0	0.0	0.20838	*
				-39.00000	-11.00000	99.75000	0.0	0.0	0.23260	*
				-38.00000	-11.00000	99.75000	0.0	0.0	0.25932	*
				-37.00000	-11.00000	99.75000	0.0	0.0	0.28822	*
				-36.00000	-11.00000	99.75000	0.0	0.0	0.31859	*
				-35.00000	-11.00000	99.75000	0.0	0.0	0.34919	*
				-34.00000	-11.00000	99.75000	0.0	0.0	0.37825	*
				-33.00000	-11.00000	99.75000	0.0	0.0	0.40373	*
				-32.00000	-11.00000	99.75000	0.0	0.0	0.42370	*
				-31.00000	-11.00000	99.75000	0.0	0.0	0.43692	*
				-30.00000	-11.00000	99.75000	0.0	0.0	0.44320	*
				-29.00000	-11.00000	99.75000	0.0	0.0	0.44336	*
				-28.00000	-11.00000	99.75000	0.0	0.0	0.43889	*
				-27.00000	-11.00000	99.75000	0.0	0.0	0.43137	*
				-26.00000	-11.00000	99.75000	0.0	0.0	0.42215	*
				-25.00000	-11.00000	99.75000	0.0	0.0	0.41199	*
				-24.00000	-11.00000	99.75000	0.0	0.0	0.40105	*
				-23.00000	-11.00000	99.75000	0.0	0.0	0.38893	*
				-22.00000	-11.00000	99.75000	0.0	0.0	0.37484	*
				-21.00000	-11.00000	99.75000	0.0	0.032888	0.35775	*
				-20.00000	-11.00000	99.75000	0.0	0.14422	0.33665	*
				-19.00000	-11.00000	99.75000	0.0	0.26950	0.31075	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-18.00000	-11.00000	99.75000	0.0	0.41102	0.27964	*
				-17.00000	-11.00000	99.75000	0.0	0.57141	0.24347	*
				-16.00000	-11.00000	99.75000	0.0	0.75361	0.20296	*
				-15.00000	-11.00000	99.75000	0.0	0.96067	0.15925	*
				-14.00000	-11.00000	99.75000	0.0	1.1954	0.11373	*
				-13.00000	-11.00000	99.75000	0.0	1.4597	0.067867	*
				-12.00000	-11.00000	99.75000	0.0	1.7531	0.023034	*
				-11.00000	-11.00000	99.75000	0.0	2.0715	-0.019469	*
				-10.00000	-11.00000	99.75000	0.0	2.4046	-0.058435	*
				-9.00000	-11.00000	99.75000	0.0	2.7346	-0.092759	*
				-8.00000	-11.00000	99.75000	0.0	3.0375	-0.12153	*
				-7.00000	-11.00000	99.75000	-0.19022	2.9377	-0.14414	*
				-6.00000	-11.00000	99.75000	-0.55293	2.7066	-0.16044	*
				-5.00000	-11.00000	99.75000	-0.86647	2.4491	-0.17071	*
				-4.00000	-11.00000	99.75000	-1.1093	2.1811	-0.17563	*
				-3.00000	-11.00000	99.75000	-1.2715	1.9140	-0.17610	*
				-2.00000	-11.00000	99.75000	-1.3524	1.6546	-0.17308	*
				-1.00000	-11.00000	99.75000	-1.3571	1.4064	-0.16752	*
				0.00000	-11.00000	99.75000	-1.2940	1.1704	-0.16021	*
				1.00000	-11.00000	99.75000	-1.1719	0.94630	0.0	
				2.00000	-11.00000	99.75000	-0.96645	0.75169	0.0	
				3.00000	-11.00000	99.75000	-0.73280	0.56995	0.0	
				4.00000	-11.00000	99.75000	-0.49914	0.38822	0.0	
				5.00000	-11.00000	99.75000	-0.26549	0.20649	0.0	
				-40.00000	-10.00000	99.75000	0.0	0.0	0.23067	*
				-39.00000	-10.00000	99.75000	0.0	0.0	0.26044	*
				-38.00000	-10.00000	99.75000	0.0	0.0	0.29418	*
				-37.00000	-10.00000	99.75000	0.0	0.0	0.33178	*
				-36.00000	-10.00000	99.75000	0.0	0.0	0.37253	*
				-35.00000	-10.00000	99.75000	0.0	0.0	0.41482	*
				-34.00000	-10.00000	99.75000	0.0	0.0	0.45594	*
				-33.00000	-10.00000	99.75000	0.0016946	0.014160	0.49236	*
				-32.00000	-10.00000	99.75000	0.0	0.10000	0.52054	*
				-31.00000	-10.00000	99.75000	0.0	0.10000	0.53816	*
				-30.00000	-10.00000	99.75000	0.0	0.10000	0.54501	*
				-29.00000	-10.00000	99.75000	0.0	0.10000	0.54289	*
				-28.00000	-10.00000	99.75000	0.0	0.10000	0.53470	*
				-27.00000	-10.00000	99.75000	0.0	0.10000	0.52336	*
				-26.00000	-10.00000	99.75000	0.0	0.10000	0.51112	*
				-25.00000	-10.00000	99.75000	0.0	0.10000	0.49918	*
				-24.00000	-10.00000	99.75000	0.0	0.10000	0.48763	*
				-23.00000	-10.00000	99.75000	0.0	0.10000	0.47569	*
				-22.00000	-10.00000	99.75000	-0.0010698	0.098083	0.46190	*
				-21.00000	-10.00000	99.75000	0.0	0.073618	0.44453	*
				-20.00000	-10.00000	99.75000	0.0	0.17760	0.42184	*
				-19.00000	-10.00000	99.75000	0.0	0.29590	0.39236	*
				-18.00000	-10.00000	99.75000	0.0	0.43129	0.35528	*
				-17.00000	-10.00000	99.75000	0.0	0.58716	0.31073	*
				-16.00000	-10.00000	99.75000	0.0	0.76757	0.25977	*
				-15.00000	-10.00000	99.75000	0.0	0.97727	0.20422	*
				-14.00000	-10.00000	99.75000	0.0	1.2215	0.14617	*
				-13.00000	-10.00000	99.75000	0.0	1.5053	0.087660	*
				-12.00000	-10.00000	99.75000	0.0030598	1.8431	0.030510	*
				-11.00000	-10.00000	99.75000	0.0	2.2392	-0.023656	*
				-10.00000	-10.00000	99.75000	0.0	2.6420	-0.073277	*
				-9.00000	-10.00000	99.75000	0.0	3.0571	-0.11680	*
				-8.00000	-10.00000	99.75000	0.0	3.4493	-0.15281	*
				-7.00000	-10.00000	99.75000	-0.24974	3.2824	-0.18036	*
				-6.00000	-10.00000	99.75000	-0.72194	2.9890	-0.19918	*
				-5.00000	-10.00000	99.75000	-1.1205	2.6741	-0.20981	*
				-4.00000	-10.00000	99.75000	-1.4181	2.3589	-0.21339	*
				-3.00000	-10.00000	99.75000	-1.6070	2.0565	-0.21135	*
				-2.00000	-10.00000	99.75000	-1.6928	1.7723	-0.20519	*
				-1.00000	-10.00000	99.75000	-1.6878	1.5076	-0.19623	*
				0.00000	-10.00000	99.75000	-1.6057	1.2612	-0.18555	*
				1.00000	-10.00000	99.75000	-1.3818	1.0748	0.0	
				2.00000	-10.00000	99.75000	-1.1482	0.89303	0.0	
				3.00000	-10.00000	99.75000	-0.91453	0.71130	0.0	
				4.00000	-10.00000	99.75000	-0.68088	0.52957	0.0	
				5.00000	-10.00000	99.75000	-0.44722	0.34784	0.0	
				-40.00000	-9.00000	99.75000	0.0	0.0	0.25435	*
				-39.00000	-9.00000	99.75000	0.0	0.0	0.29077	*
				-38.00000	-9.00000	99.75000	0.0	0.0	0.33336	*
				-37.00000	-9.00000	99.75000	0.0	0.0	0.38258	*
				-36.00000	-9.00000	99.75000	0.0	0.0	0.43810	*
				-35.00000	-9.00000	99.75000	0.089033	0.16553	0.49810	*
				-34.00000	-9.00000	99.75000	0.17456	0.53300	0.55851	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-33.00000	-9.00000	99.75000	0.12803	0.87097	0.61301	*
				-32.00000	-9.00000	99.75000	0.0	1.1000	0.65456	*
				-31.00000	-9.00000	99.75000	0.0	1.1000	0.67842	*
				-30.00000	-9.00000	99.75000	0.0	1.1000	0.68445	*
				-29.00000	-9.00000	99.75000	0.0	1.1000	0.67672	*
				-28.00000	-9.00000	99.75000	0.0	1.1000	0.66109	*
				-27.00000	-9.00000	99.75000	0.0	1.1000	0.64293	*
				-26.00000	-9.00000	99.75000	0.0	1.1000	0.62590	*
				-25.00000	-9.00000	99.75000	0.0	1.1000	0.61174	*
				-24.00000	-9.00000	99.75000	0.0	1.1000	0.60031	*
				-23.00000	-9.00000	99.75000	0.0	1.1000	0.58997	*
				-22.00000	-9.00000	99.75000	-0.014276	1.0981	0.57820	*
				-21.00000	-9.00000	99.75000	-0.13750	0.93583	0.56216	*
				-20.00000	-9.00000	99.75000	-0.17243	0.68515	0.53892	*
				-19.00000	-9.00000	99.75000	-0.072441	0.42522	0.50588	*
				-18.00000	-9.00000	99.75000	0.0	0.42029	0.46139	*
				-17.00000	-9.00000	99.75000	0.0	0.56567	0.40547	*
				-16.00000	-9.00000	99.75000	0.0	0.73715	0.33992	*
				-15.00000	-9.00000	99.75000	0.0	0.94120	0.26779	*
				-14.00000	-9.00000	99.75000	0.10415	1.2616	0.19242	*
				-13.00000	-9.00000	99.75000	0.17533	1.6940	0.11672	*
				-12.00000	-9.00000	99.75000	0.11773	2.1728	0.042950	*
				-11.00000	-9.00000	99.75000	0.0	2.6692	-0.027072	*
				-10.00000	-9.00000	99.75000	0.0	3.2382	-0.078049	*
				-9.00000	-9.00000	99.75000	0.0	3.8629	-0.12066	*
				-8.00000	-9.00000	99.75000	0.0	4.4359	-0.15790	*
				-7.00000	-9.00000	99.75000	-0.35391	4.1533	-0.19341	*
				-6.00000	-9.00000	99.75000	-0.99754	3.5685	-0.22462	*
				-5.00000	-9.00000	99.75000	-1.4751	2.9306	-0.25293	*
				-4.00000	-9.00000	99.75000	-1.8119	2.4807	-0.26122	*
				-3.00000	-9.00000	99.75000	-2.0176	2.1434	-0.25500	*
				-2.00000	-9.00000	99.75000	-2.0939	1.8386	-0.24404	*
				-1.00000	-9.00000	99.75000	-2.0309	1.5796	-0.23021	*
				0.00000	-9.00000	99.75000	-1.7972	1.3978	-0.21494	*
				1.00000	-9.00000	99.75000	-1.5636	1.2161	0.0	
				2.00000	-9.00000	99.75000	-1.3299	1.0344	0.0	
				3.00000	-9.00000	99.75000	-1.0963	0.85265	0.0	
				4.00000	-9.00000	99.75000	-0.86261	0.67092	0.0	
				5.00000	-9.00000	99.75000	-0.63543	0.46589	0.0	
				-40.00000	-8.00000	99.75000	0.0	0.0	0.27878	*
				-39.00000	-8.00000	99.75000	0.0	0.0	0.32292	*
				-38.00000	-8.00000	99.75000	0.0	0.0	0.37638	*
				-37.00000	-8.00000	99.75000	0.0	0.0	0.44088	*
				-36.00000	-8.00000	99.75000	0.21004	0.20337	0.51745	*
				-35.00000	-8.00000	99.75000	0.45067	0.62896	0.60497	*
				-34.00000	-8.00000	99.75000	0.48781	1.1293	0.69792	*
				-33.00000	-8.00000	99.75000	0.31541	1.6584	0.78472	*
				-32.00000	-8.00000	99.75000	0.0	2.1000	0.85011	*
				-31.00000	-8.00000	99.75000	0.0	2.1000	0.88311	*
				-30.00000	-8.00000	99.75000	0.0	2.1000	0.88419	*
				-29.00000	-8.00000	99.75000	0.0	2.1000	0.86342	*
				-28.00000	-8.00000	99.75000	0.0	2.1000	0.83313	*
				-27.00000	-8.00000	99.75000	0.0	2.1000	0.80282	*
				-26.00000	-8.00000	99.75000	0.0	2.1000	0.77816	*
				-25.00000	-8.00000	99.75000	0.0	2.1000	0.76144	*
				-24.00000	-8.00000	99.75000	0.0	2.1000	0.75175	*
				-23.00000	-8.00000	99.75000	0.0	2.1000	0.74569	*
				-22.00000	-8.00000	99.75000	-0.034251	3.0948	0.73883	*
				-21.00000	-8.00000	99.75000	-0.34090	2.7063	0.72688	*
				-20.00000	-8.00000	99.75000	-0.49386	2.2554	0.70536	*
				-19.00000	-8.00000	99.75000	-0.43527	1.8536	0.66942	*
				-18.00000	-8.00000	99.75000	-0.17612	1.5440	0.61554	*
				-17.00000	-8.00000	99.75000	0.0	1.5068	0.54342	*
				-16.00000	-8.00000	99.75000	0.0	1.6606	0.45639	*
				-15.00000	-8.00000	99.75000	0.24228	1.9387	0.36007	*
				-14.00000	-8.00000	99.75000	0.46402	2.3328	0.26018	*
				-13.00000	-8.00000	99.75000	0.47960	2.8127	0.16092	*
				-12.00000	-8.00000	99.75000	0.28841	3.3838	0.066007	*
				-11.00000	-8.00000	99.75000	0.0	3.1264	-0.0065661	*
				-10.00000	-8.00000	99.75000	0.0	3.8570	-0.063361	*
				-9.00000	-8.00000	99.75000	0.0	4.6929	-0.097606	*
				-8.00000	-8.00000	99.75000	0.0	5.5117	-0.12502	*
				-7.00000	-8.00000	99.75000	-0.52163	5.0624	-0.17329	*
				-6.00000	-8.00000	99.75000	-1.4464	4.2366	-0.22852	*
				-5.00000	-8.00000	99.75000	-2.0865	3.4167	-0.27532	*
				-4.00000	-8.00000	99.75000	-2.4040	2.6744	-0.30224	*
				-3.00000	-8.00000	99.75000	-2.5213	2.1588	-0.30930	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-2.00000	-8.00000	99.75000	-2.4463	1.9026	-0.29104	*
				-1.00000	-8.00000	99.75000	-2.2126	1.7209	-0.27028	*
				0.00000	-8.00000	99.75000	-1.9790	1.5392	-0.24878	*
				1.00000	-8.00000	99.75000	-1.7453	1.3575	0.0	
				2.00000	-8.00000	99.75000	-1.5116	1.1757	0.0	
				3.00000	-8.00000	99.75000	-1.2780	0.99399	0.0	
				4.00000	-8.00000	99.75000	-1.0624	0.74966	0.0	
				5.00000	-8.00000	99.75000	-0.82711	0.52890	0.0	
				-40.00000	-7.00000	99.75000	0.0	0.0	0.30299	*
				-39.00000	-7.00000	99.75000	0.0	0.0	0.35561	*
				-38.00000	-7.00000	99.75000	0.0	0.0	0.42175	*
				-37.00000	-7.00000	99.75000	0.14630	0.073565	0.50557	*
				-36.00000	-7.00000	99.75000	0.63629	0.42306	0.61160	*
				-35.00000	-7.00000	99.75000	0.93345	0.89402	0.74247	*
				-34.00000	-7.00000	99.75000	0.95214	1.5251	0.89349	*
				-33.00000	-7.00000	99.75000	0.61990	2.3125	1.0442	*
				-32.00000	-7.00000	99.75000	0.0	3.1000	1.1577	*
				-31.00000	-7.00000	99.75000	0.0	3.1000	1.2043	*
				-30.00000	-7.00000	99.75000	0.0	3.1000	1.1879	*
				-29.00000	-7.00000	99.75000	0.0	3.1000	1.1370	*
				-28.00000	-7.00000	99.75000	0.0	3.1000	1.0781	*
				-27.00000	-7.00000	99.75000	0.0	3.1000	1.0266	*
				-26.00000	-7.00000	99.75000	0.0	3.1000	0.98989	*
				-25.00000	-7.00000	99.75000	0.0	3.1000	0.97065	*
				-24.00000	-7.00000	99.75000	0.0	3.1000	0.96642	*
				-23.00000	-7.00000	99.75000	0.0	3.1000	0.96947	*
				-22.00000	-7.00000	99.75000	-0.067988	5.0646	0.97135	*
				-21.00000	-7.00000	99.75000	-0.66896	4.3175	0.96740	*
				-20.00000	-7.00000	99.75000	-0.96537	3.6044	0.95214	*
				-19.00000	-7.00000	99.75000	-0.91473	3.0633	0.91574	*
				-18.00000	-7.00000	99.75000	-0.59474	2.6925	0.84978	*
				-17.00000	-7.00000	99.75000	-0.089319	2.4564	0.75291	*
				-16.00000	-7.00000	99.75000	0.20199	2.5779	0.63191	*
				-15.00000	-7.00000	99.75000	0.67594	2.8700	0.49832	*
				-14.00000	-7.00000	99.75000	0.94939	3.2520	0.36272	*
				-13.00000	-7.00000	99.75000	0.93529	3.7560	0.23110	*
				-12.00000	-7.00000	99.75000	0.56773	4.4960	0.11864	*
				-11.00000	-7.00000	99.75000	0.0	3.3857	0.027883	*
				-10.00000	-7.00000	99.75000	0.0	4.2436	-0.016842	*
				-9.00000	-7.00000	99.75000	0.0	5.3635	-0.0059269	*
				-8.00000	-7.00000	99.75000	0.0	6.5822	0.018395	*
				-7.00000	-7.00000	99.75000	-0.80225	5.8592	-0.053174	*
				-6.00000	-7.00000	99.75000	-2.1484	4.6818	-0.16808	*
				-5.00000	-7.00000	99.75000	-2.9556	3.6575	-0.28101	*
				-4.00000	-7.00000	99.75000	-3.2641	2.8277	-0.34403	*
				-3.00000	-7.00000	99.75000	-2.9386	2.3020	-0.36106	*
				-2.00000	-7.00000	99.75000	-2.6280	2.0440	-0.34766	*
				-1.00000	-7.00000	99.75000	-2.3943	1.8623	-0.31714	*
				0.00000	-7.00000	99.75000	-2.1607	1.6805	-0.28736	*
				1.00000	-7.00000	99.75000	-1.9270	1.4988	0.0	
				2.00000	-7.00000	99.75000	-1.7029	1.2907	0.0	
				3.00000	-7.00000	99.75000	-1.4980	1.0052	0.0	
				4.00000	-7.00000	99.75000	-1.2661	0.76057	0.0	
				5.00000	-7.00000	99.75000	-1.0124	0.54968	0.0	
				-40.00000	-6.00000	99.75000	0.0	0.0	0.32564	*
				-39.00000	-6.00000	99.75000	0.0	0.0	0.38678	*
				-38.00000	-6.00000	99.75000	0.0	0.0	0.46647	*
				-37.00000	-6.00000	99.75000	0.50063	0.15054	0.57286	*
				-36.00000	-6.00000	99.75000	1.1280	0.44370	0.71769	*
				-35.00000	-6.00000	99.75000	1.5688	0.88019	0.91558	*
				-34.00000	-6.00000	99.75000	1.6736	1.5678	1.1753	*
				-33.00000	-6.00000	99.75000	1.1989	2.6883	1.4757	*
				-32.00000	-6.00000	99.75000	0.0	4.2167	1.7192	*
				-31.00000	-6.00000	99.75000	0.0	4.2167	1.7834	*
				-30.00000	-6.00000	99.75000	0.0	4.2167	1.7073	*
				-29.00000	-6.00000	99.75000	0.0	4.2167	1.5858	*
				-28.00000	-6.00000	99.75000	0.0	4.2167	1.4729	*
				-27.00000	-6.00000	99.75000	0.0	4.2167	1.3857	*
				-26.00000	-6.00000	99.75000	0.0	4.2167	1.3298	*
				-25.00000	-6.00000	99.75000	0.0	4.2167	1.3088	*
				-24.00000	-6.00000	99.75000	0.0	4.2167	1.3192	*
				-23.00000	-6.00000	99.75000	0.0	4.2167	1.3406	*
				-22.00000	-6.00000	99.75000	-0.14104	7.1002	1.3506	*
				-21.00000	-6.00000	99.75000	-1.2772	5.6101	1.3409	*
				-20.00000	-6.00000	99.75000	-1.6848	4.5901	1.3387	*
				-19.00000	-6.00000	99.75000	-1.5365	3.9842	1.3096	*
				-18.00000	-6.00000	99.75000	-1.0720	3.6253	1.2281	*

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-17.00000	-6.00000	99.75000	-0.43099	3.4148	1.0897	*
				-16.00000	-6.00000	99.75000	0.56920	3.4430	0.90932	*
				-15.00000	-6.00000	99.75000	1.1822	3.6700	0.71389	*
				-14.00000	-6.00000	99.75000	1.5977	3.9882	0.52458	*
				-13.00000	-6.00000	99.75000	1.6565	4.4792	0.35259	*
				-12.00000	-6.00000	99.75000	1.1115	5.3171	0.21190	*
				-11.00000	-6.00000	99.75000	0.0	3.4457	0.10889	*
				-10.00000	-6.00000	99.75000	0.0	4.3366	0.066969	*
				-9.00000	-6.00000	99.75000	0.0	5.7892	0.14932	*
				-8.00000	-6.00000	99.75000	0.0	7.7512	0.32040	*
				-7.00000	-6.00000	99.75000	-1.3638	6.4035	0.18985	*
				-6.00000	-6.00000	99.75000	-3.3546	4.7009	-0.038651	*
				-5.00000	-6.00000	99.75000	-4.1646	3.5494	-0.26200	*
				-4.00000	-6.00000	99.75000	-3.7232	3.0493	-0.38407	*
				-3.00000	-6.00000	99.75000	-3.2819	2.6000	-0.41476	*
				-2.00000	-6.00000	99.75000	-2.8405	2.2093	-0.40814	*
				-1.00000	-6.00000	99.75000	-2.5761	2.0036	-0.37121	*
				0.00000	-6.00000	99.75000	-2.3424	1.8219	-0.33065	*
				1.00000	-6.00000	99.75000	-2.1418	1.5456	0.0	
				2.00000	-6.00000	99.75000	-1.9460	1.2193	0.0	
				3.00000	-6.00000	99.75000	-1.7172	0.94825	0.0	
				4.00000	-6.00000	99.75000	-1.4628	0.72092	0.0	
				5.00000	-6.00000	99.75000	-1.1884	0.52825	0.0	
				-40.00000	-5.00000	99.75000	0.0	0.0	0.34520	*
				-39.00000	-5.00000	99.75000	0.0	0.0	0.41378	*
				-38.00000	-5.00000	99.75000	0.0	0.0	0.50589	*
				-37.00000	-5.00000	99.75000	0.81538	0.10427	0.63478	*
				-36.00000	-5.00000	99.75000	1.6323	0.26770	0.82394	*
				-35.00000	-5.00000	99.75000	2.3358	0.53213	1.1156	*
				-34.00000	-5.00000	99.75000	2.7959	1.0299	1.5813	*
				-33.00000	-5.00000	99.75000	2.6440	2.3122	2.3454	*
				-32.00000	-5.00000	99.75000	0.0	5.5500	3.1225	*
				-31.00000	-5.00000	99.75000	0.0	5.5500	3.1735	*
				-30.00000	-5.00000	99.75000	0.0	5.5500	2.8675	*
				-29.00000	-5.00000	99.75000	0.0	5.5500	2.5826	*
				-28.00000	-5.00000	99.75000	0.0	5.5500	2.3773	*
				-27.00000	-5.00000	99.75000	0.0	5.5500	2.2346	*
				-26.00000	-5.00000	99.75000	0.0	5.5500	2.1443	*
				-25.00000	-5.00000	99.75000	0.0	5.5500	2.1185	*
				-24.00000	-5.00000	99.75000	0.0	5.5500	2.1691	*
				-23.00000	-5.00000	99.75000	0.0	5.5500	2.2367	*
				-22.00000	-5.00000	99.75000	-0.39046	9.2504	2.2129	*
				-21.00000	-5.00000	99.75000	-2.7355	6.2353	2.0297	*
				-20.00000	-5.00000	99.75000	-2.7576	5.0940	2.0055	*
				-19.00000	-5.00000	99.75000	-2.2734	4.6592	2.0078	*
				-18.00000	-5.00000	99.75000	-1.5544	4.4376	1.9074	*
				-17.00000	-5.00000	99.75000	-0.70119	4.3175	1.6907	*
				-16.00000	-5.00000	99.75000	0.90031	4.3133	1.3898	*
				-15.00000	-5.00000	99.75000	1.7091	4.4339	1.0812	*
				-14.00000	-5.00000	99.75000	2.3958	4.6138	0.80898	*
				-13.00000	-5.00000	99.75000	2.8353	4.9511	0.58695	*
				-12.00000	-5.00000	99.75000	2.5265	5.7801	0.49179	*
				-11.00000	-5.00000	99.75000	0.0	3.3425	0.44944	*
				-10.00000	-5.00000	99.75000	0.0	3.9633	0.32196	*
				-9.00000	-5.00000	99.75000	0.0	5.4169	0.36269	*
				-8.00000	-5.00000	99.75000	0.0	9.0549	0.91013	*
				-7.00000	-5.00000	99.75000	-2.9790	6.1839	0.50766	*
				-6.00000	-5.00000	99.75000	-4.9492	4.2085	0.061295	*
				-5.00000	-5.00000	99.75000	-4.5078	3.6931	-0.23903	*
				-4.00000	-5.00000	99.75000	-4.0665	3.2558	-0.40530	*
				-3.00000	-5.00000	99.75000	-3.6251	2.8538	-0.46572	*
				-2.00000	-5.00000	99.75000	-3.1838	2.4763	-0.45781	*
				-1.00000	-5.00000	99.75000	-2.7578	2.1450	-0.43228	*
				0.00000	-5.00000	99.75000	-2.5992	1.7442	-0.37814	*
				1.00000	-5.00000	99.75000	-2.4133	1.3690	0.0	
				2.00000	-5.00000	99.75000	-2.1861	1.0709	0.0	
				3.00000	-5.00000	99.75000	-1.9285	0.82995	0.0	
				4.00000	-5.00000	99.75000	-1.6485	0.63187	0.0	
				5.00000	-5.00000	99.75000	-1.3513	0.46662	0.0	
				-40.00000	-4.00000	99.75000	0.0	0.0	0.36028	*
				-39.00000	-4.00000	99.75000	0.0	0.0	0.43391	*
				-38.00000	-4.00000	99.75000	0.0	0.0	0.53447	*
				-37.00000	-4.00000	99.75000	1.0000	0.0	0.67955	*
				-36.00000	-4.00000	99.75000	2.0000	0.0	0.90501	*
				-35.00000	-4.00000	99.75000	3.0000	0.0	1.2931	*
				-34.00000	-4.00000	99.75000	4.0833	0.0	2.0778	*
				-33.00000	-4.00000	99.75000	5.4167	0.0	4.1287	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-32.00000	-4.00000	99.75000	6.7500	0.0	8.9780	*
				-31.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-4.00000	99.75000	-6.6167	5.4167	4.3021	*
				-21.00000	-4.00000	99.75000	-5.2833	5.4167	3.2991	*
				-20.00000	-4.00000	99.75000	-3.9500	5.4167	3.4338	*
				-19.00000	-4.00000	99.75000	-2.9000	5.4167	3.5044	*
				-18.00000	-4.00000	99.75000	-1.9000	5.4167	3.3942	*
				-17.00000	-4.00000	99.75000	-0.80000	5.4167	3.0169	*
				-16.00000	-4.00000	99.75000	1.1000	5.4167	2.3974	*
				-15.00000	-4.00000	99.75000	2.1000	5.4167	1.8573	*
				-14.00000	-4.00000	99.75000	3.1000	5.4167	1.4599	*
				-13.00000	-4.00000	99.75000	4.2167	5.4167	1.1751	*
				-12.00000	-4.00000	99.75000	5.5500	5.4167	1.1484	*
				-11.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-4.00000	99.75000	0.0	0.0	-0.63262	*
				-7.00000	-4.00000	99.75000	-5.7338	4.4596	0.54397	*
				-6.00000	-4.00000	99.75000	-5.2924	4.1163	0.060348	*
				-5.00000	-4.00000	99.75000	-4.8511	3.7731	-0.21808	*
				-4.00000	-4.00000	99.75000	-4.4098	3.4298	-0.40071	*
				-3.00000	-4.00000	99.75000	-3.9684	3.0865	-0.49169	*
				-2.00000	-4.00000	99.75000	-3.5396	2.7094	-0.50451	*
				-1.00000	-4.00000	99.75000	-3.2325	1.9262	-0.47300	*
				0.00000	-4.00000	99.75000	-2.9127	1.4120	-0.42865	*
				1.00000	-4.00000	99.75000	-2.6825	1.0926	0.0	*
				2.00000	-4.00000	99.75000	-2.4167	0.84746	0.0	*
				3.00000	-4.00000	99.75000	-2.1261	0.65402	0.0	*
				4.00000	-4.00000	99.75000	-1.8179	0.49784	0.0	*
				5.00000	-4.00000	99.75000	-1.4966	0.36925	0.0	*
				-40.00000	-3.00000	99.75000	0.0	0.0	0.37011	*
				-39.00000	-3.00000	99.75000	0.0	0.0	0.44548	*
				-38.00000	-3.00000	99.75000	0.0	0.0	0.54813	*
				-37.00000	-3.00000	99.75000	1.0000	0.0	0.69640	*
				-36.00000	-3.00000	99.75000	2.0000	0.0	0.92968	*
				-35.00000	-3.00000	99.75000	3.0000	0.0	1.3477	*
				-34.00000	-3.00000	99.75000	4.0833	0.0	2.2965	*
				-33.00000	-3.00000	99.75000	5.4167	0.0	6.4793	*
				-32.00000	-3.00000	99.75000	6.7500	0.0	12.450	*
				-31.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-3.00000	99.75000	-6.6167	6.7500	5.2566	*
				-21.00000	-3.00000	99.75000	-5.2833	6.7500	5.4695	*
				-20.00000	-3.00000	99.75000	-3.9500	6.7500	7.6905	*
				-19.00000	-3.00000	99.75000	-2.9000	6.7500	6.9154	*
				-18.00000	-3.00000	99.75000	-1.9000	6.7500	7.4141	*
				-17.00000	-3.00000	99.75000	-0.80000	6.7500	6.7363	*
				-16.00000	-3.00000	99.75000	1.1000	6.7500	4.3394	*
				-15.00000	-3.00000	99.75000	2.1000	6.7500	3.3206	*
				-14.00000	-3.00000	99.75000	3.1000	6.7500	2.7667	*
				-13.00000	-3.00000	99.75000	4.2167	6.7500	2.4139	*
				-12.00000	-3.00000	99.75000	5.5500	6.7500	2.3344	*
				-11.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-3.00000	99.75000	0.0	0.0	-2.4558	*
				-7.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-3.00000	99.75000	-5.6357	4.3833	-0.11271	*
				-5.00000	-3.00000	99.75000	-5.1944	4.0401	-0.21906	*
				-4.00000	-3.00000	99.75000	-4.7530	3.6968	-0.36519	*
				-3.00000	-3.00000	99.75000	-4.4445	2.9825	-0.47674	*
				-2.00000	-3.00000	99.75000	-4.1872	1.9830	-0.53512	*

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-1.00000	-3.00000	99.75000	-3.7517	1.3632	-0.52064	*
				0.00000	-3.00000	99.75000	-3.2236	0.94784	-0.48018	*
				1.00000	-3.00000	99.75000	-2.9383	0.72498	0.0	
				2.00000	-3.00000	99.75000	-2.6284	0.55859	0.0	
				3.00000	-3.00000	99.75000	-2.3022	0.42975	0.0	
				4.00000	-3.00000	99.75000	-1.9647	0.32706	0.0	
				5.00000	-3.00000	99.75000	-1.6190	0.24327	0.0	
				-40.00000	-2.00000	99.75000	0.0	0.0	0.37491	*
				-39.00000	-2.00000	99.75000	0.0	0.0	0.44883	*
				-38.00000	-2.00000	99.75000	0.0	0.0	0.54704	*
				-37.00000	-2.00000	99.75000	1.0000	0.0	0.68391	*
				-36.00000	-2.00000	99.75000	2.0000	0.0	0.88857	*
				-35.00000	-2.00000	99.75000	3.0000	0.0	1.2280	*
				-34.00000	-2.00000	99.75000	4.0833	0.0	1.8957	*
				-33.00000	-2.00000	99.75000	5.4167	0.0	3.6074	*
				-32.00000	-2.00000	99.75000	6.7500	0.0	6.1977	*
				-31.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-21.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-20.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-19.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-18.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-17.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-16.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-15.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-14.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-13.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-12.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-11.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-2.00000	99.75000	0.0	0.0	-4.0274	*
				-7.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	-2.00000	99.75000	-5.5376	4.3071	-0.24673	*
				-4.00000	-2.00000	99.75000	-5.6342	2.4247	-0.31617	*
				-3.00000	-2.00000	99.75000	-5.3594	1.3224	-0.48191	*
				-2.00000	-2.00000	99.75000	-4.8352	0.83500	-0.57708	*
				-1.00000	-2.00000	99.75000	-4.2243	0.56210	-0.57260	*
				0.00000	-2.00000	99.75000	-3.5735	0.38756	-0.51898	*
				1.00000	-2.00000	99.75000	-3.1648	0.29023	0.0	
				2.00000	-2.00000	99.75000	-2.8093	0.22355	0.0	
				3.00000	-2.00000	99.75000	-2.4477	0.17228	0.0	
				4.00000	-2.00000	99.75000	-2.0819	0.13155	0.0	
				5.00000	-2.00000	99.75000	-1.7132	0.098323	0.0	
				-40.00000	-1.00000	99.75000	0.0	0.0	0.37590	*
				-39.00000	-1.00000	99.75000	0.0	0.0	0.44646	*
				-38.00000	-1.00000	99.75000	0.0	0.0	0.53644	*
				-37.00000	-1.00000	99.75000	1.0000	0.0	0.65374	*
				-36.00000	-1.00000	99.75000	2.0000	0.0	0.81083	*
				-35.00000	-1.00000	99.75000	3.0000	0.0	1.0266	*
				-34.00000	-1.00000	99.75000	4.0833	0.0	1.3301	*
				-33.00000	-1.00000	99.75000	5.4167	0.0	1.7941	*
				-32.00000	-1.00000	99.75000	6.7500	0.0	1.8752	*
				-31.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-21.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-20.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-19.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-18.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-17.00000	-1.00000	99.75000	Point lies within an excavation.			*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Mat by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-16.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-15.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-14.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-13.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-12.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-11.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-1.00000	99.75000	0.0	0.0	-4.9431	*
				-7.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-5.00000	-1.00000	99.75000	-7.2220	0.38010	-0.49085	*
				-4.00000	-1.00000	99.75000	-6.5156	0.34293	-0.46138	*
				-3.00000	-1.00000	99.75000	-5.8092	0.30575	-0.58213	*
				-2.00000	-1.00000	99.75000	-5.1028	0.26857	-0.65150	*
				-1.00000	-1.00000	99.75000	-4.3964	0.23139	-0.62983	*
				0.00000	-1.00000	99.75000	-3.6901	0.19421	-0.56070	*
				1.00000	-1.00000	99.75000	-3.2317	0.17009	0.0	*
				2.00000	-1.00000	99.75000	-2.8578	0.15041	0.0	*
				3.00000	-1.00000	99.75000	-2.4838	0.13073	0.0	*
				4.00000	-1.00000	99.75000	-2.1098	0.11104	0.0	*
				5.00000	-1.00000	99.75000	-1.7359	0.091362	0.0	*
				-40.00000	0.00000	99.75000	0.0	0.0	0.37484	*
				-39.00000	0.00000	99.75000	0.0	0.0	0.44205	*
				-38.00000	0.00000	99.75000	0.0	0.0	0.52434	*
				-37.00000	0.00000	99.75000	1.0000	0.0	0.62409	*
				-36.00000	0.00000	99.75000	2.0000	0.0	0.74101	*
				-35.00000	0.00000	99.75000	3.0000	0.0	0.86485	*
				-34.00000	0.00000	99.75000	4.0833	0.0	0.96647	*
				-33.00000	0.00000	99.75000	5.4167	0.0	1.0687	*
				-32.00000	0.00000	99.75000	6.7500	0.0	0.84576	*
				-31.00000	0.00000	99.75000	Point lies within an excavation.			*
				-30.00000	0.00000	99.75000	Point lies within an excavation.			*
				-29.00000	0.00000	99.75000	Point lies within an excavation.			*
				-28.00000	0.00000	99.75000	Point lies within an excavation.			*
				-27.00000	0.00000	99.75000	Point lies within an excavation.			*
				-26.00000	0.00000	99.75000	Point lies within an excavation.			*
				-25.00000	0.00000	99.75000	Point lies within an excavation.			*
				-24.00000	0.00000	99.75000	Point lies within an excavation.			*
				-23.00000	0.00000	99.75000	Point lies within an excavation.			*
				-22.00000	0.00000	99.75000	Point lies within an excavation.			*
				-21.00000	0.00000	99.75000	Point lies within an excavation.			*
				-20.00000	0.00000	99.75000	Point lies within an excavation.			*
				-19.00000	0.00000	99.75000	Point lies within an excavation.			*
				-18.00000	0.00000	99.75000	Point lies within an excavation.			*
				-17.00000	0.00000	99.75000	Point lies within an excavation.			*
				-16.00000	0.00000	99.75000	Point lies within an excavation.			*
				-15.00000	0.00000	99.75000	Point lies within an excavation.			*
				-14.00000	0.00000	99.75000	Point lies within an excavation.			*
				-13.00000	0.00000	99.75000	Point lies within an excavation.			*
				-12.00000	0.00000	99.75000	Point lies within an excavation.			*
				-11.00000	0.00000	99.75000	Point lies within an excavation.			*
				-10.00000	0.00000	99.75000	Point lies within an excavation.			*
				-9.00000	0.00000	99.75000	Point lies within an excavation.			*
				-8.00000	0.00000	99.75000	0.0	0.0	-5.5604	*
				-7.00000	0.00000	99.75000	Point lies within an excavation.			*
				-6.00000	0.00000	99.75000	Point lies within an excavation.			*
				-5.00000	0.00000	99.75000	-7.2591	0.38206	-0.76766	*
				-4.00000	0.00000	99.75000	-6.5528	0.34488	-0.61216	*
				-3.00000	0.00000	99.75000	-5.8464	0.30770	-0.67416	*
				-2.00000	0.00000	99.75000	-5.1400	0.27053	-0.71449	*
				-1.00000	0.00000	99.75000	-4.4336	0.23335	-0.67658	*
				0.00000	0.00000	99.75000	-3.7272	0.19617	-0.59462	*
				1.00000	0.00000	99.75000	-3.2514	0.17113	0.0	*
				2.00000	0.00000	99.75000	-2.8774	0.15144	0.0	*
				3.00000	0.00000	99.75000	-2.5035	0.13176	0.0	*
				4.00000	0.00000	99.75000	-2.1295	0.11208	0.0	*
				5.00000	0.00000	99.75000	-1.7556	0.092398	0.0	*
				-40.00000	1.00000	99.75000	0.0	0.0	0.37325	*
				-39.00000	1.00000	99.75000	0.0	0.0	0.43883	*
				-38.00000	1.00000	99.75000	0.0	0.0	0.51762	*
				-37.00000	1.00000	99.75000	1.0000	0.0	0.60980	*
				-36.00000	1.00000	99.75000	2.0000	0.0	0.71034	*
				-35.00000	1.00000	99.75000	3.0000	0.0	0.80008	*
				-34.00000	1.00000	99.75000	4.0833	0.0	0.83850	*
				-33.00000	1.00000	99.75000	5.4167	0.0	0.85252	*
				-32.00000	1.00000	99.75000	6.7500	0.0	0.56370	*



Job No. LJ20089	Sheet No.	Rev.
Drg. Ref.		
Mat by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-31.00000	1.00000	99.75000	Point lies within an excavation.			*
				-30.00000	1.00000	99.75000	Point lies within an excavation.			*
				-29.00000	1.00000	99.75000	Point lies within an excavation.			*
				-28.00000	1.00000	99.75000	Point lies within an excavation.			*
				-27.00000	1.00000	99.75000	Point lies within an excavation.			*
				-26.00000	1.00000	99.75000	Point lies within an excavation.			*
				-25.00000	1.00000	99.75000	Point lies within an excavation.			*
				-24.00000	1.00000	99.75000	Point lies within an excavation.			*
				-23.00000	1.00000	99.75000	Point lies within an excavation.			*
				-22.00000	1.00000	99.75000	Point lies within an excavation.			*
				-21.00000	1.00000	99.75000	Point lies within an excavation.			*
				-20.00000	1.00000	99.75000	Point lies within an excavation.			*
				-19.00000	1.00000	99.75000	Point lies within an excavation.			*
				-18.00000	1.00000	99.75000	Point lies within an excavation.			*
				-17.00000	1.00000	99.75000	Point lies within an excavation.			*
				-16.00000	1.00000	99.75000	Point lies within an excavation.			*
				-15.00000	1.00000	99.75000	Point lies within an excavation.			*
				-14.00000	1.00000	99.75000	Point lies within an excavation.			*
				-13.00000	1.00000	99.75000	Point lies within an excavation.			*
				-12.00000	1.00000	99.75000	Point lies within an excavation.			*
				-11.00000	1.00000	99.75000	Point lies within an excavation.			*
				-10.00000	1.00000	99.75000	Point lies within an excavation.			*
				-9.00000	1.00000	99.75000	Point lies within an excavation.			*
				-8.00000	1.00000	99.75000	0.0	0.0	-5.9663	*
				-7.00000	1.00000	99.75000	Point lies within an excavation.			*
				-6.00000	1.00000	99.75000	Point lies within an excavation.			*
				-5.00000	1.00000	99.75000	-7.2963	0.38402	-0.90407	*
				-4.00000	1.00000	99.75000	-6.5899	0.34684	-0.69468	*
				-3.00000	1.00000	99.75000	-5.8836	0.30966	-0.72790	*
				-2.00000	1.00000	99.75000	-5.1772	0.27248	-0.75329	*
				-1.00000	1.00000	99.75000	-4.4708	0.23531	-0.70710	*
				0.00000	1.00000	99.75000	-3.7644	0.19813	-0.61743	*
				1.00000	1.00000	99.75000	-3.2711	0.17216	0.0	*
				2.00000	1.00000	99.75000	-2.8971	0.15248	0.0	*
				3.00000	1.00000	99.75000	-2.5232	0.13280	0.0	*
				4.00000	1.00000	99.75000	-2.1492	0.11312	0.0	*
				5.00000	1.00000	99.75000	-1.7752	0.093433	0.0	*
				-40.00000	2.00000	99.75000	0.0	0.0	0.37180	*
				-39.00000	2.00000	99.75000	0.0	0.0	0.43818	*
				-38.00000	2.00000	99.75000	0.0	0.0	0.51915	*
				-37.00000	2.00000	99.75000	1.0000	0.0	0.61669	*
				-36.00000	2.00000	99.75000	2.0000	0.0	0.72954	*
				-35.00000	2.00000	99.75000	3.0000	0.0	0.84569	*
				-34.00000	2.00000	99.75000	4.0833	0.0	0.93340	*
				-33.00000	2.00000	99.75000	5.4167	0.0	1.0156	*
				-32.00000	2.00000	99.75000	6.7500	0.0	0.77561	*
				-31.00000	2.00000	99.75000	Point lies within an excavation.			*
				-30.00000	2.00000	99.75000	Point lies within an excavation.			*
				-29.00000	2.00000	99.75000	Point lies within an excavation.			*
				-28.00000	2.00000	99.75000	Point lies within an excavation.			*
				-27.00000	2.00000	99.75000	Point lies within an excavation.			*
				-26.00000	2.00000	99.75000	Point lies within an excavation.			*
				-25.00000	2.00000	99.75000	Point lies within an excavation.			*
				-24.00000	2.00000	99.75000	Point lies within an excavation.			*
				-23.00000	2.00000	99.75000	Point lies within an excavation.			*
				-22.00000	2.00000	99.75000	Point lies within an excavation.			*
				-21.00000	2.00000	99.75000	Point lies within an excavation.			*
				-20.00000	2.00000	99.75000	Point lies within an excavation.			*
				-19.00000	2.00000	99.75000	Point lies within an excavation.			*
				-18.00000	2.00000	99.75000	Point lies within an excavation.			*
				-17.00000	2.00000	99.75000	Point lies within an excavation.			*
				-16.00000	2.00000	99.75000	Point lies within an excavation.			*
				-15.00000	2.00000	99.75000	Point lies within an excavation.			*
				-14.00000	2.00000	99.75000	Point lies within an excavation.			*
				-13.00000	2.00000	99.75000	Point lies within an excavation.			*
				-12.00000	2.00000	99.75000	Point lies within an excavation.			*
				-11.00000	2.00000	99.75000	Point lies within an excavation.			*
				-10.00000	2.00000	99.75000	Point lies within an excavation.			*
				-9.00000	2.00000	99.75000	Point lies within an excavation.			*
				-8.00000	2.00000	99.75000	0.0	0.0	-6.2180	*
				-7.00000	2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	2.00000	99.75000	-7.3335	0.38597	-0.82805	*
				-4.00000	2.00000	99.75000	-6.6271	0.34880	-0.70439	*
				-3.00000	2.00000	99.75000	-5.9207	0.31162	-0.73829	*
				-2.00000	2.00000	99.75000	-5.2144	0.27444	-0.76369	*
				-1.00000	2.00000	99.75000	-4.5080	0.23726	-0.71846	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				0.00000	2.00000	99.75000	-3.8016	0.20008	-0.62718	*
				1.00000	2.00000	99.75000	-3.2908	0.17320	0.0	
				2.00000	2.00000	99.75000	-2.9168	0.15352	0.0	
				3.00000	2.00000	99.75000	-2.5428	0.13383	0.0	
				4.00000	2.00000	99.75000	-2.1689	0.11415	0.0	
				5.00000	2.00000	99.75000	-1.7949	0.094469	0.0	
				-40.00000	3.00000	99.75000	0.0	0.0	0.37000	*
				-39.00000	3.00000	99.75000	0.0	0.0	0.43904	*
				-38.00000	3.00000	99.75000	0.0	0.0	0.52670	*
				-37.00000	3.00000	99.75000	1.0000	0.0	0.64015	*
				-36.00000	3.00000	99.75000	2.0000	0.0	0.79012	*
				-35.00000	3.00000	99.75000	3.0000	0.0	0.99135	*
				-34.00000	3.00000	99.75000	4.0833	0.0	1.2628	*
				-33.00000	3.00000	99.75000	5.4167	0.0	1.6623	*
				-32.00000	3.00000	99.75000	6.7500	0.0	1.6808	*
				-31.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	3.00000	99.75000	0.0	0.0	-6.3847	*
				-7.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	3.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	3.00000	99.75000	-7.3707	0.38793	-0.75806	*
				-4.00000	3.00000	99.75000	-6.6643	0.35075	-0.65996	*
				-3.00000	3.00000	99.75000	-5.9579	0.31357	-0.70566	*
				-2.00000	3.00000	99.75000	-5.2515	0.27640	-0.74416	*
				-1.00000	3.00000	99.75000	-4.5452	0.23922	-0.70939	*
				0.00000	3.00000	99.75000	-3.8388	0.20204	-0.62301	*
				1.00000	3.00000	99.75000	-3.3105	0.17423	0.0	
				2.00000	3.00000	99.75000	-2.9365	0.15455	0.0	
				3.00000	3.00000	99.75000	-2.5625	0.13487	0.0	
				4.00000	3.00000	99.75000	-2.1886	0.11519	0.0	
				5.00000	3.00000	99.75000	-1.8146	0.095505	0.0	
				-40.00000	4.00000	99.75000	0.0	0.0	0.36647	*
				-39.00000	4.00000	99.75000	0.0	0.0	0.43843	*
				-38.00000	4.00000	99.75000	0.0	0.0	0.53380	*
				-37.00000	4.00000	99.75000	1.0000	0.0	0.66624	*
				-36.00000	4.00000	99.75000	2.0000	0.0	0.86308	*
				-35.00000	4.00000	99.75000	3.0000	0.0	1.1861	*
				-34.00000	4.00000	99.75000	4.0833	0.0	1.8071	*
				-33.00000	4.00000	99.75000	5.4167	0.0	3.3071	*
				-32.00000	4.00000	99.75000	6.7500	0.0	4.9833	*
				-31.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	4.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	4.00000	99.75000	Point lies	within an	excavation.	*

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-15.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-8.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-7.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-6.00000	4.00000	99.75000	Point lies	within	an excavation.	*
				-5.00000	4.00000	99.75000	-7.4078	0.38989	-0.88526	*
				-4.00000	4.00000	99.75000	-6.7015	0.35271	-0.55864	*
				-3.00000	4.00000	99.75000	-5.9951	0.31553	-0.62866	*
				-2.00000	4.00000	99.75000	-5.2887	0.27835	-0.69489	*
				-1.00000	4.00000	99.75000	-4.5823	0.24118	-0.68031	*
				0.00000	4.00000	99.75000	-3.8760	0.20400	-0.60524	*
				1.00000	4.00000	99.75000	-3.3301	0.17527	0.0	*
				2.00000	4.00000	99.75000	-2.9562	0.15559	0.0	*
				3.00000	4.00000	99.75000	-2.5822	0.13591	0.0	*
				4.00000	4.00000	99.75000	-2.2082	0.11622	0.0	*
				5.00000	4.00000	99.75000	-1.8343	0.096541	0.0	*
				-40.00000	5.00000	99.75000	0.0	0.0	0.35950	*
				-39.00000	5.00000	99.75000	0.0	0.0	0.43270	*
				-38.00000	5.00000	99.75000	0.0	0.0	0.53249	*
				-37.00000	5.00000	99.75000	1.0000	0.0	0.67682	*
				-36.00000	5.00000	99.75000	2.0000	0.0	0.90444	*
				-35.00000	5.00000	99.75000	3.0000	0.0	1.3136	*
				-34.00000	5.00000	99.75000	4.0833	0.0	2.2456	*
				-33.00000	5.00000	99.75000	5.4167	0.0	6.3748	*
				-32.00000	5.00000	99.75000	6.7500	0.0	12.099	*
				-31.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-30.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-29.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-28.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-27.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-26.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-25.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-24.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-23.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-22.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-21.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-20.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-19.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-18.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-17.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-16.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-15.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-14.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-13.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-12.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-11.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-10.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-9.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-8.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-7.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-6.00000	5.00000	99.75000	Point lies	within	an excavation.	*
				-5.00000	5.00000	99.75000	-7.4450	0.39184	-0.50591	*
				-4.00000	5.00000	99.75000	-6.7386	0.35467	-0.36081	*
				-3.00000	5.00000	99.75000	-6.0323	0.31749	-0.50672	*
				-2.00000	5.00000	99.75000	-5.3259	0.28031	-0.61873	*
				-1.00000	5.00000	99.75000	-4.6195	0.24313	-0.63354	*
				0.00000	5.00000	99.75000	-3.9131	0.20595	-0.57541	*
				1.00000	5.00000	99.75000	-3.3498	0.17631	0.0	*
				2.00000	5.00000	99.75000	-2.9759	0.15662	0.0	*
				3.00000	5.00000	99.75000	-2.6019	0.13694	0.0	*
				4.00000	5.00000	99.75000	-2.2279	0.11726	0.0	*
				5.00000	5.00000	99.75000	-1.8540	0.097577	0.0	*
				-40.00000	6.00000	99.75000	0.0	0.0	0.34784	*
				-39.00000	6.00000	99.75000	0.0	0.0	0.41924	*
				-38.00000	6.00000	99.75000	0.0	0.0	0.51716	*
				-37.00000	6.00000	99.75000	1.0000	0.0	0.65926	*
				-36.00000	6.00000	99.75000	2.0000	0.0	0.88208	*
				-35.00000	6.00000	99.75000	3.0000	0.0	1.2710	*
				-34.00000	6.00000	99.75000	4.0833	0.0	2.0783	*
				-33.00000	6.00000	99.75000	5.4167	0.0	4.3257	*
				-32.00000	6.00000	99.75000	6.7500	0.0	10.901	*
				-31.00000	6.00000	99.75000	Point lies	within	an excavation.	*

Job No. LJ20089	Sheet No.	Rev.
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-30.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-7.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	6.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	6.00000	99.75000	-7.4822	0.39380	0.21019	*
				-4.00000	6.00000	99.75000	-6.7758	0.35662	-0.10120	*
				-3.00000	6.00000	99.75000	-6.0694	0.31944	-0.35359	*
				-2.00000	6.00000	99.75000	-5.3631	0.28227	-0.52309	*
				-1.00000	6.00000	99.75000	-4.6492	0.23715	-0.57341	*
				0.00000	6.00000	99.75000	-3.9194	0.17557	-0.53616	*
				1.00000	6.00000	99.75000	-3.3291	0.13519	0.0	*
				2.00000	6.00000	99.75000	-2.9505	0.11092	0.0	*
				3.00000	6.00000	99.75000	-2.5759	0.090980	0.0	*
				4.00000	6.00000	99.75000	-2.2040	0.073933	0.0	*
				5.00000	6.00000	99.75000	-1.8341	0.058910	0.0	*
				-40.00000	7.00000	99.75000	0.0	0.0	0.33119	*
				-39.00000	7.00000	99.75000	0.0	0.0	0.39753	*
				-38.00000	7.00000	99.75000	0.0	0.0	0.48719	*
				-37.00000	7.00000	99.75000	0.84182	-0.094580	0.61372	*
				-36.00000	7.00000	99.75000	1.6794	-0.24138	0.80170	*
				-35.00000	7.00000	99.75000	2.4148	-0.48032	1.0967	*
				-34.00000	7.00000	99.75000	2.9385	-0.93938	1.5826	*
				-33.00000	7.00000	99.75000	2.8765	-2.1669	2.4151	*
				-32.00000	7.00000	99.75000	0.0	-5.6989	3.2924	*
				-31.00000	7.00000	99.75000	0.0	-5.7194	3.3121	*
				-30.00000	7.00000	99.75000	0.0	-5.7471	2.9311	*
				-29.00000	7.00000	99.75000	0.0	-5.7840	2.5833	*
				-28.00000	7.00000	99.75000	0.0	-5.8330	2.3117	*
				-27.00000	7.00000	99.75000	0.0	-5.8980	2.0820	*
				-26.00000	7.00000	99.75000	0.0	-5.9851	1.8663	*
				-25.00000	7.00000	99.75000	0.0	-6.1035	1.6793	*
				-24.00000	7.00000	99.75000	0.0	-6.2692	1.5784	*
				-23.00000	7.00000	99.75000	0.0	-6.5279	1.5802	*
				-22.00000	7.00000	99.75000	0.0	-6.9404	1.6909	*
				-21.00000	7.00000	99.75000	0.0	-7.6403	1.9159	*
				-20.00000	7.00000	99.75000	0.0	-9.0194	2.1780	*
				-19.00000	7.00000	99.75000	0.0	-12.541	2.3998	*
				-18.00000	7.00000	99.75000	0.0	-20.578	2.8414	*
				-17.00000	7.00000	99.75000	0.0	-17.615	2.0983	*
				-16.00000	7.00000	99.75000	0.0	-16.621	1.4457	*
				-15.00000	7.00000	99.75000	0.0	-16.230	0.92060	*
				-14.00000	7.00000	99.75000	0.0	-16.015	0.52200	*
				-13.00000	7.00000	99.75000	0.0	-15.880	0.20554	*
				-12.00000	7.00000	99.75000	0.0	-15.808	-0.092311	*
				-11.00000	7.00000	99.75000	0.0	-11.371	-0.43068	*
				-10.00000	7.00000	99.75000	0.0	-6.9333	-0.67385	*
				-9.00000	7.00000	99.75000	0.0	-6.9333	-0.73783	*
				-8.00000	7.00000	99.75000	0.0	-6.9333	-0.67789	*
				-7.00000	7.00000	99.75000	0.0	-6.9333	-0.51909	*
				-6.00000	7.00000	99.75000	0.0	-6.9333	-0.28012	*
				-5.00000	7.00000	99.75000	0.0	-6.9333	-0.0014037	*
				-4.00000	7.00000	99.75000	-3.6340	-2.7626	-0.038604	*
				-3.00000	7.00000	99.75000	-4.3743	-1.3636	-0.28239	*
				-2.00000	7.00000	99.75000	-4.2722	-0.79778	-0.46081	*
				-1.00000	7.00000	99.75000	-3.8952	-0.50495	-0.52158	*
				0.00000	7.00000	99.75000	-3.3994	-0.33029	-0.49606	*

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
		1.00000	7.00000	99.75000	-2.9684	-0.22639	0.0			
		2.00000	7.00000	99.75000	-2.6735	-0.16500	0.0			
		3.00000	7.00000	99.75000	-2.3620	-0.12047	0.0			
		4.00000	7.00000	99.75000	-2.0393	-0.087269	0.0			
		5.00000	7.00000	99.75000	-1.7087	-0.062028	0.0			
		-40.00000	8.00000	99.75000	0.0	0.0	0.31025	*		
		-39.00000	8.00000	99.75000	0.0	0.0	0.36911	*		
		-38.00000	8.00000	99.75000	0.0	0.0	0.44637	*		
		-37.00000	8.00000	99.75000	0.53499	-0.15088	0.55043	*		
		-36.00000	8.00000	99.75000	1.1793	-0.43439	0.69381	*		
		-35.00000	8.00000	99.75000	1.6408	-0.86060	0.89273	*		
		-34.00000	8.00000	99.75000	1.7654	-1.5439	1.1585	*		
		-33.00000	8.00000	99.75000	1.2928	-2.7117	1.4745	*		
		-32.00000	8.00000	99.75000	0.0	-4.4097	1.7258	*		
		-31.00000	8.00000	99.75000	0.0	-4.4828	1.7720	*		
		-30.00000	8.00000	99.75000	0.0	-4.5715	1.6589	*		
		-29.00000	8.00000	99.75000	0.0	-4.6802	1.4922	*		
		-28.00000	8.00000	99.75000	0.0	-4.8146	1.3266	*		
		-27.00000	8.00000	99.75000	0.0	-4.9829	1.1748	*		
		-26.00000	8.00000	99.75000	0.0	-5.1973	1.0397	*		
		-25.00000	8.00000	99.75000	0.0	-5.4762	0.93052	*		
		-24.00000	8.00000	99.75000	0.0	-5.8491	0.86107	*		
		-23.00000	8.00000	99.75000	0.0	-6.3936	0.84239	*		
		-22.00000	8.00000	99.75000	0.0	-7.2304	0.87622	*		
		-21.00000	8.00000	99.75000	0.0	-8.5206	0.96156	*		
		-20.00000	8.00000	99.75000	0.0	-10.645	1.0910	*		
		-19.00000	8.00000	99.75000	0.0	-14.243	1.2587	*		
		-18.00000	8.00000	99.75000	0.0	-18.505	1.3499	*		
		-17.00000	8.00000	99.75000	0.0	-16.894	1.0272	*		
		-16.00000	8.00000	99.75000	0.0	-15.853	0.68233	*		
		-15.00000	8.00000	99.75000	0.0	-15.235	0.35932	*		
		-14.00000	8.00000	99.75000	0.0	-14.844	0.082286	*		
		-13.00000	8.00000	99.75000	0.0	-14.580	-0.15118	*		
		-12.00000	8.00000	99.75000	0.0	-14.475	-0.35459	*		
		-11.00000	8.00000	99.75000	0.0	-10.350	-0.53036	*		
		-10.00000	8.00000	99.75000	0.0	-6.2250	-0.65162	*		
		-9.00000	8.00000	99.75000	0.0	-6.2250	-0.69563	*		
		-8.00000	8.00000	99.75000	0.0	-6.2250	-0.66640	*		
		-7.00000	8.00000	99.75000	0.0	-6.2250	-0.57624	*		
		-6.00000	8.00000	99.75000	0.0	-6.2250	-0.44090	*		
		-5.00000	8.00000	99.75000	0.0	-6.2250	-0.28275	*		
		-4.00000	8.00000	99.75000	-1.8846	-4.0551	-0.24998	*		
		-3.00000	8.00000	99.75000	-2.8836	-2.5547	-0.36300	*		
		-2.00000	8.00000	99.75000	-3.1830	-1.6669	-0.46405	*		
		-1.00000	8.00000	99.75000	-3.1021	-1.1233	-0.48960	*		
		0.00000	8.00000	99.75000	-2.8157	-0.76803	-0.46182	*		
		1.00000	8.00000	99.75000	-2.5781	-0.55857	0.0			
		2.00000	8.00000	99.75000	-2.3650	-0.42181	0.0			
		3.00000	8.00000	99.75000	-2.1168	-0.31883	0.0			
		4.00000	8.00000	99.75000	-1.8444	-0.23910	0.0			
		5.00000	8.00000	99.75000	-1.5547	-0.17604	0.0			
		-40.00000	9.00000	99.75000	0.0	0.0	0.28639	*		
		-39.00000	9.00000	99.75000	0.0	0.0	0.33664	*		
		-38.00000	9.00000	99.75000	0.0	0.0	0.40020	*		
		-37.00000	9.00000	99.75000	0.18184	-0.087545	0.48138	*		
		-36.00000	9.00000	99.75000	0.68294	-0.43444	0.58501	*		
		-35.00000	9.00000	99.75000	0.98978	-0.90656	0.71415	*		
		-34.00000	9.00000	99.75000	1.0105	-1.5486	0.86417	*		
		-33.00000	9.00000	99.75000	0.66098	-2.3658	1.0131	*		
		-32.00000	9.00000	99.75000	0.0	-3.2871	1.1198	*		
		-31.00000	9.00000	99.75000	0.0	-3.4088	1.1500	*		
		-30.00000	9.00000	99.75000	0.0	-3.5535	1.1075	*		
		-29.00000	9.00000	99.75000	0.0	-3.7269	1.0229	*		
		-28.00000	9.00000	99.75000	0.0	-3.9369	0.92340	*		
		-27.00000	9.00000	99.75000	0.0	-4.1945	0.82395	*		
		-26.00000	9.00000	99.75000	0.0	-4.5152	0.73272	*		
		-25.00000	9.00000	99.75000	0.0	-4.9216	0.65628	*		
		-24.00000	9.00000	99.75000	0.0	-5.4478	0.59995	*		
		-23.00000	9.00000	99.75000	0.0	-6.1462	0.56482	*		
		-22.00000	9.00000	99.75000	0.0	-7.2030	0.56050	*		
		-21.00000	9.00000	99.75000	0.0	-8.6815	0.57471	*		
		-20.00000	9.00000	99.75000	0.0	-10.756	0.61071	*		
		-19.00000	9.00000	99.75000	0.0	-13.521	0.64910	*		
		-18.00000	9.00000	99.75000	0.0	-16.190	0.61275	*		
		-17.00000	9.00000	99.75000	0.0	-15.334	0.42054	*		
		-16.00000	9.00000	99.75000	0.0	-14.547	0.20611	*		
		-15.00000	9.00000	99.75000	0.0	-13.942	-0.0059663	*		



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-14.00000	9.00000	99.75000	0.0	-13.498	-0.19912	*
				-13.00000	9.00000	99.75000	0.0	-13.171	-0.36725	*
				-12.00000	9.00000	99.75000	0.0	-13.142	-0.50944	*
				-11.00000	9.00000	99.75000	0.0	-9.3292	-0.62247	*
				-10.00000	9.00000	99.75000	0.0	-5.5167	-0.69799	*
				-9.00000	9.00000	99.75000	0.0	-5.5167	-0.72894	*
				-8.00000	9.00000	99.75000	0.0	-5.5167	-0.71542	*
				-7.00000	9.00000	99.75000	0.0	-5.5167	-0.66333	*
				-6.00000	9.00000	99.75000	0.0	-5.5167	-0.58228	*
				-5.00000	9.00000	99.75000	0.0	-5.5167	-0.48452	*
				-4.00000	9.00000	99.75000	-1.1382	-4.1943	-0.43574	*
				-3.00000	9.00000	99.75000	-1.9316	-3.0267	-0.45616	*
				-2.00000	9.00000	99.75000	-2.3166	-2.1516	-0.47596	*
				-1.00000	9.00000	99.75000	-2.3868	-1.5257	-0.46104	*
				0.00000	9.00000	99.75000	-2.2672	-1.0863	-0.43263	*
				1.00000	9.00000	99.75000	-2.1922	-0.83149	0.0	
				2.00000	9.00000	99.75000	-2.0486	-0.63858	0.0	
				3.00000	9.00000	99.75000	-1.8573	-0.48889	0.0	
				4.00000	9.00000	99.75000	-1.6321	-0.37021	0.0	
				5.00000	9.00000	99.75000	-1.3817	-0.27441	0.0	
				-40.00000	10.00000	99.75000	0.0	0.0	0.26114	*
				-39.00000	10.00000	99.75000	0.0	0.0	0.30279	*
				-38.00000	10.00000	99.75000	0.0	0.0	0.35347	*
				-37.00000	10.00000	99.75000	0.0	0.0	0.41492	*
				-36.00000	10.00000	99.75000	0.24926	-0.23350	0.48822	*
				-35.00000	10.00000	99.75000	0.49288	-0.66563	0.57216	*
				-34.00000	10.00000	99.75000	0.52612	-1.1797	0.66081	*
				-33.00000	10.00000	99.75000	0.33920	-1.7314	0.74148	*
				-32.00000	10.00000	99.75000	0.0	-2.2885	0.79710	*
				-31.00000	10.00000	99.75000	0.0	-2.4534	0.81505	*
				-30.00000	10.00000	99.75000	0.0	-2.6467	0.79523	*
				-29.00000	10.00000	99.75000	0.0	-2.8751	0.74807	*
				-28.00000	10.00000	99.75000	0.0	-3.1474	0.68630	*
				-27.00000	10.00000	99.75000	0.0	-3.4756	0.61985	*
				-26.00000	10.00000	99.75000	0.0	-3.8757	0.55553	*
				-25.00000	10.00000	99.75000	0.0	-4.3700	0.49797	*
				-24.00000	10.00000	99.75000	0.0	-4.9892	0.44974	*
				-23.00000	10.00000	99.75000	0.0	-5.7753	0.41039	*
				-22.00000	10.00000	99.75000	0.0	-6.8120	0.38035	*
				-21.00000	10.00000	99.75000	0.0	-8.2386	0.36054	*
				-20.00000	10.00000	99.75000	0.0	-10.020	0.33866	*
				-19.00000	10.00000	99.75000	0.0	-12.095	0.30575	*
				-18.00000	10.00000	99.75000	0.0	-13.930	0.23164	*
				-17.00000	10.00000	99.75000	0.0	-13.431	0.099253	*
				-16.00000	10.00000	99.75000	0.0	-12.880	-0.046268	*
				-15.00000	10.00000	99.75000	0.0	-12.381	-0.19261	*
				-14.00000	10.00000	99.75000	0.0	-11.966	-0.32973	*
				-13.00000	10.00000	99.75000	0.0	-11.808	-0.45132	*
				-12.00000	10.00000	99.75000	0.0	-11.808	-0.55364	*
				-11.00000	10.00000	99.75000	0.0	-8.3083	-0.63326	*
				-10.00000	10.00000	99.75000	0.0	-4.8083	-0.68641	*
				-9.00000	10.00000	99.75000	0.0	-4.8083	-0.71046	*
				-8.00000	10.00000	99.75000	0.0	-4.8083	-0.70566	*
				-7.00000	10.00000	99.75000	0.0	-4.8083	-0.67532	*
				-6.00000	10.00000	99.75000	0.0	-4.8083	-0.62510	*
				-5.00000	10.00000	99.75000	0.0	-4.8083	-0.56205	*
				-4.00000	10.00000	99.75000	-0.74661	-3.9297	-0.51238	*
				-3.00000	10.00000	99.75000	-1.3287	-3.0578	-0.48601	*
				-2.00000	10.00000	99.75000	-1.6734	-2.3068	-0.46039	*
				-1.00000	10.00000	99.75000	-1.7920	-1.7031	-0.43423	*
				0.00000	10.00000	99.75000	-1.8524	-1.3174	-0.38841	*
				1.00000	10.00000	99.75000	-1.8332	-1.0295	0.0	
				2.00000	10.00000	99.75000	-1.7421	-0.80200	0.0	
				3.00000	10.00000	99.75000	-1.5976	-0.61984	0.0	
				4.00000	10.00000	99.75000	-1.4133	-0.47188	0.0	
				5.00000	10.00000	99.75000	-1.1985	-0.35009	0.0	
				-40.00000	11.00000	99.75000	0.0	0.0	0.23584	*
				-39.00000	11.00000	99.75000	0.0	0.0	0.26967	*
				-38.00000	11.00000	99.75000	0.0	0.0	0.30930	*
				-37.00000	11.00000	99.75000	0.0	0.0	0.35515	*
				-36.00000	11.00000	99.75000	0.0	0.0	0.40682	*
				-35.00000	11.00000	99.75000	0.12077	-0.21884	0.46226	*
				-34.00000	11.00000	99.75000	0.20107	-0.59893	0.51701	*
				-33.00000	11.00000	99.75000	0.14343	-0.95351	0.56405	*
				-32.00000	11.00000	99.75000	0.0	-1.2565	0.59546	*
				-31.00000	11.00000	99.75000	0.0	-1.4577	0.60573	*
				-30.00000	11.00000	99.75000	0.0	-1.6909	0.59433	*

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-29.00000	11.00000	99.75000	0.0	-1.9629	0.56533	*
				-28.00000	11.00000	99.75000	0.0	-2.2826	0.52487	*
				-27.00000	11.00000	99.75000	0.0	-2.6611	0.47877	*
				-26.00000	11.00000	99.75000	0.0	-3.1131	0.43158	*
				-25.00000	11.00000	99.75000	0.0	-3.6572	0.38640	*
				-24.00000	11.00000	99.75000	0.0	-4.3168	0.34466	*
				-23.00000	11.00000	99.75000	0.0	-5.1197	0.30580	*
				-22.00000	11.00000	99.75000	0.0	-6.0951	0.26707	*
				-21.00000	11.00000	99.75000	0.0	-7.2674	0.22460	*
				-20.00000	11.00000	99.75000	0.0	-8.7347	0.18822	*
				-19.00000	11.00000	99.75000	0.0	-10.308	0.13512	*
				-18.00000	11.00000	99.75000	0.0	-11.639	0.060684	*
				-17.00000	11.00000	99.75000	0.0	-11.363	-0.035845	*
				-16.00000	11.00000	99.75000	0.0	-10.998	-0.13998	*
				-15.00000	11.00000	99.75000	0.0	-10.620	-0.24497	*
				-14.00000	11.00000	99.75000	0.0	-10.475	-0.34453	*
				-13.00000	11.00000	99.75000	0.0	-10.475	-0.43382	*
				-12.00000	11.00000	99.75000	0.0	-10.475	-0.50927	*
				-11.00000	11.00000	99.75000	0.0	-7.2875	-0.56808	*
				-10.00000	11.00000	99.75000	0.0	-4.1000	-0.60802	*
				-9.00000	11.00000	99.75000	0.0	-4.1000	-0.62792	*
				-8.00000	11.00000	99.75000	0.0	-4.1000	-0.62810	*
				-7.00000	11.00000	99.75000	0.0	-4.1000	-0.61062	*
				-6.00000	11.00000	99.75000	0.0	-4.1000	-0.57889	*
				-5.00000	11.00000	99.75000	0.0	-4.1000	-0.53718	*
				-4.00000	11.00000	99.75000	-0.50881	-3.4907	-0.49531	*
				-3.00000	11.00000	99.75000	-0.92690	-2.8397	-0.46021	*
				-2.00000	11.00000	99.75000	-1.2035	-2.2339	-0.43411	*
				-1.00000	11.00000	99.75000	-1.4026	-1.8036	-0.38875	*
				0.00000	11.00000	99.75000	-1.4999	-1.4450	-0.34710	*
				1.00000	11.00000	99.75000	-1.5123	-1.1496	0.0	
				2.00000	11.00000	99.75000	-1.4568	-0.90666	0.0	
				3.00000	11.00000	99.75000	-1.3478	-0.70582	0.0	
				4.00000	11.00000	99.75000	-1.1968	-0.53858	0.0	
				5.00000	11.00000	99.75000	-1.0125	-0.39814	0.0	
				-40.00000	12.00000	99.75000	0.0	0.0	0.21149	*
				-39.00000	12.00000	99.75000	0.0	0.0	0.23860	*
				-38.00000	12.00000	99.75000	0.0	0.0	0.26927	*
				-37.00000	12.00000	99.75000	0.0	0.0	0.30332	*
				-36.00000	12.00000	99.75000	0.0	0.0	0.33992	*
				-35.00000	12.00000	99.75000	0.0	0.0	0.37725	*
				-34.00000	12.00000	99.75000	0.0	0.0	0.41230	*
				-33.00000	12.00000	99.75000	0.012437	-0.10199	0.44110	*
				-32.00000	12.00000	99.75000	0.0	-0.20000	0.45962	*
				-31.00000	12.00000	99.75000	0.0	-0.41519	0.46516	*
				-30.00000	12.00000	99.75000	0.0	-0.67906	0.45725	*
				-29.00000	12.00000	99.75000	0.0	-0.98299	0.43767	*
				-28.00000	12.00000	99.75000	0.0	-1.3349	0.40949	*
				-27.00000	12.00000	99.75000	0.0	-1.7445	0.37602	*
				-26.00000	12.00000	99.75000	0.0	-2.2235	0.34008	*
				-25.00000	12.00000	99.75000	0.0	-2.7858	0.30364	*
				-24.00000	12.00000	99.75000	0.0	-3.4465	0.26758	*
				-23.00000	12.00000	99.75000	0.0	-4.2209	0.23157	*
				-22.00000	12.00000	99.75000	0.0	-5.1197	0.19405	*
				-21.00000	12.00000	99.75000	0.0	-6.1410	0.15257	*
				-20.00000	12.00000	99.75000	0.0	-7.2591	0.10442	*
				-19.00000	12.00000	99.75000	0.0	-8.4118	0.047678	*
				-18.00000	12.00000	99.75000	0.0	-9.3922	-0.018043	*
				-17.00000	12.00000	99.75000	0.0	-9.2671	-0.091193	*
				-16.00000	12.00000	99.75000	0.0	-9.2000	-0.16862	*
				-15.00000	12.00000	99.75000	0.0	-9.2000	-0.24634	*
				-14.00000	12.00000	99.75000	0.0	-9.2000	-0.32034	*
				-13.00000	12.00000	99.75000	0.0	-9.2000	-0.38715	*
				-12.00000	12.00000	99.75000	0.0	-9.2000	-0.44400	*
				-11.00000	12.00000	99.75000	0.0	-6.3250	-0.48875	*
				-10.00000	12.00000	99.75000	0.0	-3.4500	-0.51993	*
				-9.00000	12.00000	99.75000	0.0	-3.4500	-0.53687	*
				-8.00000	12.00000	99.75000	0.0	-3.4500	-0.53984	*
				-7.00000	12.00000	99.75000	0.0	-3.4500	-0.53016	*
				-6.00000	12.00000	99.75000	0.0	-3.4500	-0.50997	*
				-5.00000	12.00000	99.75000	0.0	-3.4500	-0.48193	*
				-4.00000	12.00000	99.75000	-0.35897	-3.0395	-0.44884	*
				-3.00000	12.00000	99.75000	-0.67904	-2.6086	-0.41327	*
				-2.00000	12.00000	99.75000	-0.93267	-2.1932	-0.37725	*
				-1.00000	12.00000	99.75000	-1.1078	-1.8152	-0.34228	*
				0.00000	12.00000	99.75000	-1.2050	-1.4833	-0.30928	*
				1.00000	12.00000	99.75000	-1.2317	-1.1973	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by AT Date 30-Aug-2023

Checked Date

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				2.00000	12.00000	99.75000	-1.1981	-0.95324	0.0
				3.00000	12.00000	99.75000	-1.1141	-0.74528	0.0
				4.00000	12.00000	99.75000	-0.98866	-0.56781	0.0
				5.00000	12.00000	99.75000	-0.82935	-0.41575	0.0
				-40.00000	13.00000	99.75000	0.0	0.0	0.18872
				-39.00000	13.00000	99.75000	0.0	0.0	0.21026
				-38.00000	13.00000	99.75000	0.0	0.0	0.23388
				-37.00000	13.00000	99.75000	0.0	0.0	0.25918
				-36.00000	13.00000	99.75000	0.0	0.0	0.28532
				-35.00000	13.00000	99.75000	0.0	0.0	0.31091
				-34.00000	13.00000	99.75000	0.0	0.0	0.33395
				-33.00000	13.00000	99.75000	0.0	0.0	0.35212
				-32.00000	13.00000	99.75000	0.0	0.0	0.36323
				-31.00000	13.00000	99.75000	0.0	-0.12151	0.36578
				-30.00000	13.00000	99.75000	0.0	-0.40693	0.35946
				-29.00000	13.00000	99.75000	0.0	-0.73156	0.34509
				-28.00000	13.00000	99.75000	0.0	-1.1020	0.32427
				-27.00000	13.00000	99.75000	0.0	-1.5258	0.29886
				-26.00000	13.00000	99.75000	0.0	-2.0116	0.27056
				-25.00000	13.00000	99.75000	0.0	-2.5682	0.24060
				-24.00000	13.00000	99.75000	0.0	-3.2041	0.20956
				-23.00000	13.00000	99.75000	0.0	-3.9249	0.17732
				-22.00000	13.00000	99.75000	0.0	-4.7301	0.14306
				-21.00000	13.00000	99.75000	0.0	-5.6076	0.10557
				-20.00000	13.00000	99.75000	0.0	-6.5280	0.063547
				-19.00000	13.00000	99.75000	0.0	-7.4404	0.016176
				-18.00000	13.00000	99.75000	0.0	-8.2000	-0.036514
				-17.00000	13.00000	99.75000	0.0	-8.2000	-0.093463
				-16.00000	13.00000	99.75000	0.0	-8.2000	-0.15271
				-15.00000	13.00000	99.75000	0.0	-8.2000	-0.21175
				-14.00000	13.00000	99.75000	0.0	-8.2000	-0.26797
				-13.00000	13.00000	99.75000	0.0	-8.2000	-0.31893
				-12.00000	13.00000	99.75000	0.0	-8.2000	-0.36261
				-11.00000	13.00000	99.75000	0.0	-5.6375	-0.39743
				-10.00000	13.00000	99.75000	0.0	-3.0750	-0.42237
				-9.00000	13.00000	99.75000	0.0	-3.0750	-0.43696
				-8.00000	13.00000	99.75000	0.0	-3.0750	-0.44139
				-7.00000	13.00000	99.75000	0.0	-3.0750	-0.43652
				-6.00000	13.00000	99.75000	0.0	-3.0750	-0.42372
				-5.00000	13.00000	99.75000	0.0	-3.0750	-0.40470
				-4.00000	13.00000	99.75000	-0.27373	-2.7591	-0.38133
				-3.00000	13.00000	99.75000	-0.52208	-2.4167	-0.35536
				-2.00000	13.00000	99.75000	-0.72533	-2.0734	-0.32828
				-1.00000	13.00000	99.75000	-0.87219	-1.7472	-0.30127
				0.00000	13.00000	99.75000	-0.95939	-1.4486	-0.27514
				1.00000	13.00000	99.75000	-0.98922	-1.1816	0.0
				2.00000	13.00000	99.75000	-0.96705	-0.94606	0.0
				3.00000	13.00000	99.75000	-0.89937	-0.73973	0.0
				4.00000	13.00000	99.75000	-0.79268	-0.55947	0.0
				5.00000	13.00000	99.75000	-0.65290	-0.40196	0.0
				-40.00000	14.00000	99.75000	0.0	0.0	0.16785
				-39.00000	14.00000	99.75000	0.0	0.0	0.18488
				-38.00000	14.00000	99.75000	0.0	0.0	0.20304
				-37.00000	14.00000	99.75000	0.0	0.0	0.22190
				-36.00000	14.00000	99.75000	0.0	0.0	0.24073
				-35.00000	14.00000	99.75000	0.0	0.0	0.25851
				-34.00000	14.00000	99.75000	0.0	0.0	0.27393
				-33.00000	14.00000	99.75000	0.0	0.0	0.28558
				-32.00000	14.00000	99.75000	0.0	0.0	0.29215
				-31.00000	14.00000	99.75000	0.0	0.0	0.29280
				-30.00000	14.00000	99.75000	0.0	-0.27286	0.28729
				-29.00000	14.00000	99.75000	0.0	-0.60813	0.27600
				-28.00000	14.00000	99.75000	0.0	-0.98523	0.25979
				-27.00000	14.00000	99.75000	0.0	-1.4096	0.23973
				-26.00000	14.00000	99.75000	0.0	-1.8867	0.21682
				-25.00000	14.00000	99.75000	0.0	-2.4214	0.19184
				-24.00000	14.00000	99.75000	0.0	-3.0167	0.16519
				-23.00000	14.00000	99.75000	0.0	-3.6721	0.13687
				-22.00000	14.00000	99.75000	0.0	-4.3812	0.10652
				-21.00000	14.00000	99.75000	0.0	-5.1280	0.073568
				-20.00000	14.00000	99.75000	0.0	-5.8848	0.037460
				-19.00000	14.00000	99.75000	0.0	-6.6114	-0.0020855
				-18.00000	14.00000	99.75000	0.0	-7.2000	-0.044859
				-17.00000	14.00000	99.75000	0.0	-7.2000	-0.090074
				-16.00000	14.00000	99.75000	0.0	-7.2000	-0.13642
				-15.00000	14.00000	99.75000	0.0	-7.2000	-0.18226
				-14.00000	14.00000	99.75000	0.0	-7.2000	-0.22582

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
-13.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-7.2000	-0.26540	*
-12.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-7.2000	-0.29957	*
-11.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-4.9500	-0.32717	*
-10.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-2.7000	-0.34746	*
-9.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-2.7000	-0.36009	*
-8.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-2.7000	-0.36519	*
-7.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-2.7000	-0.36330	*
-6.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-2.7000	-0.35531	*
-5.00000	14.00000	99.75000		14.00000	99.75000	0.0	0.0	-2.7000	-0.34238	*
-4.00000	14.00000	99.75000		14.00000	99.75000	-0.20990	-2.4548	-2.4548	-0.32576	*
-3.00000	14.00000	99.75000		14.00000	99.75000	-0.40228	-2.1814	-2.1814	-0.30667	*
-2.00000	14.00000	99.75000		14.00000	99.75000	-0.56266	-1.8981	-1.8981	-0.28622	*
-1.00000	14.00000	99.75000		14.00000	99.75000	-0.68144	-1.6196	-1.6196	-0.26530	*
0.00000	14.00000	99.75000		14.00000	99.75000	-0.75414	-1.3558	-1.3558	-0.24460	*
1.00000	14.00000	99.75000		14.00000	99.75000	-0.78037	-1.1122	-1.1122	0.0	
2.00000	14.00000	99.75000		14.00000	99.75000	-0.76253	-0.89111	-0.89111	0.0	
3.00000	14.00000	99.75000		14.00000	99.75000	-0.70450	-0.69250	-0.69250	0.0	
4.00000	14.00000	99.75000		14.00000	99.75000	-0.61073	-0.51516	-0.51516	0.0	
5.00000	14.00000	99.75000		14.00000	99.75000	-0.48566	-0.35725	-0.35725	0.0	
-40.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.14898	*
-39.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.16242	*
-38.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.17638	*
-37.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.19048	*
-36.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.20414	*
-35.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.21662	*
-34.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.22704	*
-33.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.23450	*
-32.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.23820	*
-31.00000	15.00000	99.75000		15.00000	99.75000	0.0	0.0	0.0	0.23762	*
-30.00000	15.00000	99.75000		15.00000	99.75000	0.0	-0.077252	-0.077252	0.23257	*
-29.00000	15.00000	99.75000		15.00000	99.75000	0.0	-0.41456	-0.41456	0.22324	*
-28.00000	15.00000	99.75000		15.00000	99.75000	0.0	-0.78870	-0.78870	0.21010	*
-27.00000	15.00000	99.75000		15.00000	99.75000	0.0	-1.2031	-1.2031	0.19374	*
-26.00000	15.00000	99.75000		15.00000	99.75000	0.0	-1.6605	-1.6605	0.17479	*
-25.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.1627	-2.1627	0.15374	*
-24.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.7091	-2.7091	0.13087	*
-23.00000	15.00000	99.75000		15.00000	99.75000	0.0	-3.2955	-3.2955	0.10627	*
-22.00000	15.00000	99.75000		15.00000	99.75000	0.0	-3.9125	-3.9125	0.079804	*
-21.00000	15.00000	99.75000		15.00000	99.75000	0.0	-4.5438	-4.5438	0.051268	*
-20.00000	15.00000	99.75000		15.00000	99.75000	0.0	-5.1649	-5.1649	0.020474	*
-19.00000	15.00000	99.75000		15.00000	99.75000	0.0	-5.7440	-5.7440	-0.012590	*
-18.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.047647	*
-17.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.084087	*
-16.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.12099	*
-15.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.15722	*
-14.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.19157	*
-13.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.22284	*
-12.00000	15.00000	99.75000		15.00000	99.75000	0.0	-6.2000	-6.2000	-0.25000	*
-11.00000	15.00000	99.75000		15.00000	99.75000	0.0	-4.2625	-4.2625	-0.27222	*
-10.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.3250	-2.3250	-0.28894	*
-9.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.3250	-2.3250	-0.29992	*
-8.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.3250	-2.3250	-0.30520	*
-7.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.3250	-2.3250	-0.30514	*
-6.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.3250	-2.3250	-0.30035	*
-5.00000	15.00000	99.75000		15.00000	99.75000	0.0	-2.3250	-2.3250	-0.29158	*
-4.00000	15.00000	99.75000		15.00000	99.75000	-0.16035	-2.1347	-2.1347	-0.27972	*
-3.00000	15.00000	99.75000		15.00000	99.75000	-0.30805	-1.9162	-1.9162	-0.26562	*
-2.00000	15.00000	99.75000		15.00000	99.75000	-0.43221	-1.6830	-1.6830	-0.25011	*
-1.00000	15.00000	99.75000		15.00000	99.75000	-0.52490	-1.4468	-1.4468	-0.23386	*
0.00000	15.00000	99.75000		15.00000	99.75000	-0.58150	-1.2166	-1.2166	-0.21745	*
1.00000	15.00000	99.75000		15.00000	99.75000	-0.60038	-0.99814	-0.99814	0.0	
2.00000	15.00000	99.75000		15.00000	99.75000	-0.58213	-0.79472	-0.79472	0.0	
3.00000	15.00000	99.75000		15.00000	99.75000	-0.52883	-0.60778	-0.60778	0.0	
4.00000	15.00000	99.75000		15.00000	99.75000	-0.44338	-0.43744	-0.43744	0.0	
5.00000	15.00000	99.75000		15.00000	99.75000	-0.32895	-0.28303	-0.28303	0.0	
-40.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.13208	*
-39.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.14267	*
-38.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.15342	*
-37.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.16399	*
-36.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.17395	*
-35.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.18275	*
-34.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.18979	*
-33.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.19449	*
-32.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.19632	*
-31.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.19494	*
-30.00000	16.00000	99.75000		16.00000	99.75000	0.0	0.0	0.0	0.19022	*
-29.00000	16.00000	99.75000		16.00000	99.75000	0.0	-0.15432	-0.15432	0.18223	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. Sheet No. Rev.

LJ20089

Drg. Ref.

Made by
AT

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30-Aug-2023

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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-28.00000	16.00000	99.75000	0.0	-0.51796	0.17123	*
				-27.00000	16.00000	99.75000	0.0	-0.91463	0.15757	*
				-26.00000	16.00000	99.75000	0.0	-1.3451	0.14164	*
				-25.00000	16.00000	99.75000	0.0	-1.8088	0.12374	*
				-24.00000	16.00000	99.75000	0.0	-2.3028	0.10412	*
				-23.00000	16.00000	99.75000	0.0	-2.8209	0.082856	*
				-22.00000	16.00000	99.75000	0.0	-3.3527	0.059978	*
				-21.00000	16.00000	99.75000	0.0	-3.8828	0.035448	*
				-20.00000	16.00000	99.75000	0.0	-4.3903	0.0092706	*
				-19.00000	16.00000	99.75000	0.0	-4.8498	-0.018441	*
				-18.00000	16.00000	99.75000	0.0	-5.2000	-0.047400	*
				-17.00000	16.00000	99.75000	0.0	-5.2000	-0.077117	*
				-16.00000	16.00000	99.75000	0.0	-5.2000	-0.10692	*
				-15.00000	16.00000	99.75000	0.0	-5.2000	-0.13600	*
				-14.00000	16.00000	99.75000	0.0	-5.2000	-0.16350	*
				-13.00000	16.00000	99.75000	0.0	-5.2000	-0.18858	*
				-12.00000	16.00000	99.75000	0.0	-5.2000	-0.21048	*
				-11.00000	16.00000	99.75000	0.0	-3.5750	-0.22861	*
				-10.00000	16.00000	99.75000	0.0	-1.9500	-0.24255	*
				-9.00000	16.00000	99.75000	0.0	-1.9500	-0.25211	*
				-8.00000	16.00000	99.75000	0.0	-1.9500	-0.25731	*
				-7.00000	16.00000	99.75000	0.0	-1.9500	-0.25836	*
				-6.00000	16.00000	99.75000	0.0	-1.9500	-0.25569	*
				-5.00000	16.00000	99.75000	0.0	-1.9500	-0.24981	*
				-4.00000	16.00000	99.75000	-0.12079	-1.8036	-0.24134	*
				-3.00000	16.00000	99.75000	-0.23211	-1.6296	-0.23090	*
				-2.00000	16.00000	99.75000	-0.32558	-1.4385	-0.21909	*
				-1.00000	16.00000	99.75000	-0.39468	-1.2397	-0.20644	*
				0.00000	16.00000	99.75000	-0.43512	-1.0407	-0.19341	*
				1.00000	16.00000	99.75000	-0.44471	-0.84719	0.0	
				2.00000	16.00000	99.75000	-0.42305	-0.66288	0.0	
				3.00000	16.00000	99.75000	-0.37102	-0.48993	0.0	
				4.00000	16.00000	99.75000	-0.29036	-0.32935	0.0	
				5.00000	16.00000	99.75000	-0.18324	-0.18132	0.0	
				-40.00000	17.00000	99.75000	0.0	0.0	0.11705	*
				-39.00000	17.00000	99.75000	0.0	0.0	0.12538	*
				-38.00000	17.00000	99.75000	0.0	0.0	0.13366	*
				-37.00000	17.00000	99.75000	0.0	0.0	0.14160	*
				-36.00000	17.00000	99.75000	0.0	0.0	0.14887	*
				-35.00000	17.00000	99.75000	0.0	0.0	0.15507	*
				-34.00000	17.00000	99.75000	0.0	0.0	0.15979	*
				-33.00000	17.00000	99.75000	0.0	0.0	0.16262	*
				-32.00000	17.00000	99.75000	0.0	0.0	0.16321	*
				-31.00000	17.00000	99.75000	0.0	0.0	0.16133	*
				-30.00000	17.00000	99.75000	0.0	0.0	0.15688	*
				-29.00000	17.00000	99.75000	0.0	0.0	0.14987	*
				-28.00000	17.00000	99.75000	0.0	-0.17932	0.14046	*
				-27.00000	17.00000	99.75000	0.0	-0.55294	0.12885	*
				-26.00000	17.00000	99.75000	0.0	-0.95194	0.11528	*
				-25.00000	17.00000	99.75000	0.0	-1.3741	0.099979	*
				-24.00000	17.00000	99.75000	0.0	-1.8151	0.083107	*
				-23.00000	17.00000	99.75000	0.0	-2.2680	0.064785	*
				-22.00000	17.00000	99.75000	0.0	-2.7223	0.045087	*
				-21.00000	17.00000	99.75000	0.0	-3.1640	0.024074	*
				-20.00000	17.00000	99.75000	0.0	-3.5755	0.0018369	*
				-19.00000	17.00000	99.75000	0.0	-3.9362	-0.021459	*
				-18.00000	17.00000	99.75000	0.0	-4.2000	-0.045540	*
				-17.00000	17.00000	99.75000	0.0	-4.2000	-0.070012	*
				-16.00000	17.00000	99.75000	0.0	-4.2000	-0.094366	*
				-15.00000	17.00000	99.75000	0.0	-4.2000	-0.11801	*
				-14.00000	17.00000	99.75000	0.0	-4.2000	-0.14033	*
				-13.00000	17.00000	99.75000	0.0	-4.2000	-0.16071	*
				-12.00000	17.00000	99.75000	0.0	-4.2000	-0.17860	*
				-11.00000	17.00000	99.75000	0.0	-2.8875	-0.19357	*
				-10.00000	17.00000	99.75000	0.0	-1.5750	-0.20530	*
				-9.00000	17.00000	99.75000	0.0	-1.5750	-0.21364	*
				-8.00000	17.00000	99.75000	0.0	-1.5750	-0.21860	*
				-7.00000	17.00000	99.75000	0.0	-1.5750	-0.22031	*
				-6.00000	17.00000	99.75000	0.0	-1.5750	-0.21904	*
				-5.00000	17.00000	99.75000	0.0	-1.5750	-0.21518	*
				-4.00000	17.00000	99.75000	-0.088470	-1.4644	-0.20915	*
				-3.00000	17.00000	99.75000	-0.16965	-1.3273	-0.20141	*
				-2.00000	17.00000	99.75000	-0.23695	-1.1719	-0.19240	*
				-1.00000	17.00000	99.75000	-0.28500	-1.0058	-0.18253	*
				0.00000	17.00000	99.75000	-0.30993	-0.83535	-0.17217	*
				1.00000	17.00000	99.75000	-0.30943	-0.66582	0.0	
				2.00000	17.00000	99.75000	-0.28255	-0.50090	0.0	



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Drg. Ref.		
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				3.00000	17.00000	99.75000	-0.22939	-0.34313	0.0	
				4.00000	17.00000	99.75000	-0.15090	-0.19404	0.0	
				5.00000	17.00000	99.75000	-0.048471	-0.054400	0.0	
				-40.00000	18.00000	99.75000	0.0	0.0	0.10372	*
				-39.00000	18.00000	99.75000	0.0	0.0	0.11028	*
				-38.00000	18.00000	99.75000	0.0	0.0	0.11665	*
				-37.00000	18.00000	99.75000	0.0	0.0	0.12261	*
				-36.00000	18.00000	99.75000	0.0	0.0	0.12791	*
				-35.00000	18.00000	99.75000	0.0	0.0	0.13225	*
				-34.00000	18.00000	99.75000	0.0	0.0	0.13534	*
				-33.00000	18.00000	99.75000	0.0	0.0	0.13689	*
				-32.00000	18.00000	99.75000	0.0	0.0	0.13666	*
				-31.00000	18.00000	99.75000	0.0	0.0	0.13448	*
				-30.00000	18.00000	99.75000	0.0	0.0	0.13027	*
				-29.00000	18.00000	99.75000	0.0	0.0	0.12404	*
				-28.00000	18.00000	99.75000	0.0	0.0	0.11586	*
				-27.00000	18.00000	99.75000	0.0	-0.12632	0.10587	*
				-26.00000	18.00000	99.75000	0.0	-0.49131	0.094208	*
				-25.00000	18.00000	99.75000	0.0	-0.87100	0.081045	*
				-24.00000	18.00000	99.75000	0.0	-1.2604	0.066515	*
				-23.00000	18.00000	99.75000	0.0	-1.6521	0.050733	*
				-22.00000	18.00000	99.75000	0.0	-2.0364	0.033800	*
				-21.00000	18.00000	99.75000	0.0	-2.4007	0.015816	*
				-20.00000	18.00000	99.75000	0.0	-2.7302	-0.0030888	*
				-19.00000	18.00000	99.75000	0.0	-3.0081	-0.022738	*
				-18.00000	18.00000	99.75000	0.0	-3.2000	-0.042883	*
				-17.00000	18.00000	99.75000	0.0	-3.2000	-0.063201	*
				-16.00000	18.00000	99.75000	0.0	-3.2000	-0.083302	*
				-15.00000	18.00000	99.75000	0.0	-3.2000	-0.10274	*
				-14.00000	18.00000	99.75000	0.0	-3.2000	-0.12106	*
				-13.00000	18.00000	99.75000	0.0	-3.2000	-0.13782	*
				-12.00000	18.00000	99.75000	0.0	-3.2000	-0.15260	*
				-11.00000	18.00000	99.75000	0.0	-2.2000	-0.16509	*
				-10.00000	18.00000	99.75000	0.0	-1.2000	-0.17504	*
				-9.00000	18.00000	99.75000	0.0	-1.2000	-0.18234	*
				-8.00000	18.00000	99.75000	0.0	-1.2000	-0.18698	*
				-7.00000	18.00000	99.75000	0.0	-1.2000	-0.18904	*
				-6.00000	18.00000	99.75000	0.0	-1.2000	-0.18872	*
				-5.00000	18.00000	99.75000	0.0	-1.2000	-0.18627	*
				-4.00000	18.00000	99.75000	-0.061583	-1.1192	-0.18201	*
				-3.00000	18.00000	99.75000	-0.11742	-1.0131	-0.17627	*
				-2.00000	18.00000	99.75000	-0.16222	-0.88825	-0.16939	*
				-1.00000	18.00000	99.75000	-0.19153	-0.75080	-0.16168	*
				0.00000	18.00000	99.75000	-0.20196	-0.60628	-0.15343	*
				1.00000	18.00000	99.75000	-0.19122	-0.45927	0.0	
				2.00000	18.00000	99.75000	-0.15809	-0.31335	0.0	
				3.00000	18.00000	99.75000	-0.10222	-0.17117	0.0	
				4.00000	18.00000	99.75000	-0.023976	-0.034547	0.0	
				5.00000	18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	19.00000	99.75000	0.0	0.0	0.091936	*
				-39.00000	19.00000	99.75000	0.0	0.0	0.097089	*
				-38.00000	19.00000	99.75000	0.0	0.0	0.10199	*
				-37.00000	19.00000	99.75000	0.0	0.0	0.10646	*
				-36.00000	19.00000	99.75000	0.0	0.0	0.11029	*
				-35.00000	19.00000	99.75000	0.0	0.0	0.11329	*
				-34.00000	19.00000	99.75000	0.0	0.0	0.11522	*
				-33.00000	19.00000	99.75000	0.0	0.0	0.11588	*
				-32.00000	19.00000	99.75000	0.0	0.0	0.11510	*
				-31.00000	19.00000	99.75000	0.0	0.0	0.11277	*
				-30.00000	19.00000	99.75000	0.0	0.0	0.10881	*
				-29.00000	19.00000	99.75000	0.0	0.0	0.10321	*
				-28.00000	19.00000	99.75000	0.0	0.0	0.096029	*
				-27.00000	19.00000	99.75000	0.0	0.0	0.087341	*
				-26.00000	19.00000	99.75000	0.0	0.0	0.077254	*
				-25.00000	19.00000	99.75000	0.0	-0.30998	0.065883	*
				-24.00000	19.00000	99.75000	0.0	-0.64992	0.053342	*
				-23.00000	19.00000	99.75000	0.0	-0.98505	0.039739	*
				-22.00000	19.00000	99.75000	0.0	-1.3063	0.025180	*
				-21.00000	19.00000	99.75000	0.0	-1.6026	0.0097823	*
				-20.00000	19.00000	99.75000	0.0	-1.8614	-0.0063185	*
				-19.00000	19.00000	99.75000	0.0	-2.0687	-0.022949	*
				-18.00000	19.00000	99.75000	0.0	-2.2000	-0.039893	*
				-17.00000	19.00000	99.75000	0.0	-2.2000	-0.056885	*
				-16.00000	19.00000	99.75000	0.0	-2.2000	-0.073616	*
				-15.00000	19.00000	99.75000	0.0	-2.2000	-0.089752	*
				-14.00000	19.00000	99.75000	0.0	-2.2000	-0.10494	*
				-13.00000	19.00000	99.75000	0.0	-2.2000	-0.11886	*



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Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Table with columns: Stage Ref., Stage Name, Disp. Grid Ref., Disp. Grid Name, x [m], y [m], z [m], delta x [mm], delta y [mm], delta z [mm], and asterisks. Contains 50 rows of displacement data.



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-27.00000	21.00000	99.75000	0.0	0.0	0.060077	*
				-26.00000	21.00000	99.75000	0.0	0.0	0.052408	*
				-25.00000	21.00000	99.75000	0.0	0.0	0.043829	*
				-24.00000	21.00000	99.75000	0.0	0.0	0.034417	*
				-23.00000	21.00000	99.75000	0.0	0.0	0.024262	*
				-22.00000	21.00000	99.75000	0.0	0.0	0.013458	*
				-21.00000	21.00000	99.75000	0.0	0.0	0.0021121	*
				-20.00000	21.00000	99.75000	0.0	-0.071648	-0.0096530	*
				-19.00000	21.00000	99.75000	0.0	-0.16563	-0.021697	*
				-18.00000	21.00000	99.75000	0.0	-0.20000	-0.033861	*
				-17.00000	21.00000	99.75000	0.0	-0.20000	-0.045963	*
				-16.00000	21.00000	99.75000	0.0	-0.20000	-0.057808	*
				-15.00000	21.00000	99.75000	0.0	-0.20000	-0.069190	*
				-14.00000	21.00000	99.75000	0.0	-0.20000	-0.079903	*
				-13.00000	21.00000	99.75000	0.0	-0.20000	-0.089750	*
				-12.00000	21.00000	99.75000	0.0	-0.20000	-0.098557	*
				-11.00000	21.00000	99.75000	0.0	-0.13750	-0.10618	*
				-10.00000	21.00000	99.75000	0.0	-0.075000	-0.11250	*
				-9.00000	21.00000	99.75000	0.0	-0.075000	-0.11747	*
				-8.00000	21.00000	99.75000	0.0	-0.075000	-0.12106	*
				-7.00000	21.00000	99.75000	0.0	-0.075000	-0.12330	*
				-6.00000	21.00000	99.75000	0.0	-0.075000	-0.12424	*
				-5.00000	21.00000	99.75000	0.0	-0.075000	-0.12398	*
				-4.00000	21.00000	99.75000	-0.0025874	-0.059618	-0.12265	*
				-3.00000	21.00000	99.75000	-0.0020288	-0.022415	-0.12038	*
				-2.00000	21.00000	99.75000	0.0	0.0	-0.11732	*
				-1.00000	21.00000	99.75000	0.0	0.0	-0.11363	*
				0.00000	21.00000	99.75000	0.0	0.0	-0.10943	*
				1.00000	21.00000	99.75000	0.0	0.0	0.0	
				2.00000	21.00000	99.75000	0.0	0.0	0.0	
				3.00000	21.00000	99.75000	0.0	0.0	0.0	
				4.00000	21.00000	99.75000	0.0	0.0	0.0	
				5.00000	21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	22.00000	99.75000	0.0	0.0	0.064244	*
				-39.00000	22.00000	99.75000	0.0	0.0	0.066701	*
				-38.00000	22.00000	99.75000	0.0	0.0	0.068871	*
				-37.00000	22.00000	99.75000	0.0	0.0	0.070662	*
				-36.00000	22.00000	99.75000	0.0	0.0	0.071981	*
				-35.00000	22.00000	99.75000	0.0	0.0	0.072732	*
				-34.00000	22.00000	99.75000	0.0	0.0	0.072821	*
				-33.00000	22.00000	99.75000	0.0	0.0	0.072165	*
				-32.00000	22.00000	99.75000	0.0	0.0	0.070695	*
				-31.00000	22.00000	99.75000	0.0	0.0	0.068359	*
				-30.00000	22.00000	99.75000	0.0	0.0	0.065125	*
				-29.00000	22.00000	99.75000	0.0	0.0	0.060984	*
				-28.00000	22.00000	99.75000	0.0	0.0	0.055947	*
				-27.00000	22.00000	99.75000	0.0	0.0	0.050044	*
				-26.00000	22.00000	99.75000	0.0	0.0	0.043320	*
				-25.00000	22.00000	99.75000	0.0	0.0	0.035832	*
				-24.00000	22.00000	99.75000	0.0	0.0	0.027649	*
				-23.00000	22.00000	99.75000	0.0	0.0	0.018846	*
				-22.00000	22.00000	99.75000	0.0	0.0	0.0095105	*
				-21.00000	22.00000	99.75000	0.0	0.0	-261.62E-6	*
				-20.00000	22.00000	99.75000	0.0	0.0	-0.010362	*
				-19.00000	22.00000	99.75000	0.0	0.0	-0.020667	*
				-18.00000	22.00000	99.75000	0.0	0.0	-0.031043	*
				-17.00000	22.00000	99.75000	0.0	0.0	-0.041338	*
				-16.00000	22.00000	99.75000	0.0	0.0	-0.051396	*
				-15.00000	22.00000	99.75000	0.0	0.0	-0.061051	*
				-14.00000	22.00000	99.75000	0.0	0.0	-0.070142	*
				-13.00000	22.00000	99.75000	0.0	0.0	-0.078516	*
				-12.00000	22.00000	99.75000	0.0	0.0	-0.086035	*
				-11.00000	22.00000	99.75000	0.0	0.0	-0.092587	*
				-10.00000	22.00000	99.75000	0.0	0.0	-0.098084	*
				-9.00000	22.00000	99.75000	0.0	0.0	-0.10248	*
				-8.00000	22.00000	99.75000	0.0	0.0	-0.10574	*
				-7.00000	22.00000	99.75000	0.0	0.0	-0.10789	*
				-6.00000	22.00000	99.75000	0.0	0.0	-0.10898	*
				-5.00000	22.00000	99.75000	0.0	0.0	-0.10906	*
				-4.00000	22.00000	99.75000	0.0	0.0	-0.10824	*
				-3.00000	22.00000	99.75000	0.0	0.0	-0.10661	*
				-2.00000	22.00000	99.75000	0.0	0.0	-0.10429	*
				-1.00000	22.00000	99.75000	0.0	0.0	-0.10140	*
				0.00000	22.00000	99.75000	0.0	0.0	-0.098047	*
				1.00000	22.00000	99.75000	0.0	0.0	0.0	
				2.00000	22.00000	99.75000	0.0	0.0	0.0	
				3.00000	22.00000	99.75000	0.0	0.0	0.0	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
LJ20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
		4.00000	22.00000	99.75000	0.0	0.0	0.0			*
		5.00000	22.00000	99.75000	0.0	0.0	0.0			*
		-40.00000	23.00000	99.75000	0.0	0.0	0.057089			*
		-39.00000	23.00000	99.75000	0.0	0.0	0.058989			*
		-38.00000	23.00000	99.75000	0.0	0.0	0.060614			*
		-37.00000	23.00000	99.75000	0.0	0.0	0.061891			*
		-36.00000	23.00000	99.75000	0.0	0.0	0.062747			*
		-35.00000	23.00000	99.75000	0.0	0.0	0.063105			*
		-34.00000	23.00000	99.75000	0.0	0.0	0.062895			*
		-33.00000	23.00000	99.75000	0.0	0.0	0.062053			*
		-32.00000	23.00000	99.75000	0.0	0.0	0.060525			*
		-31.00000	23.00000	99.75000	0.0	0.0	0.058274			*
		-30.00000	23.00000	99.75000	0.0	0.0	0.055274			*
		-29.00000	23.00000	99.75000	0.0	0.0	0.051518			*
		-28.00000	23.00000	99.75000	0.0	0.0	0.047015			*
		-27.00000	23.00000	99.75000	0.0	0.0	0.041788			*
		-26.00000	23.00000	99.75000	0.0	0.0	0.035874			*
		-25.00000	23.00000	99.75000	0.0	0.0	0.029321			*
		-24.00000	23.00000	99.75000	0.0	0.0	0.022187			*
		-23.00000	23.00000	99.75000	0.0	0.0	0.014539			*
		-22.00000	23.00000	99.75000	0.0	0.0	0.0064532			*
		-21.00000	23.00000	99.75000	0.0	0.0	-0.0019856			*
		-20.00000	23.00000	99.75000	0.0	0.0	-0.010682			*
		-19.00000	23.00000	99.75000	0.0	0.0	-0.019531			*
		-18.00000	23.00000	99.75000	0.0	0.0	-0.028418			*
		-17.00000	23.00000	99.75000	0.0	0.0	-0.037219			*
		-16.00000	23.00000	99.75000	0.0	0.0	-0.045803			*
		-15.00000	23.00000	99.75000	0.0	0.0	-0.054041			*
		-14.00000	23.00000	99.75000	0.0	0.0	-0.061802			*
		-13.00000	23.00000	99.75000	0.0	0.0	-0.068966			*
		-12.00000	23.00000	99.75000	0.0	0.0	-0.075424			*
		-11.00000	23.00000	99.75000	0.0	0.0	-0.081086			*
		-10.00000	23.00000	99.75000	0.0	0.0	-0.085883			*
		-9.00000	23.00000	99.75000	0.0	0.0	-0.089773			*
		-8.00000	23.00000	99.75000	0.0	0.0	-0.092736			*
		-7.00000	23.00000	99.75000	0.0	0.0	-0.094780			*
		-6.00000	23.00000	99.75000	0.0	0.0	-0.095935			*
		-5.00000	23.00000	99.75000	0.0	0.0	-0.096252			*
		-4.00000	23.00000	99.75000	0.0	0.0	-0.095799			*
		-3.00000	23.00000	99.75000	0.0	0.0	-0.094656			*
		-2.00000	23.00000	99.75000	0.0	0.0	-0.092911			*
		-1.00000	23.00000	99.75000	0.0	0.0	-0.090654			*
		0.00000	23.00000	99.75000	0.0	0.0	-0.087977			*
		1.00000	23.00000	99.75000	0.0	0.0	0.0			
		2.00000	23.00000	99.75000	0.0	0.0	0.0			
		3.00000	23.00000	99.75000	0.0	0.0	0.0			
		4.00000	23.00000	99.75000	0.0	0.0	0.0			
		5.00000	23.00000	99.75000	0.0	0.0	0.0			
		-40.00000	24.00000	99.75000	0.0	0.0	0.050769			*
		-39.00000	24.00000	99.75000	0.0	0.0	0.052225			*
		-38.00000	24.00000	99.75000	0.0	0.0	0.053423			*
		-37.00000	24.00000	99.75000	0.0	0.0	0.054304			*
		-36.00000	24.00000	99.75000	0.0	0.0	0.054810			*
		-35.00000	24.00000	99.75000	0.0	0.0	0.054881			*
		-34.00000	24.00000	99.75000	0.0	0.0	0.054462			*
		-33.00000	24.00000	99.75000	0.0	0.0	0.053504			*
		-32.00000	24.00000	99.75000	0.0	0.0	0.051967			*
		-31.00000	24.00000	99.75000	0.0	0.0	0.049820			*
		-30.00000	24.00000	99.75000	0.0	0.0	0.047045			*
		-29.00000	24.00000	99.75000	0.0	0.0	0.043638			*
		-28.00000	24.00000	99.75000	0.0	0.0	0.039604			*
		-27.00000	24.00000	99.75000	0.0	0.0	0.034965			*
		-26.00000	24.00000	99.75000	0.0	0.0	0.029750			*
		-25.00000	24.00000	99.75000	0.0	0.0	0.024001			*
		-24.00000	24.00000	99.75000	0.0	0.0	0.017767			*
		-23.00000	24.00000	99.75000	0.0	0.0	0.011106			*
		-22.00000	24.00000	99.75000	0.0	0.0	0.0040847			*
		-21.00000	24.00000	99.75000	0.0	0.0	-0.0032226			*
		-20.00000	24.00000	99.75000	0.0	0.0	-0.010734			*
		-19.00000	24.00000	99.75000	0.0	0.0	-0.018358			*
		-18.00000	24.00000	99.75000	0.0	0.0	-0.026000			*
		-17.00000	24.00000	99.75000	0.0	0.0	-0.033555			*
		-16.00000	24.00000	99.75000	0.0	0.0	-0.040918			*
		-15.00000	24.00000	99.75000	0.0	0.0	-0.047982			*
		-14.00000	24.00000	99.75000	0.0	0.0	-0.054643			*
		-13.00000	24.00000	99.75000	0.0	0.0	-0.060804			*
		-12.00000	24.00000	99.75000	0.0	0.0	-0.066379			*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-11.00000	24.00000	99.75000	0.0	0.0	-0.071296	*
				-10.00000	24.00000	99.75000	0.0	0.0	-0.075499	*
				-9.00000	24.00000	99.75000	0.0	0.0	-0.078951	*
				-8.00000	24.00000	99.75000	0.0	0.0	-0.081636	*
				-7.00000	24.00000	99.75000	0.0	0.0	-0.083557	*
				-6.00000	24.00000	99.75000	0.0	0.0	-0.084735	*
				-5.00000	24.00000	99.75000	0.0	0.0	-0.085207	*
				-4.00000	24.00000	99.75000	0.0	0.0	-0.085024	*
				-3.00000	24.00000	99.75000	0.0	0.0	-0.084248	*
				-2.00000	24.00000	99.75000	0.0	0.0	-0.082946	*
				-1.00000	24.00000	99.75000	0.0	0.0	-0.081190	*
				0.00000	24.00000	99.75000	0.0	0.0	-0.079054	*
				1.00000	24.00000	99.75000	0.0	0.0	0.0	
				2.00000	24.00000	99.75000	0.0	0.0	0.0	
				3.00000	24.00000	99.75000	0.0	0.0	0.0	
				4.00000	24.00000	99.75000	0.0	0.0	0.0	
				5.00000	24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	25.00000	99.75000	0.0	0.0	0.045182	*
				-39.00000	25.00000	99.75000	0.0	0.0	0.046284	*
				-38.00000	25.00000	99.75000	0.0	0.0	0.047147	*
				-37.00000	25.00000	99.75000	0.0	0.0	0.047724	*
				-36.00000	25.00000	99.75000	0.0	0.0	0.047967	*
				-35.00000	25.00000	99.75000	0.0	0.0	0.047829	*
				-34.00000	25.00000	99.75000	0.0	0.0	0.047268	*
				-33.00000	25.00000	99.75000	0.0	0.0	0.046246	*
				-32.00000	25.00000	99.75000	0.0	0.0	0.044731	*
				-31.00000	25.00000	99.75000	0.0	0.0	0.042701	*
				-30.00000	25.00000	99.75000	0.0	0.0	0.040141	*
				-29.00000	25.00000	99.75000	0.0	0.0	0.037049	*
				-28.00000	25.00000	99.75000	0.0	0.0	0.033432	*
				-27.00000	25.00000	99.75000	0.0	0.0	0.029306	*
				-26.00000	25.00000	99.75000	0.0	0.0	0.024697	*
				-25.00000	25.00000	99.75000	0.0	0.0	0.019641	*
				-24.00000	25.00000	99.75000	0.0	0.0	0.014180	*
				-23.00000	25.00000	99.75000	0.0	0.0	0.0083642	*
				-22.00000	25.00000	99.75000	0.0	0.0	0.0022520	*
				-21.00000	25.00000	99.75000	0.0	0.0	-0.0040928	*
				-20.00000	25.00000	99.75000	0.0	0.0	-0.010599	*
				-19.00000	25.00000	99.75000	0.0	0.0	-0.017191	*
				-18.00000	25.00000	99.75000	0.0	0.0	-0.023785	*
				-17.00000	25.00000	99.75000	0.0	0.0	-0.030298	*
				-16.00000	25.00000	99.75000	0.0	0.0	-0.036640	*
				-15.00000	25.00000	99.75000	0.0	0.0	-0.042726	*
				-14.00000	25.00000	99.75000	0.0	0.0	-0.048470	*
				-13.00000	25.00000	99.75000	0.0	0.0	-0.053795	*
				-12.00000	25.00000	99.75000	0.0	0.0	-0.058630	*
				-11.00000	25.00000	99.75000	0.0	0.0	-0.062918	*
				-10.00000	25.00000	99.75000	0.0	0.0	-0.066612	*
				-9.00000	25.00000	99.75000	0.0	0.0	-0.069682	*
				-8.00000	25.00000	99.75000	0.0	0.0	-0.072113	*
				-7.00000	25.00000	99.75000	0.0	0.0	-0.073905	*
				-6.00000	25.00000	99.75000	0.0	0.0	-0.075073	*
				-5.00000	25.00000	99.75000	0.0	0.0	-0.075643	*
				-4.00000	25.00000	99.75000	0.0	0.0	-0.075655	*
				-3.00000	25.00000	99.75000	0.0	0.0	-0.075156	*
				-2.00000	25.00000	99.75000	0.0	0.0	-0.074198	*
				-1.00000	25.00000	99.75000	0.0	0.0	-0.072839	*
				0.00000	25.00000	99.75000	0.0	0.0	-0.071137	*
				1.00000	25.00000	99.75000	0.0	0.0	0.0	
				2.00000	25.00000	99.75000	0.0	0.0	0.0	
				3.00000	25.00000	99.75000	0.0	0.0	0.0	
				4.00000	25.00000	99.75000	0.0	0.0	0.0	
				5.00000	25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	26.00000	99.75000	0.0	0.0	0.040239	*
				-39.00000	26.00000	99.75000	0.0	0.0	0.041060	*
				-38.00000	26.00000	99.75000	0.0	0.0	0.041660	*
				-37.00000	26.00000	99.75000	0.0	0.0	0.042003	*
				-36.00000	26.00000	99.75000	0.0	0.0	0.042049	*
				-35.00000	26.00000	99.75000	0.0	0.0	0.041763	*
				-34.00000	26.00000	99.75000	0.0	0.0	0.041109	*
				-33.00000	26.00000	99.75000	0.0	0.0	0.040059	*
				-32.00000	26.00000	99.75000	0.0	0.0	0.038589	*
				-31.00000	26.00000	99.75000	0.0	0.0	0.036681	*
				-30.00000	26.00000	99.75000	0.0	0.0	0.034325	*
				-29.00000	26.00000	99.75000	0.0	0.0	0.031519	*
				-28.00000	26.00000	99.75000	0.0	0.0	0.028271	*
				-27.00000	26.00000	99.75000	0.0	0.0	0.024595	*



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

Job No. LJ20089	Sheet No.	Rev.
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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	
				-26.00000	26.00000	99.75000	0.0	0.0	0.020514	*
				-25.00000	26.00000	99.75000	0.0	0.0	0.016057	*
				-24.00000	26.00000	99.75000	0.0	0.0	0.011262	*
				-23.00000	26.00000	99.75000	0.0	0.0	0.0061724	*
				-22.00000	26.00000	99.75000	0.0	0.0	837.95E-6	*
				-21.00000	26.00000	99.75000	0.0	0.0	-0.0046860	*
				-20.00000	26.00000	99.75000	0.0	0.0	-0.010339	*
				-19.00000	26.00000	99.75000	0.0	0.0	-0.016055	*
				-18.00000	26.00000	99.75000	0.0	0.0	-0.021767	*
				-17.00000	26.00000	99.75000	0.0	0.0	-0.027401	*
				-16.00000	26.00000	99.75000	0.0	0.0	-0.032887	*
				-15.00000	26.00000	99.75000	0.0	0.0	-0.038152	*
				-14.00000	26.00000	99.75000	0.0	0.0	-0.043127	*
				-13.00000	26.00000	99.75000	0.0	0.0	-0.047748	*
				-12.00000	26.00000	99.75000	0.0	0.0	-0.051959	*
				-11.00000	26.00000	99.75000	0.0	0.0	-0.055712	*
				-10.00000	26.00000	99.75000	0.0	0.0	-0.058969	*
				-9.00000	26.00000	99.75000	0.0	0.0	-0.061704	*
				-8.00000	26.00000	99.75000	0.0	0.0	-0.063904	*
				-7.00000	26.00000	99.75000	0.0	0.0	-0.065567	*
				-6.00000	26.00000	99.75000	0.0	0.0	-0.066702	*
				-5.00000	26.00000	99.75000	0.0	0.0	-0.067331	*
				-4.00000	26.00000	99.75000	0.0	0.0	-0.067481	*
				-3.00000	26.00000	99.75000	0.0	0.0	-0.067191	*
				-2.00000	26.00000	99.75000	0.0	0.0	-0.066500	*
				-1.00000	26.00000	99.75000	0.0	0.0	-0.065454	*
				0.00000	26.00000	99.75000	0.0	0.0	-0.064102	*
				1.00000	26.00000	99.75000	0.0	0.0	0.0	
				2.00000	26.00000	99.75000	0.0	0.0	0.0	
				3.00000	26.00000	99.75000	0.0	0.0	0.0	
				4.00000	26.00000	99.75000	0.0	0.0	0.0	
				5.00000	26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	27.00000	99.75000	0.0	0.0	0.035862	*
				-39.00000	27.00000	99.75000	0.0	0.0	0.036458	*
				-38.00000	27.00000	99.75000	0.0	0.0	0.036853	*
				-37.00000	27.00000	99.75000	0.0	0.0	0.037017	*
				-36.00000	27.00000	99.75000	0.0	0.0	0.036918	*
				-35.00000	27.00000	99.75000	0.0	0.0	0.036527	*
				-34.00000	27.00000	99.75000	0.0	0.0	0.035818	*
				-33.00000	27.00000	99.75000	0.0	0.0	0.034767	*
				-32.00000	27.00000	99.75000	0.0	0.0	0.033356	*
				-31.00000	27.00000	99.75000	0.0	0.0	0.031572	*
				-30.00000	27.00000	99.75000	0.0	0.0	0.029407	*
				-29.00000	27.00000	99.75000	0.0	0.0	0.026862	*
				-28.00000	27.00000	99.75000	0.0	0.0	0.023943	*
				-27.00000	27.00000	99.75000	0.0	0.0	0.020662	*
				-26.00000	27.00000	99.75000	0.0	0.0	0.017041	*
				-25.00000	27.00000	99.75000	0.0	0.0	0.013104	*
				-24.00000	27.00000	99.75000	0.0	0.0	0.0088845	*
				-23.00000	27.00000	99.75000	0.0	0.0	0.0044197	*
				-22.00000	27.00000	99.75000	0.0	0.0	-247.63E-6	*
				-21.00000	27.00000	99.75000	0.0	0.0	-0.0050698	*
				-20.00000	27.00000	99.75000	0.0	0.0	-0.0099951	*
				-19.00000	27.00000	99.75000	0.0	0.0	-0.014968	*
				-18.00000	27.00000	99.75000	0.0	0.0	-0.019931	*
				-17.00000	27.00000	99.75000	0.0	0.0	-0.024823	*
				-16.00000	27.00000	99.75000	0.0	0.0	-0.029585	*
				-15.00000	27.00000	99.75000	0.0	0.0	-0.034157	*
				-14.00000	27.00000	99.75000	0.0	0.0	-0.038482	*
				-13.00000	27.00000	99.75000	0.0	0.0	-0.042509	*
				-12.00000	27.00000	99.75000	0.0	0.0	-0.046190	*
				-11.00000	27.00000	99.75000	0.0	0.0	-0.049486	*
				-10.00000	27.00000	99.75000	0.0	0.0	-0.052365	*
				-9.00000	27.00000	99.75000	0.0	0.0	-0.054806	*
				-8.00000	27.00000	99.75000	0.0	0.0	-0.056796	*
				-7.00000	27.00000	99.75000	0.0	0.0	-0.058333	*
				-6.00000	27.00000	99.75000	0.0	0.0	-0.059422	*
				-5.00000	27.00000	99.75000	0.0	0.0	-0.060080	*
				-4.00000	27.00000	99.75000	0.0	0.0	-0.060327	*
				-3.00000	27.00000	99.75000	0.0	0.0	-0.060193	*
				-2.00000	27.00000	99.75000	0.0	0.0	-0.059709	*
				-1.00000	27.00000	99.75000	0.0	0.0	-0.058912	*
				0.00000	27.00000	99.75000	0.0	0.0	-0.057840	*
				1.00000	27.00000	99.75000	0.0	0.0	0.0	
				2.00000	27.00000	99.75000	0.0	0.0	0.0	
				3.00000	27.00000	99.75000	0.0	0.0	0.0	
				4.00000	27.00000	99.75000	0.0	0.0	0.0	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				5.00000	27.00000	99.75000	0.0	0.0	0.0
				-40.00000	28.00000	99.75000	0.0	0.0	0.031983
				-39.00000	28.00000	99.75000	0.0	0.0	0.032400
				-38.00000	28.00000	99.75000	0.0	0.0	0.032636
				-37.00000	28.00000	99.75000	0.0	0.0	0.032663
				-36.00000	28.00000	99.75000	0.0	0.0	0.032458
				-35.00000	28.00000	99.75000	0.0	0.0	0.031998
				-34.00000	28.00000	99.75000	0.0	0.0	0.031260
				-33.00000	28.00000	99.75000	0.0	0.0	0.030226
				-32.00000	28.00000	99.75000	0.0	0.0	0.028884
				-31.00000	28.00000	99.75000	0.0	0.0	0.027222
				-30.00000	28.00000	99.75000	0.0	0.0	0.025236
				-29.00000	28.00000	99.75000	0.0	0.0	0.022927
				-28.00000	28.00000	99.75000	0.0	0.0	0.020300
				-27.00000	28.00000	99.75000	0.0	0.0	0.017369
				-26.00000	28.00000	99.75000	0.0	0.0	0.014150
				-25.00000	28.00000	99.75000	0.0	0.0	0.010666
				-24.00000	28.00000	99.75000	0.0	0.0	0.0069446
				-23.00000	28.00000	99.75000	0.0	0.0	0.0030187
				-22.00000	28.00000	99.75000	0.0	0.0	-0.0010748
				-21.00000	28.00000	99.75000	0.0	0.0	-0.0052953
				-20.00000	28.00000	99.75000	0.0	0.0	-0.0095984
				-19.00000	28.00000	99.75000	0.0	0.0	-0.013937
				-18.00000	28.00000	99.75000	0.0	0.0	-0.018263
				-17.00000	28.00000	99.75000	0.0	0.0	-0.022524
				-16.00000	28.00000	99.75000	0.0	0.0	-0.026672
				-15.00000	28.00000	99.75000	0.0	0.0	-0.030657
				-14.00000	28.00000	99.75000	0.0	0.0	-0.034431
				-13.00000	28.00000	99.75000	0.0	0.0	-0.037952
				-12.00000	28.00000	99.75000	0.0	0.0	-0.041180
				-11.00000	28.00000	99.75000	0.0	0.0	-0.044083
				-10.00000	28.00000	99.75000	0.0	0.0	-0.046635
				-9.00000	28.00000	99.75000	0.0	0.0	-0.048817
				-8.00000	28.00000	99.75000	0.0	0.0	-0.050617
				-7.00000	28.00000	99.75000	0.0	0.0	-0.052033
				-6.00000	28.00000	99.75000	0.0	0.0	-0.053068
				-5.00000	28.00000	99.75000	0.0	0.0	-0.053734
				-4.00000	28.00000	99.75000	0.0	0.0	-0.054046
				-3.00000	28.00000	99.75000	0.0	0.0	-0.054028
				-2.00000	28.00000	99.75000	0.0	0.0	-0.053704
				-1.00000	28.00000	99.75000	0.0	0.0	-0.053105
				0.00000	28.00000	99.75000	0.0	0.0	-0.052259
				1.00000	28.00000	99.75000	0.0	0.0	0.0
				2.00000	28.00000	99.75000	0.0	0.0	0.0
				3.00000	28.00000	99.75000	0.0	0.0	0.0
				4.00000	28.00000	99.75000	0.0	0.0	0.0
				5.00000	28.00000	99.75000	0.0	0.0	0.0
				-40.00000	29.00000	99.75000	0.0	0.0	0.028542
				-39.00000	29.00000	99.75000	0.0	0.0	0.028818
				-38.00000	29.00000	99.75000	0.0	0.0	0.028929
				-37.00000	29.00000	99.75000	0.0	0.0	0.028854
				-36.00000	29.00000	99.75000	0.0	0.0	0.028573
				-35.00000	29.00000	99.75000	0.0	0.0	0.028068
				-34.00000	29.00000	99.75000	0.0	0.0	0.027321
				-33.00000	29.00000	99.75000	0.0	0.0	0.026319
				-32.00000	29.00000	99.75000	0.0	0.0	0.025050
				-31.00000	29.00000	99.75000	0.0	0.0	0.023507
				-30.00000	29.00000	99.75000	0.0	0.0	0.021687
				-29.00000	29.00000	99.75000	0.0	0.0	0.019592
				-28.00000	29.00000	99.75000	0.0	0.0	0.017227
				-27.00000	29.00000	99.75000	0.0	0.0	0.014604
				-26.00000	29.00000	99.75000	0.0	0.0	0.011738
				-25.00000	29.00000	99.75000	0.0	0.0	0.0086486
				-24.00000	29.00000	99.75000	0.0	0.0	0.0053601
				-23.00000	29.00000	99.75000	0.0	0.0	0.0019005
				-22.00000	29.00000	99.75000	0.0	0.0	-0.0016983
				-21.00000	29.00000	99.75000	0.0	0.0	-0.0054013
				-20.00000	29.00000	99.75000	0.0	0.0	-0.0091709
				-19.00000	29.00000	99.75000	0.0	0.0	-0.012967
				-18.00000	29.00000	99.75000	0.0	0.0	-0.016748
				-17.00000	29.00000	99.75000	0.0	0.0	-0.020472
				-16.00000	29.00000	99.75000	0.0	0.0	-0.024096
				-15.00000	29.00000	99.75000	0.0	0.0	-0.027580
				-14.00000	29.00000	99.75000	0.0	0.0	-0.030884
				-13.00000	29.00000	99.75000	0.0	0.0	-0.033972
				-12.00000	29.00000	99.75000	0.0	0.0	-0.036812
				-11.00000	29.00000	99.75000	0.0	0.0	-0.039377



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Stage 4 - Overall Term - Complete Construction

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-10.00000	29.00000	99.75000	0.0	0.0	-0.041643	*
				-9.00000	29.00000	99.75000	0.0	0.0	-0.043596	*
				-8.00000	29.00000	99.75000	0.0	0.0	-0.045225	*
				-7.00000	29.00000	99.75000	0.0	0.0	-0.046527	*
				-6.00000	29.00000	99.75000	0.0	0.0	-0.047503	*
				-5.00000	29.00000	99.75000	0.0	0.0	-0.048162	*
				-4.00000	29.00000	99.75000	0.0	0.0	-0.048516	*
				-3.00000	29.00000	99.75000	0.0	0.0	-0.048583	*
				-2.00000	29.00000	99.75000	0.0	0.0	-0.048383	*
				-1.00000	29.00000	99.75000	0.0	0.0	-0.047940	*
				0.00000	29.00000	99.75000	0.0	0.0	-0.047277	*
				1.00000	29.00000	99.75000	0.0	0.0	0.0	
				2.00000	29.00000	99.75000	0.0	0.0	0.0	
				3.00000	29.00000	99.75000	0.0	0.0	0.0	
				4.00000	29.00000	99.75000	0.0	0.0	0.0	
				5.00000	29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	30.00000	99.75000	0.0	0.0	0.025486	*
				-39.00000	30.00000	99.75000	0.0	0.0	0.025651	*
				-38.00000	30.00000	99.75000	0.0	0.0	0.025666	*
				-37.00000	30.00000	99.75000	0.0	0.0	0.025515	*
				-36.00000	30.00000	99.75000	0.0	0.0	0.025182	*
				-35.00000	30.00000	99.75000	0.0	0.0	0.024652	*
				-34.00000	30.00000	99.75000	0.0	0.0	0.023911	*
				-33.00000	30.00000	99.75000	0.0	0.0	0.022948	*
				-32.00000	30.00000	99.75000	0.0	0.0	0.021754	*
				-31.00000	30.00000	99.75000	0.0	0.0	0.020325	*
				-30.00000	30.00000	99.75000	0.0	0.0	0.018659	*
				-29.00000	30.00000	99.75000	0.0	0.0	0.016758	*
				-28.00000	30.00000	99.75000	0.0	0.0	0.014628	*
				-27.00000	30.00000	99.75000	0.0	0.0	0.012278	*
				-26.00000	30.00000	99.75000	0.0	0.0	0.0097219	*
				-25.00000	30.00000	99.75000	0.0	0.0	0.0069774	*
				-24.00000	30.00000	99.75000	0.0	0.0	0.0040654	*
				-23.00000	30.00000	99.75000	0.0	0.0	0.0010102	*
				-22.00000	30.00000	99.75000	0.0	0.0	-0.0021608	*
				-21.00000	30.00000	99.75000	0.0	0.0	-0.0054177	*
				-20.00000	30.00000	99.75000	0.0	0.0	-0.0087282	*
				-19.00000	30.00000	99.75000	0.0	0.0	-0.012058	*
				-18.00000	30.00000	99.75000	0.0	0.0	-0.015373	*
				-17.00000	30.00000	99.75000	0.0	0.0	-0.018636	*
				-16.00000	30.00000	99.75000	0.0	0.0	-0.021813	*
				-15.00000	30.00000	99.75000	0.0	0.0	-0.024868	*
				-14.00000	30.00000	99.75000	0.0	0.0	-0.027769	*
				-13.00000	30.00000	99.75000	0.0	0.0	-0.030486	*
				-12.00000	30.00000	99.75000	0.0	0.0	-0.032991	*
				-11.00000	30.00000	99.75000	0.0	0.0	-0.035262	*
				-10.00000	30.00000	99.75000	0.0	0.0	-0.037279	*
				-9.00000	30.00000	99.75000	0.0	0.0	-0.039029	*
				-8.00000	30.00000	99.75000	0.0	0.0	-0.040504	*
				-7.00000	30.00000	99.75000	0.0	0.0	-0.041698	*
				-6.00000	30.00000	99.75000	0.0	0.0	-0.042613	*
				-5.00000	30.00000	99.75000	0.0	0.0	-0.043256	*
				-4.00000	30.00000	99.75000	0.0	0.0	-0.043634	*
				-3.00000	30.00000	99.75000	0.0	0.0	-0.043763	*
				-2.00000	30.00000	99.75000	0.0	0.0	-0.043658	*
				-1.00000	30.00000	99.75000	0.0	0.0	-0.043338	*
				0.00000	30.00000	99.75000	0.0	0.0	-0.042822	*
				1.00000	30.00000	99.75000	0.0	0.0	0.0	
				2.00000	30.00000	99.75000	0.0	0.0	0.0	
				3.00000	30.00000	99.75000	0.0	0.0	0.0	
				4.00000	30.00000	99.75000	0.0	0.0	0.0	
				5.00000	30.00000	99.75000	0.0	0.0	0.0	

Specific Building Damage Results - Horizontal Displacements

Stage Ref.	Stage Name	Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist.	x	y
						[m]	[m]	
			δH	δH_{perp}				
[m]	[m]	[mm]	[mm]	[mm]	[mm]			
0	Base Model	1	No	11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	-31.74200	
10.69900	98.25000	0.0	-1.6177	-1.6158	-0.077353			
11.23167	98.25000	0.0	-1.0681	-1.0669	-0.051074	0.53328	-31.71650	



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Stage: z	Stage: δx	Name Specific Building: Ref.	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
11.76433	98.25000		0.0	-0.50728	-0.50670	-0.024257	1.0666	-31.69100	
12.29700	98.25000		0.0	-0.031408	-0.031373	-0.0015019	1.5998	-31.66550	
12.82967	98.25000		0.0	0.0	0.0	0.0	2.1331	-31.64000	
13.36233	98.25000		0.0	0.0	0.0	0.0	2.6664	-31.61450	
13.89500	98.25000		0.0	0.0	0.0	0.0	3.1997	-31.58900	
13.89500	98.25000	2	0.0	0.0	0.0	0.0	0.0	-31.58900	
13.89500	98.25000		0.0	0.0	0.0	0.0	0.50397	-31.08560	
13.87100	98.25000		0.0	0.0	0.0	0.0	1.0079	-30.58220	
13.84700	98.25000		0.0	-0.12027	0.0057273	-0.12013	1.5119	-30.07880	
13.82300	98.25000		0.0	-0.27644	0.013164	-0.27612	2.0159	-29.57540	
13.79900	98.25000		0.0	-0.44168	0.021034	-0.44118	2.5199	-29.07200	
13.77500	98.25000		0.0	-0.61672	0.029369	-0.61602	0.0	-29.07200	
13.77500	98.25000	3	0.0	-0.61672	-0.61601	-0.029507	0.48725	-29.04869	
14.26169	98.25000		0.0	-0.54684	-0.54622	-0.026164	0.97449	-29.02538	
14.74838	98.25000		0.0	-0.46068	-0.46015	-0.022042	1.4617	-29.00206	
15.23506	98.25000		0.0	-0.35850	-0.35809	-0.017153	1.9490	-28.97875	
15.72175	98.25000		0.0	-0.24064	-0.24036	-0.011513	2.4362	-28.95544	
16.20844	98.25000		0.0	-0.10749	-0.10737	-0.0051429	2.9235	-28.93212	
16.69513	98.25000		0.0	0.0	0.0	0.0	3.4107	-28.90881	
17.18181	98.25000		0.0	0.0	0.0	0.0	3.8980	-28.88550	
17.66850	98.25000		0.0	0.0	0.0	0.0	4.3852	-28.86219	
18.15519	98.25000		0.0	0.0	0.0	0.0	4.8725	-28.83888	
18.64187	98.25000		0.0	0.0	0.0	0.0	5.3597	-28.81556	
19.12856	98.25000		0.0	0.0	0.0	0.0	5.8469	-28.79225	
19.61525	98.25000		0.0	0.0	0.0	0.0	6.3342	-28.76894	
20.10194	98.25000		0.0	0.0	0.0	0.0	6.8214	-28.74563	
20.58863	98.25000		0.0	0.0	0.0	0.0	7.3087	-28.72231	
21.07531	98.25000		0.0	0.0	0.0	0.0	7.7959	-28.69900	
21.56200	98.25000		0.0	0.0	0.0	0.0	0.0	-28.69900	
21.56200	98.25000	4	0.0	0.0	0.0	0.0	0.22097	-28.91650	
21.60100	98.25000		0.0	0.0	0.0	0.0	0.44194	-29.13400	
21.64000	98.25000		0.0	0.0	0.0	0.0	0.0	-29.13400	
21.64000	98.25000	5	0.0	0.0	0.0	0.0	0.52393	-29.10900	
22.16333	98.25000		0.0	0.0	0.0	0.0	1.0479	-29.08400	
22.68667	98.25000		0.0	0.0	0.0	0.0	1.5718	-29.05900	
23.21000	98.25000		0.0	0.0	0.0	0.0	2.0957	-29.03400	
23.73333	98.25000		0.0	0.0	0.0	0.0	2.6197	-29.00900	
24.25667	98.25000		0.0	0.0	0.0	0.0	3.1436	-28.98400	
24.78000	98.25000		0.0	0.0	0.0	0.0	0.0	-28.98400	
24.78000	98.25000	6	0.0	0.0	0.0	0.0	0.0	-28.98400	



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9 Lyndhurst Terrace, London
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Stage: z	Stage: δx	Name δy Building: Ref.	Specific $\delta H//$	Specific $\delta H_{perp.}$	Building: Name	Sub-building Name	Dist.	x	y
24.78000	98.25000	0.0	0.0	0.0	0.0		0.50429	-28.48029	
24.75592	98.25000	0.0	0.0	0.0	0.0		1.0086	-27.97658	
24.73184	98.25000	0.0	0.0	0.0	0.0		1.5129	-27.47287	
24.70776	98.25000	0.0	0.0	0.0	0.0		2.0171	-26.96916	
24.68368	98.25000	0.0	0.0	0.0	0.0		2.5214	-26.46545	
24.65961	98.25000	0.0	0.0	0.0	0.0		3.0257	-25.96174	
24.63553	98.25000	0.0	0.0	0.0	0.0		3.5300	-25.45803	
24.61145	98.25000	0.0	0.0	0.0	0.0		4.0343	-24.95432	
24.58737	98.25000	0.0	0.0	0.0	0.0		4.5386	-24.45061	
24.56329	98.25000	0.0	0.0	0.0	0.0		5.0429	-23.94689	
24.53921	98.25000	0.0	0.0	0.0	0.0		5.5471	-23.44318	
24.51513	98.25000	0.0	0.0	0.0	0.0		6.0514	-22.93947	
24.49105	98.25000	0.0	0.0	0.0	0.0		6.5557	-22.43576	
24.46697	98.25000	0.0	0.0	0.0	0.0		7.0600	-21.93205	
24.44289	98.25000	0.0	0.0	0.0	0.0		7.5643	-21.42834	
24.41882	98.25000	0.0	0.0	0.0	0.0		8.0686	-20.92463	
24.39474	98.25000	0.0	0.0	0.0	0.0		8.5729	-20.42092	
24.37066	98.25000	0.0	0.0	0.0	0.0		9.0771	-19.91721	
24.34658	98.25000	0.0	0.0	0.0	0.0		9.5814	-19.41350	
24.32250	98.25000	0.0	0.0	0.0	0.0		10.086	-18.90979	
24.29842	98.25000	0.0	0.0	0.0	0.0		10.590	-18.40608	
24.27434	98.25000	0.0	0.0	0.0	0.0		11.094	-17.90237	
24.25026	98.25000	0.0	0.0	0.0	0.0		11.599	-17.39866	
24.22618	98.25000	0.0	0.0	0.0	0.0		12.103	-16.89495	
24.20211	98.25000	0.0	0.0	0.0	0.0		12.607	-16.39124	
24.17803	98.25000	0.0	0.0	0.0	0.0		13.111	-15.88753	
24.15395	98.25000	0.0	0.0	0.0	0.0		13.616	-15.38382	
24.12987	98.25000	0.0	0.0	0.0	0.0		14.120	-14.88011	
24.10579	98.25000	0.0	0.0	0.0	0.0		14.624	-14.37639	
24.08171	98.25000	0.0	0.0	0.0	0.0		15.129	-13.87268	
24.05763	98.25000	0.0	0.0	0.0	0.0		15.633	-13.36897	
24.03355	98.25000	0.0	0.0	0.0	0.0		16.137	-12.86526	
24.00947	98.25000	0.0	0.0	0.0	0.0		16.641	-12.36155	
23.98539	98.25000	0.0	0.0	0.0	0.0		17.146	-11.85784	
23.96132	98.25000	0.0	0.0	0.0	0.0		17.650	-11.35413	
23.93724	98.25000	0.0	0.0	0.0	0.0		18.154	-10.85042	
23.91316	98.25000	0.0	0.0	0.0	0.0		18.659	-10.34671	
23.88908	98.25000	0.0	0.0	0.0	0.0		19.163	-9.84300	
23.86500	98.25000	0.0	0.0	0.0	0.0				



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Drg. Ref.		
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Stage: z	Stage: δx	Name Ref.	Specific δy Building: Ref.	Specific δH//δHperp.	Building: Name	Sub-building Name	Dist.	x	y
23.86500	98.25000	7	0.0	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	-9.84300	
							0.50701	-9.86721	
23.35857	98.25000		0.0	0.0	0.0	0.0	1.0140	-9.89143	
22.85214	98.25000		0.0	0.0	0.0	0.0	1.5210	-9.91564	
22.34571	98.25000		0.0	0.0	0.0	0.0	2.0280	-9.93986	
21.83929	98.25000		0.0	0.0	0.0	0.0	2.5350	-9.96407	
21.33286	98.25000		0.0	0.0	0.0	0.0	3.0420	-9.98829	
20.82643	98.25000		0.0	-0.14009	0.13993	0.0066906	3.5490	-10.01250	
20.32000	98.25000		0.0	-0.33000	0.32962	0.015761	4.0561	-10.03671	
19.81357	98.25000		0.0	-0.51991	0.51932	0.024831	4.5631	-10.06093	
19.30714	98.25000		0.0	-0.70982	0.70901	0.033901	5.0701	-10.08514	
18.80071	98.25000		0.0	-0.89973	0.89871	0.042971	5.5771	-10.10936	
18.29429	98.25000		0.0	-1.0896	1.0884	0.052041	6.0841	-10.13357	
17.78786	98.25000		0.0	-1.2796	1.2781	0.061111	6.5911	-10.15779	
17.28143	98.25000		0.0	-1.4695	1.4678	0.070181	7.0981	-10.18200	
16.77500	98.25000		0.0	-1.6594	1.6575	0.079251	7.6051	-10.20621	
16.26857	98.25000		0.0	-1.8493	1.8472	0.088321	8.1121	-10.23043	
15.76214	98.25000		0.0	-2.0392	2.0369	0.097391	8.6191	-10.25464	
15.25571	98.25000		0.0	-2.2291	2.2266	0.10646	9.1261	-10.27886	
14.74929	98.25000		0.0	-2.4190	2.4163	0.11553	9.6331	-10.30307	
14.24286	98.25000		0.0	-2.6089	2.6060	0.12460	10.140	-10.32729	
13.73643	98.25000		0.0	-2.7988	2.7956	0.13367	10.647	-10.35150	
13.23000	98.25000		0.0	-2.9888	2.9853	0.14274	11.154	-10.37571	
12.72357	98.25000		0.0	-3.1787	3.1750	0.15181	11.661	-10.39993	
12.21714	98.25000		0.0	-3.3686	3.3647	0.16088	12.168	-10.42414	
11.71071	98.25000		0.0	-3.5966	3.5925	0.17177	12.675	-10.44836	
11.20429	98.25000		0.0	-3.9553	3.9508	0.18890	13.182	-10.47257	
10.69786	98.25000		0.0	-4.3140	4.3091	0.20603	13.689	-10.49679	
10.19143	98.25000		0.0	-4.6727	4.6674	0.22317	14.196	-10.52100	
9.68500	98.25000		0.0	-5.0315	5.0257	0.24030			
9.68500	98.25000	8	0.0	-5.0315	-0.24014	5.0257	No 11 LG - Line 8	0.0	-10.52100
							0.50584	-11.02626	
9.70914	98.25000		0.0	-12.196	-0.58210	12.182	1.0117	-11.53152	
9.73329	98.25000		0.0	-12.164	-0.58057	12.150	1.5175	-12.03679	
9.75743	98.25000		0.0	-12.132	-0.57903	12.118	2.0234	-12.54205	
9.78157	98.25000		0.0	-12.100	-0.57749	12.086	2.5292	-13.04731	
9.80571	98.25000		0.0	-12.067	-0.57596	12.054	3.0350	-13.55257	
9.82986	98.25000		0.0	-12.079	-0.57650	12.065	3.5409	-14.05783	
9.85400	98.25000		0.0	-12.222	-0.58335	12.208	4.0467	-14.56310	
9.87814	98.25000		0.0	-12.387	-0.59123	12.373	4.5525	-15.06836	



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9 Lyndhurst Terrace, London
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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
9.90229	98.25000	0.0	-12.575	-0.60019	12.561		5.0584	-15.57362	
9.92643	98.25000	0.0	-12.784	-0.61017	12.770		5.5642	-16.07888	
9.95057	98.25000	0.0	-13.011	-0.62101	12.996		6.0701	-16.58414	
9.97471	98.25000	0.0	-13.248	-0.63232	13.233		6.5759	-17.08940	
9.99886	98.25000	0.0	-13.482	-0.64348	13.467		7.0817	-17.59467	
10.02300	98.25000	0.0	-13.694	-0.65360	13.679		7.5876	-18.09993	
10.04714	98.25000	0.0	-13.856	-0.66131	13.840		8.0934	-18.60519	
10.07129	98.25000	0.0	-12.806	-0.61120	12.791		8.5993	-19.11045	
10.09543	98.25000	0.0	-11.705	-0.55867	11.692		9.1051	-19.61571	
10.11957	98.25000	0.0	-10.638	-0.50772	10.626		9.6109	-20.12098	
10.14371	98.25000	0.0	-9.6352	-0.45987	9.6242		10.117	-20.62624	
10.16786	98.25000	0.0	-8.7155	-0.41598	8.7055		10.623	-21.13150	
10.19200	98.25000	0.0	-7.8844	-0.37631	7.8754		11.128	-21.63676	
10.21614	98.25000	0.0	-7.1400	-0.34078	7.1318		11.634	-22.14202	
10.24029	98.25000	0.0	-6.4911	-0.30981	6.4837		12.140	-22.64729	
10.26443	98.25000	0.0	-5.9564	-0.28429	5.9496		12.646	-23.15255	
10.28857	98.25000	0.0	-5.4799	-0.26155	5.4737		13.152	-23.65781	
10.31271	98.25000	0.0	-5.0541	-0.24123	5.0484		13.658	-24.16307	
10.33686	98.25000	0.0	-4.6722	-0.22300	4.6669		14.163	-24.66833	
10.36100	98.25000	0.0	-4.3282	-0.20658	4.3232		14.669	-25.17360	
10.38514	98.25000	0.0	-4.0169	-0.19172	4.0123		15.175	-25.67886	
10.40929	98.25000	0.0	-3.7341	-0.17822	3.7298		15.681	-26.18412	
10.43343	98.25000	0.0	-3.4759	-0.16590	3.4720		16.187	-26.68938	
10.45757	98.25000	0.0	-3.2393	-0.15461	3.2356		16.693	-27.19464	
10.48171	98.25000	0.0	-3.0214	-0.14421	3.0180		17.199	-27.69990	
10.50586	98.25000	0.0	-2.8201	-0.13460	2.8169		17.704	-28.20517	
10.53000	98.25000	0.0	-2.6333	-0.12568	2.6303		18.210	-28.71043	
10.55414	98.25000	0.0	-2.4594	-0.11738	2.4566		18.716	-29.21569	
10.57829	98.25000	0.0	-2.2969	-0.10963	2.2943		19.222	-29.72095	
10.60243	98.25000	0.0	-2.1446	-0.10236	2.1422		19.728	-30.22621	
10.62657	98.25000	0.0	-2.0014	-0.095524	1.9991		20.234	-30.73148	
10.65071	98.25000	0.0	-1.8664	-0.089079	1.8643		20.739	-31.23674	
10.67486	98.25000	0.0	-1.7387	-0.082985	1.7367		21.245	-31.74200	
10.69900	98.25000	0.0	-1.6177	-0.077209	1.6158				
-4.35700	96.40000	9	-4.4732	5.7078	-4.4515	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	-20.99000
-4.35313	96.40000	-3.5933	5.2532	-3.5734	5.2668		1.0235	-19.96650	
-4.34925	96.40000	-2.6911	5.1151	-2.6717	5.1253		2.0470	-18.94300	
-4.34537	96.40000	-1.7447	5.0538	-1.7255	5.0604		3.0705	-17.91950	
-4.34150	96.40000	-0.57337	5.0262	-0.55434	5.0283		4.0940	-16.89600	



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Stage: z	Stage: δx	Name Specific Building: Ref.	Specific δH//	Specific δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-4.33763	96.40000	1.1829	5.0323	1.2019	5.0278		5.1175	-15.87250	
-4.33375	96.40000	2.1548	5.0714	2.1740	5.0632		6.1410	-14.84900	
-4.32987	96.40000	3.0899	5.1288	3.1093	5.1170		7.1646	-13.82550	
-4.32600	96.40000	4.0859	5.2545	4.1057	5.2390		8.1881	-12.80200	
-4.32600	96.40000	10 4.1831	5.2748	-5.2701	4.1889	No 7 Lyndhurst Terrace No 7 LG - Line 2	0.0	-12.70200	
-5.41040	96.40000	2.2485	4.9596	-4.9571	2.2540		1.0844	-12.70080	
-6.49480	96.40000	1.1697	4.3658	-4.3645	1.1746		2.1688	-12.69960	
-7.57920	96.40000	0.59527	3.4047	-3.4040	0.59903		3.2532	-12.69840	
-8.66360	96.40000	0.24968	2.2351	-2.2348	0.25216		4.3376	-12.69720	
-9.74800	96.40000	0.022938	1.6434	-1.6434	0.024757		5.4220	-12.69600	
-9.84800	96.40000	11 0.0059553	1.6131	0.0059553	1.6131	No 7 Lyndhurst Terrace No 7 LG - Line 3	0.0	-12.69600	
-9.84800	96.40000	0.015607	1.9988	0.015607	1.9988		0.93500	-11.76100	
-9.84800	96.40000	0.0	2.3800	0.0	2.3800		1.8700	-10.82600	
-9.84800	96.40000	0.0	2.7713	0.0	2.7713		2.8050	-9.89100	
-9.94800	96.40000	12 0.0	2.7161	-2.7157	0.048850	No 7 Lyndhurst Terrace No 7 LG - Line 4	0.0	-9.89100	
-10.90233	96.40000	0.0	2.4693	-2.4689	0.044411		0.95449	-9.87383	
-11.85667	96.40000	0.0	2.2401	-2.2397	0.040289		1.9090	-9.85667	
-12.81100	96.40000	0.0	1.9834	-1.9831	0.035672		2.8635	-9.83950	
-13.76533	96.40000	0.0	1.7069	-1.7066	0.030699		3.8180	-9.82233	
-14.71967	96.40000	0.0	1.4156	-1.4153	0.025459		4.7724	-9.80517	
-15.67400	96.40000	0.0	1.1129	-1.1127	0.020016		5.7269	-9.78800	
-15.77400	96.40000	13 0.0	1.0805	0.0	-1.0805	No 7 Lyndhurst Terrace No 7 LG - Line 5	0.0	-9.78800	
-15.77400	96.40000	0.0	0.95848	0.0	-0.95848		0.98400	-10.77200	
-15.77400	96.40000	0.0	0.82287	0.0	-0.82287		1.9680	-11.75600	
-15.77400	96.40000	0.0	0.67913	0.0	-0.67913		2.9520	-12.74000	
-15.87400	96.40000	14 0.0	0.65453	-0.65338	-0.038815	No 7 Lyndhurst Terrace No 7 LG - Line 6	0.0	-12.74000	
-16.82340	96.40000	0.0	0.40525	-0.40454	-0.024032		0.95107	-12.79640	
-17.77280	96.40000	0.0	0.14431	-0.14405	-0.0085577		1.9021	-12.85280	
-18.72220	96.40000	0.0	0.0	0.0	0.0		2.8532	-12.90920	
-19.67160	96.40000	0.0	0.0	0.0	0.0		3.8043	-12.96560	
-20.62100	96.40000	0.0	0.0	0.0	0.0		4.7554	-13.02200	
-21.57040	96.40000	0.0	0.0	0.0	0.0		5.7064	-13.07840	
-22.51980	96.40000	0.0	0.0	0.0	0.0		6.6575	-13.13480	
-23.46920	96.40000	0.0	0.0	0.0	0.0		7.6086	-13.19120	
-24.41860	96.40000	0.0	0.0	0.0	0.0		8.5597	-13.24760	
-25.36800	96.40000	0.0	0.0	0.0	0.0		9.5107	-13.30400	
-26.31740	96.40000	0.0	0.0	0.0	0.0		10.462	-13.36040	
-27.26680	96.40000	0.0	0.0	0.0	0.0		11.413	-13.41680	
							12.364	-13.47320	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-28.21620	96.40000		0.0	0.0	0.0	0.0	13.315	-13.52960	
-29.16560	96.40000		0.0	0.0	0.0	0.0	14.266	-13.58600	
-30.11500	96.40000		0.0	0.0	0.0	0.0			
-30.21500	96.40000	15	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	-13.58600	
-30.24270	96.40000		0.0	0.0	0.0	0.0	1.0545	-14.64010	
-30.27040	96.40000		0.0	0.0	0.0	0.0	2.1089	-15.69420	
-30.29810	96.40000		0.0	0.0	0.0	0.0	3.1634	-16.74830	
-30.32580	96.40000		0.0	0.0	0.0	0.0	4.2179	-17.80240	
-30.35350	96.40000		0.0	0.0	0.0	0.0	5.2723	-18.85650	
-30.38120	96.40000		0.0	0.0	0.0	0.0	6.3268	-19.91060	
-30.40890	96.40000		0.0	0.0	0.0	0.0	7.3812	-20.96470	
-30.43660	96.40000		0.0	0.0	0.0	0.0	8.4357	-22.01880	
-30.46430	96.40000		0.0	0.0	0.0	0.0	9.4902	-23.07290	
-30.49200	96.40000		0.0	0.0	0.0	0.0	10.545	-24.12700	
-30.49200	96.40000	16	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	-24.22700	
-29.47300	96.40000		0.0	0.0	0.0	0.0	1.0190	-24.23400	
-28.45400	96.40000		0.0	0.0	0.0	0.0	2.0380	-24.24100	
-28.45400	96.40000	17	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	-24.34100	
-28.46000	96.40000		0.0	0.0	0.0	0.0	0.72952	-25.07050	
-28.46600	96.40000		0.0	0.0	0.0	0.0	1.4590	-25.80000	
-28.46600	96.40000	18	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	-25.90000	
-27.11950	96.40000		0.0	0.0	0.0	0.0	1.3465	-25.90950	
-25.77300	96.40000		0.0	0.0	0.0	0.0	2.6931	-25.91900	
-25.77300	96.40000	19	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	-25.81900	
-25.76700	96.40000		0.0	0.0	0.0	0.0	0.72952	-25.08950	
-25.76100	96.40000		0.0	0.0	0.0	0.0	1.4590	-24.36000	
-25.76100	96.40000	20	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	-24.26000	
-24.76771	96.40000		0.0	0.0	0.0	0.0	0.99331	-24.26700	
-23.77443	96.40000		0.0	0.0	0.0	0.0	1.9866	-24.27400	
-22.78114	96.40000		0.0	0.0	0.0	0.0	2.9799	-24.28100	
-21.78786	96.40000		0.0	0.0	0.0	0.0	3.9732	-24.28800	
-20.79457	96.40000		0.0	0.0	0.0	0.0	4.9666	-24.29500	
-19.80129	96.40000		0.0	0.0	0.0	0.0	5.9599	-24.30200	
-18.80800	96.40000		0.0	0.0	0.0	0.0	6.9532	-24.30900	
-18.70800	96.40000	21	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	-24.30900	
-18.70800	96.40000		0.0	0.0	0.0	0.0	0.92900	-25.23800	
-18.70800	96.40000		0.0	0.0	0.0	0.0	1.8580	-26.16700	
-18.70800	96.40000	22	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	-26.26700	
-18.03167	96.40000		0.0	0.0	0.0	0.0	0.84069	-26.76633	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: z	Stage: δx	Name: δy	Specific Building: δH//	Specific Building: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Ref.							
-17.35533	96.40000		0.0	0.0	0.0	0.0	1.6814	-27.26567	
-16.67900	96.40000		0.0	0.0	0.0	0.0	2.5221	-27.76500	
-16.57900	96.40000	23	0.0	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	-27.76500	
-15.49688	96.40000		0.0	0.0	0.0	0.0	1.0829	-27.72513	
-14.41475	96.40000		0.0	0.0	0.0	0.0	2.1657	-27.68525	
-13.33263	96.40000		0.0	0.0	0.0	0.0	3.2486	-27.64538	
-12.25050	96.40000		0.0	0.0	0.0	0.0	4.3314	-27.60550	
-11.16838	96.40000		0.0	0.0	0.0	0.0	5.4143	-27.56563	
-10.08625	96.40000		0.0	0.013750	0.013741	506.33E-6	6.4972	-27.52575	
-9.00413	96.40000		0.0	1.0959	1.0951	0.040354	7.5800	-27.48588	
-7.92200	96.40000		0.0	2.1780	2.1765	0.080202	8.6629	-27.44600	
-7.82200	96.40000	24	0.0	2.2780	0.0019321	2.2780	0.0	-27.44600	
-7.82150	96.40000		0.0	2.2785	0.0019326	2.2785	0.58950	-26.85650	
-7.82100	96.40000		0.0	2.2790	0.0019330	2.2790	1.1790	-26.26700	
-7.82100	96.40000	25	0.0	2.2790	2.2790	-0.0024505	0.0	-26.16700	
-7.72800	96.40000		0.0	2.3720	2.3720	-0.0025505	0.093000	-26.16710	
-7.63500	96.40000		0.0	2.4650	2.4650	-0.0026505	0.18600	-26.16720	
-7.54200	96.40000		0.0	2.5580	2.5580	-0.0027505	0.27900	-26.16730	
-7.44900	96.40000		0.0	2.6510	2.6510	-0.0028505	0.37200	-26.16740	
-7.35600	96.40000		0.0	2.7440	2.7440	-0.0029505	0.46500	-26.16750	
-7.26300	96.40000		0.0	2.8370	2.8370	-0.0030505	0.55800	-26.16760	
-7.17000	96.40000		0.0	2.9300	2.9300	-0.0031505	0.65100	-26.16770	
-7.07700	96.40000		0.0	3.0230	3.0230	-0.0032505	0.74400	-26.16780	
-6.98400	96.40000		0.0	3.1160	3.1160	-0.0033505	0.83700	-26.16790	
-6.89100	96.40000		0.0	3.2090	3.2090	-0.0034505	0.93000	-26.16800	
-6.89100	96.40000	26	0.0	3.2090	0.0032456	3.2090	0.0	-26.06800	
-6.89000	96.40000		0.0	3.2100	0.0032466	3.2100	0.98871	-25.07929	
-6.88900	96.40000		0.0	3.2110	0.0032477	3.2110	1.9774	-24.09057	
-6.88800	96.40000		0.0	3.2120	0.0032487	3.2120	2.9661	-23.10186	
-6.88700	96.40000		0.0	3.2416	0.0032786	3.2416	3.9549	-22.11314	
-6.88600	96.40000		-0.65361	4.5876	-0.64897	4.5882	4.9436	-21.12443	
-6.88500	96.40000		-1.0136	3.8306	-1.0097	3.8316	5.9323	-20.13571	
-6.88400	96.40000		-1.0072	3.2555	-1.0039	3.2565	6.9210	-19.14700	
-6.88400	96.40000	27	-0.98889	3.2080	3.2080	0.98889	0.0	-19.04700	
-6.76560	96.40000		-1.0574	3.3296	3.3296	1.0574	0.11840	-19.04700	
-6.64720	96.40000		-1.1280	3.4469	3.4469	1.1280	0.23680	-19.04700	
-6.52880	96.40000		-1.2009	3.5597	3.5597	1.2009	0.35520	-19.04700	
-6.41040	96.40000		-1.2758	3.6679	3.6679	1.2758	0.47360	-19.04700	
							0.59200	-19.04700	



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9 Lyndhurst Terrace, London
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Stage: z	Stage: δx	Name: δy	Specific: δH//	Specific: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
-6.29200	96.40000	-1.3530	3.7714	3.7714	1.3530		0.71040	-19.04700	
-6.17360	96.40000	-1.4322	3.8701	3.8701	1.4322		0.82880	-19.04700	
-6.05520	96.40000	-1.5135	3.9640	3.9640	1.5135		0.94720	-19.04700	
-5.93680	96.40000	-1.5967	4.0530	4.0530	1.5967		1.0656	-19.04700	
-5.81840	96.40000	-1.6818	4.1372	4.1372	1.6818		1.1840	-19.04700	
-5.70000	96.40000	-1.7685	4.2164	4.2164	1.7685		0.0	-19.14700	
-5.70000	96.40000	-1.8064	4.2622	1.8064	-4.2622	No 7 Lyndhurst Terrace No 7 LG - Line 20	0.0	-19.14700	
-5.70000	96.40000	-1.8674	4.3539	1.8674	-4.3539		0.18430	-19.33130	
-5.70000	96.40000	-1.9157	4.4559	1.9157	-4.4559		0.36860	-19.51560	
-5.70000	96.40000	-1.9493	4.5697	1.9493	-4.5697		0.55290	-19.69990	
-5.70000	96.40000	-1.9662	4.6968	1.9662	-4.6968		0.73720	-19.88420	
-5.70000	96.40000	-1.9641	4.8389	1.9641	-4.8389		0.92150	-20.06850	
-5.70000	96.40000	-1.9402	4.9980	1.9402	-4.9980		1.1058	-20.25280	
-5.70000	96.40000	-1.8915	5.1760	1.8915	-5.1760		1.2901	-20.43710	
-5.70000	96.40000	-1.8261	5.3876	1.8261	-5.3876		1.4744	-20.62140	
-5.70000	96.40000	-1.7347	5.6336	1.7347	-5.6336		1.6587	-20.80570	
-5.70000	96.40000	-1.6038	5.9057	1.6038	-5.9057		1.8430	-20.99000	
-5.70000	96.40000	-1.5153	6.0645	6.0645	1.5153	No 7 Lyndhurst Terrace No 7 LG - Line 21	0.0	-21.09000	
-5.56570	96.40000	-1.6811	6.1785	6.1785	1.6811		0.13430	-21.09000	
-5.43140	96.40000	-1.8682	6.2668	6.2668	1.8682		0.26860	-21.09000	
-5.29710	96.40000	-2.0799	6.3251	6.3251	2.0799		0.40290	-21.09000	
-5.16280	96.40000	-2.3198	6.3777	6.3777	2.3198		0.53720	-21.09000	
-5.02850	96.40000	-2.5920	6.4058	6.4058	2.5920		0.67150	-21.09000	
-4.89420	96.40000	-2.9002	6.3884	6.3884	2.9002		0.80580	-21.09000	
-4.75990	96.40000	-3.2471	6.3205	6.3205	3.2471		0.94010	-21.09000	
-4.62560	96.40000	-3.6337	6.1989	6.1989	3.6337		1.0744	-21.09000	
-4.49130	96.40000	-4.0573	6.0237	6.0237	4.0573		1.2087	-21.09000	
-4.35700	96.40000	-4.5101	5.7999	5.7999	4.5101		1.3430	-21.09000	
-30.49200	96.40000	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 22	0.0	-24.32700	
-30.44414	96.40000	0.0	0.0	0.0	0.0		0.95720	-25.28300	
-30.39629	96.40000	0.0	0.0	0.0	0.0		1.9144	-26.23900	
-30.34843	96.40000	0.0	0.0	0.0	0.0		2.8716	-27.19500	
-30.30057	96.40000	0.0	0.0	0.0	0.0		3.8288	-28.15100	
-30.25271	96.40000	0.0	0.0	0.0	0.0		4.7860	-29.10700	
-30.20486	96.40000	0.0	0.0	0.0	0.0		5.7432	-30.06300	
-30.15700	96.40000	0.0	0.0	0.0	0.0		6.7004	-31.01900	
-30.15700	96.40000	0.0	0.0	0.0	0.0	No 7 Lyndhurst Terrace No 7 LG - Line 23	0.0	-31.11900	
-29.16783	96.40000	0.0	0.0	0.0	0.0		0.98917	-31.11825	
-28.17867	96.40000	0.0	0.0	0.0	0.0		1.9783	-31.11750	



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9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

Stage: z	Stage: δx	Name: δy	Specific: δH//	Specific: δHperp.	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-27.18950	96.40000		0.0	0.0	0.0		2.9675	-31.11675	
-26.20033	96.40000		0.0	0.0	0.0		3.9567	-31.11600	
-25.21117	96.40000		0.0	0.0	0.0		4.9458	-31.11525	
-24.22200	96.40000		0.0	0.0	0.0		5.9350	-31.11450	
-23.23283	96.40000		0.0	0.0	0.0		6.9242	-31.11375	
-22.24367	96.40000		0.0	0.0	0.0		7.9133	-31.11300	
-21.25450	96.40000		0.0	0.0	0.0		8.9025	-31.11225	
-20.26533	96.40000		0.0	0.0	0.0		9.8917	-31.11150	
-19.27617	96.40000		0.0	0.0	0.0		10.881	-31.11075	
-18.28700	96.40000		0.0	0.0	0.0		11.870	-31.11000	
-17.29783	96.40000		0.0	0.0	0.0		12.859	-31.10925	
-16.30867	96.40000		0.0	0.0	0.0		13.848	-31.10850	
-15.31950	96.40000		0.0	0.0	0.0		14.838	-31.10775	
-14.33033	96.40000		0.0	0.0	0.0		15.827	-31.10700	
-13.34117	96.40000		0.0	0.0	0.0		16.816	-31.10625	
-12.35200	96.40000		0.0	0.0	0.0		17.805	-31.10550	
-11.36283	96.40000		0.0	0.0	0.0		18.794	-31.10475	
-10.37367	96.40000		0.0	0.0	0.0		19.783	-31.10400	
-9.38450	96.40000		0.0	0.71550	0.71550	542.50E-6	20.773	-31.10325	
-8.39533	96.40000		0.0	1.7047	1.7047	0.0012925	21.762	-31.10250	
-7.40617	96.40000		0.0	2.6938	2.6938	0.0020425	22.751	-31.10175	
-6.41700	96.40000		0.0	3.6830	3.6830	0.0027925	23.740	-31.10100	
-6.41700	96.40000	32	0.0	No 7 Lyndhurst Terrace	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	-31.00100	
-6.35920	96.40000		0.0	3.6830	0.22052	3.6764	0.96533	-30.03740	
-6.30140	96.40000		0.0	3.7408	0.22398	3.7341	1.9307	-29.07380	
-6.24360	96.40000		0.0	3.8148	0.22841	3.8080	2.8960	-28.11020	
-6.18580	96.40000		0.0	3.8919	0.23303	3.8849	3.8613	-27.14660	
-6.12800	96.40000		0.0	3.9689	0.23764	3.9618	4.8267	-26.18300	
-6.12800	96.40000	33	0.0	4.0460	0.24226	4.0387	0.0	-26.08300	
-6.04240	96.40000		0.0	4.0460	0.35257	4.0306	0.98234	-25.10440	
-5.95680	96.40000		0.0	4.1601	0.36251	4.1443	1.9647	-24.12580	
-5.87120	96.40000		0.0	4.2743	0.37246	4.2580	2.9470	-23.14720	
-5.78560	96.40000		0.0	4.3884	0.38240	4.3717	3.9293	-22.16860	
-5.70000	96.40000		0.0	4.5232	0.39415	4.5060	4.9117	-21.19000	
-40.00000	99.25000	34	-1.4142	6.2309	-0.86588	6.3305	0.0	-1.00000	
-39.00000	99.25000		0.0	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	1.0000	-1.00000	
-38.00000	99.25000		0.0	0.0	0.0	0.0	2.0000	-1.00000	
-37.00000	99.25000		0.0	0.0	0.0	0.0	3.0000	-1.00000	
							4.0000	-1.00000	



GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

9 Lyndhurst Terrace, London
Ground Movement Assessment
Stage 4 - Overall Term - Complete Construction

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Stage: z	Stage: δx	Name δy	Specific $\delta H //$	Specific δH_{perp}	Building: Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
-36.00000	99.25000		0.0	0.0	0.0		5.0000	-1.00000	
-35.00000	99.25000		0.0	0.0	0.0		6.0000	-1.00000	
-34.00000	99.25000		0.0	0.0	0.0		7.0000	-1.00000	
-33.00000	99.25000		0.0	0.0	0.0		8.0000	-1.00000	
-32.00000	99.25000		0.0	0.0	0.0		9.0000	-1.00000	
-31.00000	99.25000		0.0	0.0	0.0		10.0000	-1.00000	
-30.00000	99.25000		0.0	0.0	0.0		11.0000	-1.00000	
-29.00000	99.25000		0.0	0.0	0.0		12.0000	-1.00000	
-28.00000	99.25000		0.0	0.0	0.0		13.0000	-1.00000	
-27.00000	99.25000		0.0	0.0	0.0		14.0000	-1.00000	
-26.00000	99.25000		0.0	0.0	0.0		15.0000	-1.00000	
-25.00000	99.25000		0.0	0.0	0.0		16.0000	-1.00000	
-24.00000	99.25000		0.0	0.0	0.0		17.0000	-1.00000	
-23.00000	99.25000		0.0	0.0	0.0		18.0000	-1.00000	
-22.00000	99.25000		0.0	0.0	0.0		19.0000	-1.00000	
-21.00000	99.25000		0.0	0.0	0.0		20.0000	-1.00000	
-20.00000	99.25000		0.0	0.0	0.0		21.0000	-1.00000	
-19.00000	99.25000		0.0	0.0	0.0		22.0000	-1.00000	
-18.00000	99.25000		0.0	0.0	0.0		23.0000	-1.00000	
-17.00000	99.25000	-0.084275	0.16688	0.16688	0.084275		24.0000	-1.00000	
-16.00000	99.25000	-0.23432	0.42559	0.42559	0.23432		25.0000	-1.00000	
-15.00000	99.25000	-0.40399	0.66831	0.66831	0.40399		26.0000	-1.00000	
-14.00000	99.25000	-0.59675	0.89196	0.89196	0.59675		27.0000	-1.00000	
-13.00000	99.25000	-0.81669	1.0927	1.0927	0.81669		28.0000	-1.00000	
-12.00000	99.25000	-1.0685	1.2661	1.2661	1.0685		29.0000	-1.00000	
-11.00000	99.25000	-1.3571	1.4064	1.4064	1.3571		30.0000	-1.00000	
-10.00000	99.25000	-1.6878	1.5076	1.5076	1.6878		31.0000	-1.00000	
-9.00000	99.25000	-2.0309	1.5796	1.5796	2.0309		32.0000	-1.00000	
-8.00000	99.25000	-2.2126	1.7209	1.7209	2.2126		33.0000	-1.00000	
-7.00000	99.25000	-2.3943	1.8623	1.8623	2.3943		34.0000	-1.00000	
-6.00000	99.25000	-2.5761	2.0036	2.0036	2.5761		35.0000	-1.00000	
-5.00000	99.25000	-2.7578	2.1450	2.1450	2.7578		36.0000	-1.00000	
-4.00000	99.25000	-3.2325	1.9262	1.9262	3.2325		37.0000	-1.00000	
-3.00000	99.25000	-3.7517	1.3632	1.3632	3.7517		38.0000	-1.00000	
-2.00000	99.25000	-4.2243	0.56210	0.56210	4.2243		39.0000	-1.00000	
-1.00000	99.25000	-4.3964	0.23139	0.23139	4.3964		40.0000	-1.00000	
0.00000	99.25000	-4.4336	0.23335	0.23335	4.4336		41.0000	-1.00000	
1.00000	99.25000	-4.4708	0.23531	0.23531	4.4708		42.0000	-1.00000	
2.00000	99.25000	-4.5080	0.23726	0.23726	4.5080				



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Stage: z	Stage: δx	Name δy	Specific δH//	Specific Building: δHperp.	Name	Sub-building Name	Dist.	x	y
Ref.		Building: Ref.							
3.00000	99.25000	-4.5452	0.23922	0.23922	4.5452		43.000	-1.00000	
4.00000	99.25000	-4.5823	0.24118	0.24118	4.5823		44.000	-1.00000	
5.00000	99.25000	-4.6195	0.24313	0.24313	4.6195		45.000	-1.00000	
6.00000	99.25000	-4.6492	0.23715	0.23715	4.6492		46.000	-1.00000	
7.00000	99.25000	-3.8952	-0.50495	-0.50495	3.8952		47.000	-1.00000	
8.00000	99.25000	-3.1021	-1.1233	-1.1233	3.1021		48.000	-1.00000	
9.00000	99.25000	-2.3868	-1.5257	-1.5257	2.3868		49.000	-1.00000	
10.00000	99.25000	-1.7920	-1.7031	-1.7031	1.7920		50.000	-1.00000	
11.00000	99.25000	-1.4026	-1.8036	-1.8036	1.4026		51.000	-1.00000	
12.00000	99.25000	-1.1078	-1.8152	-1.8152	1.1078		52.000	-1.00000	
13.00000	99.25000	-0.87219	-1.7472	-1.7472	0.87219		53.000	-1.00000	
14.00000	99.25000	-0.68144	-1.6196	-1.6196	0.68144		54.000	-1.00000	
15.00000	99.25000	-0.52490	-1.4468	-1.4468	0.52490		55.000	-1.00000	
16.00000	99.25000	-0.39468	-1.2397	-1.2397	0.39468		56.000	-1.00000	
17.00000	99.25000	-0.28500	-1.0058	-1.0058	0.28500		57.000	-1.00000	
18.00000	99.25000	-0.19153	-0.75080	-0.75080	0.19153		58.000	-1.00000	
19.00000	99.25000	-0.11106	-0.47902	-0.47902	0.11106		59.000	-1.00000	
20.00000	99.25000	-0.041130	-0.19364	-0.19364	0.041130		60.000	-1.00000	
21.00000	99.25000	0.0	0.0	0.0	0.0		61.000	-1.00000	
22.00000	99.25000	0.0	0.0	0.0	0.0		62.000	-1.00000	
23.00000	99.25000	0.0	0.0	0.0	0.0		63.000	-1.00000	
24.00000	99.25000	0.0	0.0	0.0	0.0		64.000	-1.00000	
25.00000	99.25000	0.0	0.0	0.0	0.0		65.000	-1.00000	
26.00000	99.25000	0.0	0.0	0.0	0.0		66.000	-1.00000	
27.00000	99.25000	0.0	0.0	0.0	0.0		67.000	-1.00000	
28.00000	99.25000	0.0	0.0	0.0	0.0		68.000	-1.00000	
29.00000	99.25000	0.0	0.0	0.0	0.0		69.000	-1.00000	
30.00000	99.25000	0.0	0.0	0.0	0.0		70.000	-1.00000	

Specific Building Damage Results - Vertical Displacements

Stage: y	Stage: z	Name δz	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
Ref.		Building: Ref.						
[m]	[m]	[mm]				[m]	[m]	[m]
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1		0.0	0.0	
-31.74200	10.69900	98.25000	0.0				0.53328	
-31.71650	11.23167	98.25000	0.0				1.0666	
-31.69100	11.76433	98.25000	0.0				1.5998	
-31.66550	12.29700	98.25000	0.0				2.1331	
-31.64000	12.82967	98.25000	0.0					



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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-31.61450	13.36233	98.25000	0.0			2.6664	
-31.58900	13.89500	98.25000	0.0			3.1997	
-31.58900	13.89500	2 98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	0.0	
-31.08560	13.87100	98.25000	0.0			0.50397	
-30.58220	13.84700	98.25000	0.0			1.0079	
-30.07880	13.82300	98.25000	0.0			1.5119	
-29.57540	13.79900	98.25000	0.0			2.0159	
-29.07200	13.77500	98.25000	0.0			2.5199	
-29.07200	13.77500	3 98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	0.0	
-29.04869	14.26169	98.25000	0.0			0.48725	
-29.02538	14.74838	98.25000	0.0			0.97449	
-29.00206	15.23506	98.25000	0.0			1.4617	
-28.97875	15.72175	98.25000	0.0			1.9490	
-28.95544	16.20844	98.25000	0.0			2.4362	
-28.93212	16.69513	98.25000	0.0			2.9235	
-28.90881	17.18181	98.25000	0.0			3.4107	
-28.88550	17.66850	98.25000	0.0			3.8980	
-28.86219	18.15519	98.25000	0.0			4.3852	
-28.83888	18.64187	98.25000	0.0			4.8725	
-28.81556	19.12856	98.25000	0.0			5.3597	
-28.79225	19.61525	98.25000	0.0			5.8469	
-28.76894	20.10194	98.25000	0.0			6.3342	
-28.74563	20.58863	98.25000	0.0			6.8214	
-28.72231	21.07531	98.25000	0.0			7.3087	
-28.69900	21.56200	98.25000	0.0			7.7959	
-28.69900	21.56200	4 98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	0.0	
-28.91650	21.60100	98.25000	0.0			0.22097	
-29.13400	21.64000	98.25000	0.0			0.44194	
-29.13400	21.64000	5 98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	0.0	
-29.10900	22.16333	98.25000	0.0			0.52393	
-29.08400	22.68667	98.25000	0.0			1.0479	
-29.05900	23.21000	98.25000	0.0			1.5718	
-29.03400	23.73333	98.25000	0.0			2.0957	
-29.00900	24.25667	98.25000	0.0			2.6197	
-28.98400	24.78000	98.25000	0.0			3.1436	
-28.98400	24.78000	6 98.25000	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	0.0	
-28.48029	24.75592	98.25000	0.0			0.50429	
-27.97658	24.73184	98.25000	0.0			1.0086	
						1.5129	



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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Ref.	Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-27.47287	24.70776	98.25000	0.0				2.0171	
-26.96916	24.68368	98.25000	0.0				2.5214	
-26.46545	24.65961	98.25000	0.0				3.0257	
-25.96174	24.63553	98.25000	0.0				3.5300	
-25.45803	24.61145	98.25000	0.0				4.0343	
-24.95432	24.58737	98.25000	0.0				4.5386	
-24.45061	24.56329	98.25000	0.0				5.0429	
-23.94689	24.53921	98.25000	0.0				5.5471	
-23.44318	24.51513	98.25000	0.0				6.0514	
-22.93947	24.49105	98.25000	0.0				6.5557	
-22.43576	24.46697	98.25000	0.0				7.0600	
-21.93205	24.44289	98.25000	0.0				7.5643	
-21.42834	24.41882	98.25000	0.0				8.0686	
-20.92463	24.39474	98.25000	0.0				8.5729	
-20.42092	24.37066	98.25000	0.0				9.0771	
-19.91721	24.34658	98.25000	0.0				9.5814	
-19.41350	24.32250	98.25000	0.0				10.086	
-18.90979	24.29842	98.25000	0.0				10.590	
-18.40608	24.27434	98.25000	0.0				11.094	
-17.90237	24.25026	98.25000	0.0				11.599	
-17.39866	24.22618	98.25000	0.0				12.103	
-16.89495	24.20211	98.25000	0.0				12.607	
-16.39124	24.17803	98.25000	0.0				13.111	
-15.88753	24.15395	98.25000	0.0				13.616	
-15.38382	24.12987	98.25000	0.0				14.120	
-14.88011	24.10579	98.25000	0.0				14.624	
-14.37639	24.08171	98.25000	0.0				15.129	
-13.87268	24.05763	98.25000	0.0				15.633	
-13.36897	24.03355	98.25000	0.0				16.137	
-12.86526	24.00947	98.25000	0.0				16.641	
-12.36155	23.98539	98.25000	0.0				17.146	
-11.85784	23.96132	98.25000	0.0				17.650	
-11.35413	23.93724	98.25000	0.0				18.154	
-10.85042	23.91316	98.25000	0.0				18.659	
-10.34671	23.88908	98.25000	0.0				19.163	
-9.84300	23.86500	98.25000	0.0				0.0	0.0
-9.84300	23.86500	98.25000	0.0	No 11 Lyndhurst Terrace	No 11 LG - Line 7		0.50701	
-9.86721	23.35857	98.25000	0.0				1.0140	
-9.89143	22.85214	98.25000	0.0					



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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-9.91564	22.34571	98.25000	0.0			1.5210	
-9.93986	21.83929	98.25000	0.0			2.0280	
-9.96407	21.33286	98.25000	0.0			2.5350	
-9.98829	20.82643	98.25000	0.0			3.0420	
-10.01250	20.32000	98.25000	0.0			3.5490	
-10.03671	19.81357	98.25000	0.0			4.0561	
-10.06093	19.30714	98.25000	0.0			4.5631	
-10.08514	18.80071	98.25000	0.0			5.0701	
-10.10936	18.29429	98.25000	0.0			5.5771	
-10.13357	17.78786	98.25000	0.0			6.0841	
-10.15779	17.28143	98.25000	0.0			6.5911	
-10.18200	16.77500	98.25000	0.0			7.0981	
-10.20621	16.26857	98.25000	0.0			7.6051	
-10.23043	15.76214	98.25000	0.0			8.1121	
-10.25464	15.25571	98.25000	0.0			8.6191	
-10.27886	14.74929	98.25000	0.0			9.1261	
-10.30307	14.24286	98.25000	0.0			9.6331	
-10.32729	13.73643	98.25000	0.0			10.140	
-10.35150	13.23000	98.25000	0.0			10.647	
-10.37571	12.72357	98.25000	0.0			11.154	
-10.39993	12.21714	98.25000	0.0			11.661	
-10.42414	11.71071	98.25000	0.0069409			12.168	
-10.44836	11.20429	98.25000	0.031112			12.675	
-10.47257	10.69786	98.25000	0.061097			13.182	
-10.49679	10.19143	98.25000	0.11230			13.689	
-10.52100	9.68500	98.25000	0.19643			14.196	
-10.52100	9.68500	98.25000	0.19643	No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	0.0
-11.02626	9.70914	98.25000	0.19154			0.50584	
-11.53152	9.73329	98.25000	0.18674			1.0117	
-12.03679	9.75743	98.25000	0.18203			1.5175	
-12.54205	9.78157	98.25000	0.17742			2.0234	
-13.04731	9.80571	98.25000	0.17290			2.5292	
-13.55257	9.82986	98.25000	0.16846			3.0350	
-14.05783	9.85400	98.25000	0.16412			3.5409	
-14.56310	9.87814	98.25000	0.15987			4.0467	
-15.06836	9.90229	98.25000	0.15570			4.5525	
-15.57362	9.92643	98.25000	0.15162			5.0584	
-16.07888	9.95057	98.25000	0.14763			5.5642	
						6.0701	



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Stage: y	Stage: z	Name δz	Specific Building: Ref.	Specific Building: Ref.	Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-16.58414	9.97471	98.25000	0.14372					6.5759	
-17.08940	9.99886	98.25000	0.13989					7.0817	
-17.59467	10.02300	98.25000	0.13615					7.5876	
-18.09993	10.04714	98.25000	0.13243					8.0934	
-18.60519	10.07129	98.25000	0.11358					8.5993	
-19.11045	10.09543	98.25000	0.090085					9.1051	
-19.61571	10.11957	98.25000	0.066390					9.6109	
-20.12098	10.14371	98.25000	0.045763					10.117	
-20.62624	10.16786	98.25000	0.029652					10.623	
-21.13150	10.19200	98.25000	0.017665					11.128	
-21.63676	10.21614	98.25000	0.0078921					11.634	
-22.14202	10.24029	98.25000	0.0					12.140	
-22.64729	10.26443	98.25000	0.0					12.646	
-23.15255	10.28857	98.25000	0.0					13.152	
-23.65781	10.31271	98.25000	0.0					13.658	
-24.16307	10.33686	98.25000	0.0					14.163	
-24.66833	10.36100	98.25000	0.0					14.669	
-25.17360	10.38514	98.25000	0.0					15.175	
-25.67886	10.40929	98.25000	0.0					15.681	
-26.18412	10.43343	98.25000	0.0					16.187	
-26.68938	10.45757	98.25000	0.0					16.693	
-27.19464	10.48171	98.25000	0.0					17.199	
-27.69990	10.50586	98.25000	0.0					17.704	
-28.20517	10.53000	98.25000	0.0					18.210	
-28.71043	10.55414	98.25000	0.0					18.716	
-29.21569	10.57829	98.25000	0.0					19.222	
-29.72095	10.60243	98.25000	0.0					19.728	
-30.22621	10.62657	98.25000	0.0					20.234	
-30.73148	10.65071	98.25000	0.0					20.739	
-31.23674	10.67486	98.25000	0.0					21.245	
-31.74200	10.69900	98.25000	0.0						
-20.99000	-4.35700	96.40000	0.23075	9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	0.0	
-19.96650	-4.35313	96.40000	0.092889					1.0235	
-18.94300	-4.34925	96.40000	0.088129					2.0470	
-17.91950	-4.34537	96.40000	0.088995					3.0705	
-16.89600	-4.34150	96.40000	0.089868					4.0940	
-15.87250	-4.33763	96.40000	0.090747					5.1175	
-14.84900	-4.33375	96.40000	0.091632					6.1410	
-13.82550	-4.32987	96.40000	0.092523					7.1646	



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Stage: y	Stage: z	Name	Specific Building: δz	Specific Building: Name	Sub-building Name	Vertical	Dist.	x
Ref.		Building: Ref.				Offset		
-12.80200	-4.32600	96.40000	0.12608				8.1881	
		10		No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	0.0	
-12.70200	-4.32600	96.40000	0.13707				1.0844	
-12.70080	-5.41040	96.40000	0.015785				2.1688	
-12.69960	-6.49480	96.40000	0.0055855				3.2532	
-12.69840	-7.57920	96.40000	0.0				4.3376	
-12.69720	-8.66360	96.40000	0.0				5.4220	
-12.69600	-9.74800	96.40000	0.0				0.0	0.0
		11		No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	0.0	
-12.69600	-9.84800	96.40000	0.0				0.93500	
-11.76100	-9.84800	96.40000	0.0				1.8700	
-10.82600	-9.84800	96.40000	0.0				2.8050	
-9.89100	-9.84800	96.40000	0.0				0.0	0.0
		12		No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	0.0	
-9.89100	-9.94800	96.40000	0.0				0.95449	
-9.87383	-10.90233	96.40000	0.0				1.9090	
-9.85667	-11.85667	96.40000	0.0				2.8635	
-9.83950	-12.81100	96.40000	0.0				3.8180	
-9.82233	-13.76533	96.40000	0.0				4.7724	
-9.80517	-14.71967	96.40000	0.0				5.7269	
-9.78800	-15.67400	96.40000	0.0				0.0	0.0
		13		No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	0.0	
-9.78800	-15.77400	96.40000	0.0				0.98400	
-10.77200	-15.77400	96.40000	0.0				1.9680	
-11.75600	-15.77400	96.40000	0.0				2.9520	
-12.74000	-15.77400	96.40000	0.0				0.0	0.0
		14		No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	0.0	
-12.74000	-15.87400	96.40000	0.0				0.95107	
-12.79640	-16.82340	96.40000	0.0				1.9021	
-12.85280	-17.77280	96.40000	0.0				2.8532	
-12.90920	-18.72220	96.40000	0.0				3.8043	
-12.96560	-19.67160	96.40000	0.0				4.7554	
-13.02200	-20.62100	96.40000	0.0				5.7064	
-13.07840	-21.57040	96.40000	0.0				6.6575	
-13.13480	-22.51980	96.40000	0.0				7.6086	
-13.19120	-23.46920	96.40000	0.0				8.5597	
-13.24760	-24.41860	96.40000	0.0				9.5107	
-13.30400	-25.36800	96.40000	0.0				10.462	
-13.36040	-26.31740	96.40000	0.0				11.413	
-13.41680	-27.26680	96.40000	0.0				12.364	
-13.47320	-28.21620	96.40000	0.0				13.315	
-13.52960	-29.16560	96.40000	0.0				14.266	
-13.58600	-30.11500	96.40000	0.0				0.0	0.0
		15		No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	0.0	



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-13.58600	-30.21500	96.40000	0.0				1.0545	
-14.64010	-30.24270	96.40000	0.0				2.1089	
-15.69420	-30.27040	96.40000	0.0				3.1634	
-16.74830	-30.29810	96.40000	0.0				4.2179	
-17.80240	-30.32580	96.40000	0.0				5.2723	
-18.85650	-30.35350	96.40000	0.0				6.3268	
-19.91060	-30.38120	96.40000	0.0				7.3812	
-20.96470	-30.40890	96.40000	0.0				8.4357	
-22.01880	-30.43660	96.40000	0.0				9.4902	
-23.07290	-30.46430	96.40000	0.0				10.545	
-24.12700	-30.49200	96.40000	0.0					
-24.22700	-30.49200	16 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	0.0	1.0190
-24.23400	-29.47300	96.40000	0.0					2.0380
-24.24100	-28.45400	96.40000	0.0					
-24.34100	-28.45400	17 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	0.0	0.72952
-25.07050	-28.46000	96.40000	0.0					1.4590
-25.80000	-28.46600	96.40000	0.0					
-25.90000	-28.46600	18 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	0.0	1.3465
-25.90950	-27.11950	96.40000	0.0					2.6931
-25.91900	-25.77300	96.40000	0.0					
-25.81900	-25.77300	19 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	0.0	0.72952
-25.08950	-25.76700	96.40000	0.0					1.4590
-24.36000	-25.76100	96.40000	0.0					
-24.26000	-25.76100	20 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	0.0	0.99331
-24.26700	-24.76771	96.40000	0.0					1.9866
-24.27400	-23.77443	96.40000	0.0					2.9799
-24.28100	-22.78114	96.40000	0.0					3.9732
-24.28800	-21.78786	96.40000	0.0					4.9666
-24.29500	-20.79457	96.40000	0.0					5.9599
-24.30200	-19.80129	96.40000	0.0					6.9532
-24.30900	-18.80800	96.40000	0.0					
-24.30900	-18.70800	21 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	0.0	0.92900
-25.23800	-18.70800	96.40000	0.0					1.8580
-26.16700	-18.70800	96.40000	0.0					
-26.26700	-18.70800	22 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	0.0	0.84069
-26.76633	-18.03167	96.40000	0.0					1.6814
-27.26567	-17.35533	96.40000	0.0					2.5221
-27.76500	-16.67900	96.40000	0.0					
-27.76500	-16.57900	23 96.40000	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	0.0	

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Stage: y	Stage: z	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-27.72513	-15.49688	96.40000	0.0			1.0829	
-27.68525	-14.41475	96.40000	0.0			2.1657	
-27.64538	-13.33263	96.40000	0.0			3.2486	
-27.60550	-12.25050	96.40000	0.0			4.3314	
-27.56563	-11.16838	96.40000	0.0			5.4143	
-27.52575	-10.08625	96.40000	0.0			6.4972	
-27.48588	-9.00413	96.40000	0.0			7.5800	
-27.44600	-7.92200	96.40000	0.0			8.6629	
-27.44600	-7.82200	24 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	0.0	
-26.85650	-7.82150	96.40000	0.0			0.58950	
-26.26700	-7.82100	96.40000	0.0			1.1790	
-26.16700	-7.82100	25 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	0.0	
-26.16710	-7.72800	96.40000	0.0			0.093000	
-26.16720	-7.63500	96.40000	0.0			0.18600	
-26.16730	-7.54200	96.40000	0.0			0.27900	
-26.16740	-7.44900	96.40000	0.0			0.37200	
-26.16750	-7.35600	96.40000	0.0			0.46500	
-26.16760	-7.26300	96.40000	0.0			0.55800	
-26.16770	-7.17000	96.40000	0.0			0.65100	
-26.16780	-7.07700	96.40000	0.0			0.74400	
-26.16790	-6.98400	96.40000	0.0			0.83700	
-26.16800	-6.89100	96.40000	0.0			0.93000	
-26.06800	-6.89100	26 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	0.0	
-25.07929	-6.89000	96.40000	0.0			0.98871	
-24.09057	-6.88900	96.40000	0.0			1.9774	
-23.10186	-6.88800	96.40000	0.0			2.9661	
-22.11314	-6.88700	96.40000	0.0			3.9549	
-21.12443	-6.88600	96.40000	0.0			4.9436	
-20.13571	-6.88500	96.40000	0.0			5.9323	
-19.14700	-6.88400	96.40000	0.0			6.9210	
-19.04700	-6.88400	27 96.40000	No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	0.0	
-19.04700	-6.76560	96.40000	0.0			0.11840	
-19.04700	-6.64720	96.40000	0.0			0.23680	
-19.04700	-6.52880	96.40000	0.0			0.35520	
-19.04700	-6.41040	96.40000	0.0			0.47360	
-19.04700	-6.29200	96.40000	0.0			0.59200	
-19.04700	-6.17360	96.40000	0.0			0.71040	
-19.04700	-6.05520	96.40000	0.0			0.82880	
						0.94720	



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-19.04700	-5.93680	96.40000		0.0				1.0656	
-19.04700	-5.81840	96.40000		0.0				1.1840	
-19.04700	-5.70000	96.40000		0.0					
-19.14700	-5.70000	96.40000	28	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	0.0	
-19.33130	-5.70000	96.40000		0.0				0.18430	
-19.51560	-5.70000	96.40000		0.0				0.36860	
-19.69990	-5.70000	96.40000		0.0				0.55290	
-19.88420	-5.70000	96.40000		0.0				0.73720	
-20.06850	-5.70000	96.40000		0.0				0.92150	
-20.25280	-5.70000	96.40000		0.0				1.1058	
-20.43710	-5.70000	96.40000		0.0				1.2901	
-20.62140	-5.70000	96.40000		0.0041238				1.4744	
-20.80570	-5.70000	96.40000		0.0098262				1.6587	
-20.99000	-5.70000	96.40000		0.015154				1.8430	
-21.09000	-5.70000	96.40000	29	0.018218	No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	0.0	
-21.09000	-5.56570	96.40000		0.025928				0.13430	
-21.09000	-5.43140	96.40000		0.036065				0.26860	
-21.09000	-5.29710	96.40000		0.049024				0.40290	
-21.09000	-5.16280	96.40000		0.069757				0.53720	
-21.09000	-5.02850	96.40000		0.094365				0.67150	
-21.09000	-4.89420	96.40000		0.12144				0.80580	
-21.09000	-4.75990	96.40000		0.15185				0.94010	
-21.09000	-4.62560	96.40000		0.18586				1.0744	
-21.09000	-4.49130	96.40000		0.22323				1.2087	
-21.09000	-4.35700	96.40000		0.26340				1.3430	
-24.32700	-30.49200	96.40000	30	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	0.0	
-25.28300	-30.44414	96.40000		0.0				0.95720	
-26.23900	-30.39629	96.40000		0.0				1.9144	
-27.19500	-30.34843	96.40000		0.0				2.8716	
-28.15100	-30.30057	96.40000		0.0				3.8288	
-29.10700	-30.25271	96.40000		0.0				4.7860	
-30.06300	-30.20486	96.40000		0.0				5.7432	
-31.01900	-30.15700	96.40000		0.0				6.7004	
-31.11900	-30.15700	96.40000	31	0.0	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	0.0	
-31.11825	-29.16783	96.40000		0.0				0.98917	
-31.11750	-28.17867	96.40000		0.0				1.9783	
-31.11675	-27.18950	96.40000		0.0				2.9675	
-31.11600	-26.20033	96.40000		0.0				3.9567	
-31.11525	-25.21117	96.40000		0.0				4.9458	



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-31.11450	-24.22200	96.40000		0.0			5.9350	
-31.11375	-23.23283	96.40000		0.0			6.9242	
-31.11300	-22.24367	96.40000		0.0			7.9133	
-31.11225	-21.25450	96.40000		0.0			8.9025	
-31.11150	-20.26533	96.40000		0.0			9.8917	
-31.11075	-19.27617	96.40000		0.0			10.881	
-31.11000	-18.28700	96.40000		0.0			11.870	
-31.10925	-17.29783	96.40000		0.0			12.859	
-31.10850	-16.30867	96.40000		0.0			13.848	
-31.10775	-15.31950	96.40000		0.0			14.838	
-31.10700	-14.33033	96.40000		0.0			15.827	
-31.10625	-13.34117	96.40000		0.0			16.816	
-31.10550	-12.35200	96.40000		0.0			17.805	
-31.10475	-11.36283	96.40000		0.0			18.794	
-31.10400	-10.37367	96.40000		0.0			19.783	
-31.10325	-9.38450	96.40000		0.0			20.773	
-31.10250	-8.39533	96.40000		0.0			21.762	
-31.10175	-7.40617	96.40000		0.0			22.751	
-31.10100	-6.41700	96.40000		0.0			23.740	
-31.00100	-6.41700	96.40000	32	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	0.0	
-30.03740	-6.35920	96.40000		0.0			0.96533	
-29.07380	-6.30140	96.40000		0.0029315			1.9307	
-28.11020	-6.24360	96.40000		0.0058547			2.8960	
-27.14660	-6.18580	96.40000		0.0085533			3.8613	
-26.18300	-6.12800	96.40000		0.011207			4.8267	
-26.08300	-6.12800	96.40000	33	No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	0.0	
-25.10440	-6.04240	96.40000		0.015413			0.98234	
-24.12580	-5.95680	96.40000		0.020402			1.9647	
-23.14720	-5.87120	96.40000		0.026638			2.9470	
-22.16860	-5.78560	96.40000		0.034539			3.9293	
-21.19000	-5.70000	96.40000		0.021468			4.9117	
-1.00000	-40.00000	99.25000	34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	0.0	
-1.00000	-39.00000	99.25000		0.0			1.0000	
-1.00000	-38.00000	99.25000		0.0			2.0000	
-1.00000	-37.00000	99.25000		0.0			3.0000	
-1.00000	-36.00000	99.25000		0.0			4.0000	
-1.00000	-35.00000	99.25000		0.0			5.0000	
-1.00000	-34.00000	99.25000		0.0			6.0000	
							7.0000	



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-1.00000	-33.00000	99.25000	0.0			8.0000	
-1.00000	-32.00000	99.25000	0.0			9.0000	
-1.00000	-31.00000	99.25000	0.0			10.0000	
-1.00000	-30.00000	99.25000	0.0			11.0000	
-1.00000	-29.00000	99.25000	0.0			12.0000	
-1.00000	-28.00000	99.25000	0.0			13.0000	
-1.00000	-27.00000	99.25000	0.0			14.0000	
-1.00000	-26.00000	99.25000	0.0			15.0000	
-1.00000	-25.00000	99.25000	0.0			16.0000	
-1.00000	-24.00000	99.25000	0.0			17.0000	
-1.00000	-23.00000	99.25000	0.0			18.0000	
-1.00000	-22.00000	99.25000	0.0			19.0000	
-1.00000	-21.00000	99.25000	0.0			20.0000	
-1.00000	-20.00000	99.25000	0.0			21.0000	
-1.00000	-19.00000	99.25000	0.0			22.0000	
-1.00000	-18.00000	99.25000	0.0			23.0000	
-1.00000	-17.00000	99.25000	0.0			24.0000	
-1.00000	-16.00000	99.25000	0.0			25.0000	
-1.00000	-15.00000	99.25000	0.0			26.0000	
-1.00000	-14.00000	99.25000	0.0			27.0000	
-1.00000	-13.00000	99.25000	0.0			28.0000	
-1.00000	-12.00000	99.25000	0.0			29.0000	
-1.00000	-11.00000	99.25000	0.0			30.0000	
-1.00000	-10.00000	99.25000	0.0			31.0000	
-1.00000	-9.00000	99.25000	0.0			32.0000	
-1.00000	-8.00000	99.25000	0.0			33.0000	
-1.00000	-7.00000	99.25000	0.0			34.0000	
-1.00000	-6.00000	99.25000	0.0			35.0000	
-1.00000	-5.00000	99.25000	0.0			36.0000	
-1.00000	-4.00000	99.25000	0.026132			37.0000	
-1.00000	-3.00000	99.25000	0.048478			38.0000	
-1.00000	-2.00000	99.25000	0.065562			39.0000	
-1.00000	-1.00000	99.25000	0.071245			40.0000	
-1.00000	0.00000	99.25000	0.075952			41.0000	
-1.00000	1.00000	99.25000	0.080940			42.0000	
-1.00000	2.00000	99.25000	0.086222			43.0000	
-1.00000	3.00000	99.25000	0.091811			44.0000	
-1.00000	4.00000	99.25000	0.097720			45.0000	
-1.00000	5.00000	99.25000	0.10396				



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Stage: y	Stage: z	Name Specific δz	Specific Building: Name Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x
-1.00000	6.00000	99.25000	0.11054				46.000	
-1.00000	7.00000	99.25000	0.10135				47.000	
-1.00000	8.00000	99.25000	0.070084				48.000	
-1.00000	9.00000	99.25000	0.037143				49.000	
-1.00000	10.00000	99.25000	0.0065874				50.000	
-1.00000	11.00000	99.25000	0.0				51.000	
-1.00000	12.00000	99.25000	0.0				52.000	
-1.00000	13.00000	99.25000	0.0				53.000	
-1.00000	14.00000	99.25000	0.0				54.000	
-1.00000	15.00000	99.25000	0.0				55.000	
-1.00000	16.00000	99.25000	0.0				56.000	
-1.00000	17.00000	99.25000	0.0				57.000	
-1.00000	18.00000	99.25000	0.0				58.000	
-1.00000	19.00000	99.25000	0.0				59.000	
-1.00000	20.00000	99.25000	0.0				60.000	
-1.00000	21.00000	99.25000	0.0				61.000	
-1.00000	22.00000	99.25000	0.0				62.000	
-1.00000	23.00000	99.25000	0.0				63.000	
-1.00000	24.00000	99.25000	0.0				64.000	
-1.00000	25.00000	99.25000	0.0				65.000	
-1.00000	26.00000	99.25000	0.0				66.000	
-1.00000	27.00000	99.25000	0.0				67.000	
-1.00000	28.00000	99.25000	0.0				68.000	
-1.00000	29.00000	99.25000	0.0				69.000	
-1.00000	30.00000	99.25000	0.0				70.000	

Specific Building Damage Results - Detail

Stage: Segment	Stage: Start	Name Horizontal	Specific Length	Specific Curvature	Specific Building: Deflection	Name Average	Sub-building Name Max	Sub-building Name Max Gradient	Vertical Offset Max	Vertical Offset Min
Damage Category	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Ratio	Horizontal	Tensile	of	of Vertical	Radius of	of	of	of	from Line for	from Line for
Strain	Strain	Horizontal	Displacement	Curvature	Curvature	Curvature	Curvature	Curvature	Vertical Movement	Vertical Movement
Displacement	Curve	Curve	Curve	Curve	Curve	Curve	Curve	Curve	Calculations	Calculations
[m]	[m]	[%]	[%]	[%]	[m]	[m]	[m]	[m]	[m]	[m]
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	No 11 LG - Line 1	No 11 LG - Line 1	0.0 All	0.0 All
vertical displacements are less than the limit sensitivity.										
2			No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	No 11 LG - Line 2	No 11 LG - Line 2	0.0 All	0.0 All
vertical displacements are less than the limit sensitivity.										
3			No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	No 11 LG - Line 3	No 11 LG - Line 3	0.0 All	0.0 All
vertical displacements are less than the limit sensitivity.										
4			No 11 Lyndhurst Terrace	No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	No 11 LG - Line 4	No 11 LG - Line 4	0.0 All	0.0 All
vertical displacements are less than the limit sensitivity.										



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Ground Movement Assessment
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Stage Segment	Stage Name	Specific Start	Specific Length	Specific Curvature	Specific Building: Deflection	Specific Building: Average	Sub-building Name Max	Sub-building Name Max Gradient	Vertical Offset Max Gradient	Vertical Offset Min
		Ref.	Building:						from Line for	
		5	No 11 Lyndhurst Terrace	No 11 LG - Line 5					0.0 All	
		6	No 11 Lyndhurst Terrace	No 11 LG - Line 6					0.0 All	
		7	No 11 Lyndhurst Terrace	No 11 LG - Line 7					0.0	1
13.689	0.50681	None	0.0	0.070672	0.070672	-706.22E-6	-165.81E-6	7178.8	1 (Very Slight)	
0.0	6.5848	None	28.492E-6	-0.0061281	0.0012257	676.48E-6	9.6748E-6	2.6266E+6	0 (Negligible)	
6.5848	1.5086	None	662.11E-6	0.0021516	0.0023107	-103.83E-6	46.442E-6	29399.0	0 (Negligible)	2
0.0	8.1880	None	0.0015172	0.10451	0.10556	-0.0017130	134.58E-6	6360.8	2 (Slight)	1
0.0	0.0	None	0.0	0.0	35.763E-9	-288.63E-6	111.82E-6	8545.4	0 (Negligible)	1
		11	No 7 Lyndhurst Terrace	No 7 LG - Line 3					0.0 All	
		12	No 7 Lyndhurst Terrace	No 7 LG - Line 4					0.0 All	
		13	No 7 Lyndhurst Terrace	No 7 LG - Line 5					0.0 All	
		14	No 7 Lyndhurst Terrace	No 7 LG - Line 6					0.0 All	
		15	No 7 Lyndhurst Terrace	No 7 LG - Line 7					0.0 All	
		16	No 7 Lyndhurst Terrace	No 7 LG - Line 8					0.0 All	
		17	No 7 Lyndhurst Terrace	No 7 LG - Line 9					0.0 All	
		18	No 7 Lyndhurst Terrace	No 7 LG - Line 10					0.0 All	
		19	No 7 Lyndhurst Terrace	No 7 LG - Line 11					0.0 All	
		20	No 7 Lyndhurst Terrace	No 7 LG - Line 12					0.0 All	
		21	No 7 Lyndhurst Terrace	No 7 LG - Line 13					0.0 All	
		22	No 7 Lyndhurst Terrace	No 7 LG - Line 14					0.0 All	
		23	No 7 Lyndhurst Terrace	No 7 LG - Line 15					0.0 All	
		24	No 7 Lyndhurst Terrace	No 7 LG - Line 16					0.0 All	
		25	No 7 Lyndhurst Terrace	No 7 LG - Line 17					0.0 All	
		26	No 7 Lyndhurst Terrace	No 7 LG - Line 18					0.0 All	
		27	No 7 Lyndhurst Terrace	No 7 LG - Line 19					0.0 All	
		28	No 7 Lyndhurst Terrace	No 7 LG - Line 20					0.0 All	
0.80580	0.53720	None	0.0012226	-0.10955	0.021921	0.0016690	-299.61E-6	5167.0	0 (Negligible)	1
		30	No 7 Lyndhurst Terrace	No 7 LG - Line 22					0.0 All	
		31	No 7 Lyndhurst Terrace	No 7 LG - Line 23					0.0 All	
		32	No 7 Lyndhurst Terrace	No 7 LG - Line 24					0.0 All	
		33	No 7 Lyndhurst Terrace	No 7 LG - Line 25					0.0 All	
45.000	2.0000	None	390.82E-6	-0.037404	0.0074810	742.66E-6	31.281E-6	64880.0	0 (Negligible)	1
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.										

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Building

Stage Category	Stage Name	Specific Average	Specific Max Slope	Specific Max	Specific Building: Max	Specific Building: Max Gradient	Sub-building Name Max Gradient	Sub-building Name Min Radius	Vertical Deflection Max	Vertical Deflection Ratio
		Ref.	Building:						Offset from	Ratio
		Horizontal	Settlement	Tensile	Horizontal	Vertical	of	of	Line for	
		Strain	Ref.	Strain	Displacement	Displacement	Curvature	Curvature	Vertical	
		Curve	Curve	(Hogging)	(Sagging)				Movement	



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 Ground Movement Assessment
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						Calculations	
[%]	[mm]	[%]	[m]	[m]	[%]	[m]	[%]
0	Base Model	7	No 11 Lyndhurst Terrace	No 11 LG - Line 7		0.0	0.0
0.070672	-165.81E-6	0.19639	0.070672	-706.22E-6	-165.81E-6	-	- 1 (Very Slight)
		8	No 11 Lyndhurst Terrace	No 11 LG - Line 8		0.0	662.11E-6
-0.0061281	46.442E-6	0.19643	0.0023107	676.48E-6	46.442E-6	-	- 0
		9	No 7 Lyndhurst Terrace	No 7 LG - Line 1		0.0	0.0015172
0.10451	134.58E-6	0.23075	0.10556	-0.0017130	134.58E-6	-	- 2 (Slight)
		10	No 7 Lyndhurst Terrace	No 7 LG - Line 2		0.0	0.0
0.0	111.82E-6	0.13707	35.763E-9	-288.63E-6	111.82E-6	-	- 0 (Negligible)
		29	No 7 Lyndhurst Terrace	No 7 LG - Line 21		0.0	0.0012226
-0.10955	-299.61E-6	0.26340	0.021921	0.0016690	-299.61E-6	-	- 0 (Negligible)
		34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line		0.0	390.82E-6
-0.037404	31.281E-6	0.11047	0.0074810	742.66E-6	31.281E-6	-	- 0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Building

Stage: Building Category Ref. Segment	Stage: Name Critical Ref. Building:	Specific Building: Name Start	Specific Building: Name End	Parameter Max	Parameter Min	Critical Sub-Damage
		Curvature	Curvature	Max Slope	Max	Min
		(Hogging)	(Sagging)	Settlement	Tensile	Radius of
		Strain	Curvature	Curvature	Radius of	Radius of
0	Base Model	0	No 11 Lyndhurst Terrace	Max Slope		No 11 LG - Line 7
1	13.689	14.196	None	165.81E-6	0.19639	0.070672
						- 1 (Very Slight)
1	0.0	6.5848	None	9.6748E-6	0.19643	0.0012257
						- 0 (Negligible)
1	13.689	14.196	None	165.81E-6	0.19639	0.070672
						- 1 (Very Slight)
						Min Radius of Curvature (Hogging)
						Min Radius of Curvature (Sagging)
1	0.80580	1.3430	None	299.61E-6	0.26340	0.021921
						- 0 (Negligible)
1	0.80580	1.3430	None	299.61E-6	0.26340	0.021921
						- 0 (Negligible)
1	0.0	8.1880	None	134.58E-6	0.23075	0.10556
						- 2 (Slight)
						Min Radius of Curvature (Hogging)
						Min Radius of Curvature (Sagging)
Curb Line	1	45.000	47.000	None	31.281E-6	0.11047
						0.0074810
						- 0 (Negligible)
Curb Line	1	45.000	47.000	None	31.281E-6	0.11047
						0.0074810
						- 0 (Negligible)
Curb Line	1	45.000	47.000	None	31.281E-6	0.11047
						0.0074810
						- 0 (Negligible)
						Min Radius of Curvature (Hogging)
						Min Radius of Curvature (Sagging)



9 Lyndhurst Terrace, London
Ground Movement Assessment
Further Assessment of No 7 Lyndhurst Terrace

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Titles

Job No.: J20089
Job Title: 9 Lyndhurst Terrace, London
Sub-title: Ground Movement Assessment
Calculation Heading: Further Assessment of No 7 Lyndhurst Terrace
Initials: AT
Checker:
Date Saved: 30-Aug-2023
Date Checked:
Notes:
File Name: XDisp - Complete Model - Further Assessment of No 7.xdd
File Path: G:\Shared\GEA\PROJECTS\2020\J20089 - 9 Lyndhurst Terrace\J20089A\GMA

History

Date	Time	By	Notes
10-Jun-2020	10:57	Alex Taylor	New
10-Jun-2020	11:11	Alex Taylor	
10-Jun-2020	19:07	Alex Taylor	
10-Jun-2020	19:12	Alex Taylor	
10-Jun-2020	19:14	Alex Taylor	
11-Jun-2020	12:11	Alex Taylor	
22-Jun-2020	12:41	Alex Taylor	
22-Jun-2020	13:10	Alex Taylor	
23-Sep-2020	14:20	Alex Taylor	
15-Oct-2020	15:14	Alex Taylor	
16-Oct-2020	12:05	Alex Taylor	
16-Oct-2020	12:19	Alex Taylor	
16-Oct-2020	13:06	Alex Taylor	
16-Oct-2020	13:10	Alex Taylor	
23-Oct-2020	14:54	Alex Taylor	
23-Oct-2020	15:03	Alex Taylor	
27-Oct-2020	11:54	Alex Taylor	
30-Aug-2023	09:29	Alex Taylor	
30-Aug-2023	13:44	Alex Taylor	
30-Aug-2023	13:56	Alex Taylor	
31-Aug-2023	15:17	Alex Taylor	Open

Displacement Lines



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Ref.	Name	x1	y1	z1	x2	y2	z2	Intervals	Surface type for tunnels	Interpolate imported for displacements	Calculate
		[m]	[m]	[m]	[m]	[m]	[m]	[No.]			
1	No 11 LG - Line 1	-31.74200	10.69900	98.25000	-31.58900	13.89500	98.25000	6	Surface	No	Yes
2	No 11 LG - Line 2	-31.58900	13.89500	98.25000	-29.07200	13.77500	98.25000	5	Surface	No	Yes
3	No 11 LG - Line 3	-29.07200	13.77500	98.25000	-28.69900	21.56200	98.25000	16	Surface	No	Yes
4	No 11 LG - Line 4	-28.69900	21.56200	98.25000	-29.13400	21.64000	98.25000	2	Surface	No	Yes
5	No 11 LG - Line 5	-29.13400	21.64000	98.25000	-28.98400	24.78000	98.25000	6	Surface	No	Yes
6	No 11 LG - Line 6	-28.98400	24.78000	98.25000	-9.84300	23.86500	98.25000	38	Surface	No	Yes
7	No 11 LG - Line 7	-9.84300	23.86500	98.25000	-10.52100	9.68500	98.25000	28	Surface	No	Yes
8	No 11 LG - Line 8	-10.52100	9.68500	98.25000	-31.74200	10.69900	98.25000	42	Surface	No	Yes
9	No 7 LG - Line 1	-20.99000	-4.35700	96.40000	-12.80200	-4.32600	96.40000	8	Surface	No	Yes
10	No 7 LG - Line 2	-12.70200	-4.32600	96.40000	-12.69600	-9.74800	96.40000	5	Surface	No	Yes
11	No 7 LG - Line 3	-12.69600	-9.84800	96.40000	-9.89100	-9.84800	96.40000	3	Surface	No	Yes
12	No 7 LG - Line 4	-9.89100	-9.94800	96.40000	-9.78800	-15.67400	96.40000	6	Surface	No	Yes
13	No 7 LG - Line 5	-9.78800	-15.77400	96.40000	-12.74000	-15.77400	96.40000	3	Surface	No	Yes
14	No 7 LG - Line 6	-12.74000	-15.87400	96.40000	-13.58600	-30.11500	96.40000	15	Surface	No	Yes
15	No 7 LG - Line 7	-13.58600	-30.21500	96.40000	-24.12700	-30.49200	96.40000	10	Surface	No	Yes
16	No 7 LG - Line 8	-24.22700	-30.49200	96.40000	-24.24100	-28.45400	96.40000	2	Surface	No	Yes
17	No 7 LG - Line 9	-24.34100	-28.45400	96.40000	-25.80000	-28.46600	96.40000	2	Surface	No	Yes
18	No 7 LG - Line 10	-25.90000	-28.46600	96.40000	-25.91900	-25.77300	96.40000	2	Surface	No	Yes
19	No 7 LG - Line 11	-25.81900	-25.77300	96.40000	-24.36000	-25.76100	96.40000	2	Surface	No	Yes
20	No 7 LG - Line 12	-24.26000	-25.76100	96.40000	-24.30900	-18.80800	96.40000	7	Surface	No	Yes
21	No 7 LG - Line 13	-24.30900	-18.70800	96.40000	-26.16700	-18.70800	96.40000	2	Surface	No	Yes
22	No 7 LG - Line 14	-26.26700	-18.70800	96.40000	-27.76500	-16.67900	96.40000	3	Surface	No	Yes
23	No 7 LG - Line 15	-27.76500	-16.57900	96.40000	-27.44600	-7.92200	96.40000	8	Surface	No	Yes
24	No 7 LG - Line 16	-27.44600	-7.82200	96.40000	-26.26700	-7.82100	96.40000	2	Surface	No	Yes
25	No 7 LG - Line 17	-26.16700	-7.82100	96.40000	-26.16800	-6.89100	96.40000	10	Surface	No	Yes
26	No 7 LG - Line 18	-26.06800	-6.89100	96.40000	-19.14700	-6.88400	96.40000	7	Surface	No	Yes
27	No 7 LG - Line 19	-19.04700	-6.88400	96.40000	-19.04700	-5.70000	96.40000	10	Surface	No	Yes
28	No 7 LG - Line 20	-19.14700	-5.70000	96.40000	-20.99000	-5.70000	96.40000	10	Surface	No	Yes
29	No 7 LG - Line 21	-21.09000	-5.70000	96.40000	-21.09000	-4.35700	96.40000	10	Surface	No	Yes
30	No 7 LG - Line 22	-24.32700	-30.49200	96.40000	-31.01900	-30.15700	96.40000	7	Surface	No	Yes
31	No 7 LG - Line 23	-31.11900	-30.15700	96.40000	-31.10100	-6.41700	96.40000	24	Surface	No	Yes
32	No 7 LG - Line 24	-31.00100	-6.41700	96.40000	-26.18300	-6.12800	96.40000	5	Surface	No	Yes
33	No 7 LG - Line 25	-26.08300	-6.12800	96.40000	-21.19000	-5.70000	96.40000	5	Surface	No	Yes
34	Thames Water Asset	2.00000	-40.00000	98.75000	2.00000	30.00000	98.75000	70	Surface	No	Yes
35	Lyndhurst Terrace Curb Line	-1.00000	-40.00000	99.25000	-1.00000	30.00000	99.25000	70	Surface	No	Yes
36	Cadent Gas Asset	0.00000	-40.00000	98.75000	0.00000	30.00000	98.75000	70	Surface	No	Yes
37	UKPN Asset	-2.00000	-40.00000	98.75000	-2.00000	30.00000	98.75000	70	Surface	No	Yes

Displacement Grids



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Ref.	Name	Extrusion: Direction	Base line start: X [m]	Base line start: Y [m]	Base line start: Z (level) [m]	Base line end: X [m]	Base line end: Y [m]	Base line end: Z (level) [m]	Base line: Intervals [No.]	Extrusion: Distance [m]	Extrusion: Intervals [No.]	Surface type for tunnels	Calculate
1	Grid 1	Global X	-40.00000	-40.00000	99.75000	-	30.00000	99.75000	70	45.00000	45	Surface	Yes

Imported Displacements

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1	PDisp - Stage 4 - Complete Overall Term.pdd - Immediate	1	-40.00000	-40.00000	99.75000	0.00000	0.00000	0.01265
1		2	-39.00000	-40.00000	99.75000	0.00000	0.00000	0.01279
1		3	-38.00000	-40.00000	99.75000	0.00000	0.00000	0.01290
1		4	-37.00000	-40.00000	99.75000	0.00000	0.00000	0.01297
1		5	-36.00000	-40.00000	99.75000	0.00000	0.00000	0.01301
1		6	-35.00000	-40.00000	99.75000	0.00000	0.00000	0.01301
1		7	-34.00000	-40.00000	99.75000	0.00000	0.00000	0.01296
1		8	-33.00000	-40.00000	99.75000	0.00000	0.00000	0.01287
1		9	-32.00000	-40.00000	99.75000	0.00000	0.00000	0.01274
1		10	-31.00000	-40.00000	99.75000	0.00000	0.00000	0.01256
1		11	-30.00000	-40.00000	99.75000	0.00000	0.00000	0.01234
1		12	-29.00000	-40.00000	99.75000	0.00000	0.00000	0.01207
1		13	-28.00000	-40.00000	99.75000	0.00000	0.00000	0.01175
1		14	-27.00000	-40.00000	99.75000	0.00000	0.00000	0.01139
1		15	-26.00000	-40.00000	99.75000	0.00000	0.00000	0.01099
1		16	-25.00000	-40.00000	99.75000	0.00000	0.00000	0.01054



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		17	-24.00000	-40.00000	99.75000	0.00000	0.00000	0.01005
1		18	-23.00000	-40.00000	99.75000	0.00000	0.00000	0.00953
1		19	-22.00000	-40.00000	99.75000	0.00000	0.00000	0.00897
1		20	-21.00000	-40.00000	99.75000	0.00000	0.00000	0.00837
1		21	-20.00000	-40.00000	99.75000	0.00000	0.00000	0.00775
1		22	-19.00000	-40.00000	99.75000	0.00000	0.00000	0.00711
1		23	-18.00000	-40.00000	99.75000	0.00000	0.00000	0.00644
1		24	-17.00000	-40.00000	99.75000	0.00000	0.00000	0.00576
1		25	-16.00000	-40.00000	99.75000	0.00000	0.00000	0.00507
1		26	-15.00000	-40.00000	99.75000	0.00000	0.00000	0.00437
1		27	-14.00000	-40.00000	99.75000	0.00000	0.00000	0.00367
1		28	-13.00000	-40.00000	99.75000	0.00000	0.00000	0.00297
1		29	-12.00000	-40.00000	99.75000	0.00000	0.00000	0.00228
1		30	-11.00000	-40.00000	99.75000	0.00000	0.00000	0.00160
1		31	-10.00000	-40.00000	99.75000	0.00000	0.00000	0.00094
1		32	-9.00000	-40.00000	99.75000	0.00000	0.00000	0.00029
1		33	-8.00000	-40.00000	99.75000	0.00000	0.00000	-0.00033
1		34	-7.00000	-40.00000	99.75000	0.00000	0.00000	-0.00092
1		35	-6.00000	-40.00000	99.75000	0.00000	0.00000	-0.00149
1		36	-5.00000	-40.00000	99.75000	0.00000	0.00000	-0.00203
1		37	-4.00000	-40.00000	99.75000	0.00000	0.00000	-0.00253
1		38	-3.00000	-40.00000	99.75000	0.00000	0.00000	-0.00300
1		39	-2.00000	-40.00000	99.75000	0.00000	0.00000	-0.00343
1		40	-1.00000	-40.00000	99.75000	0.00000	0.00000	-0.00382



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		41	0.00000	-40.00000	99.75000	0.00000	0.00000	-0.00418
1		42	-40.00000	-39.00000	99.75000	0.00000	0.00000	0.01380
1		43	-39.00000	-39.00000	99.75000	0.00000	0.00000	0.01397
1		44	-38.00000	-39.00000	99.75000	0.00000	0.00000	0.01410
1		45	-37.00000	-39.00000	99.75000	0.00000	0.00000	0.01420
1		46	-36.00000	-39.00000	99.75000	0.00000	0.00000	0.01425
1		47	-35.00000	-39.00000	99.75000	0.00000	0.00000	0.01426
1		48	-34.00000	-39.00000	99.75000	0.00000	0.00000	0.01422
1		49	-33.00000	-39.00000	99.75000	0.00000	0.00000	0.01413
1		50	-32.00000	-39.00000	99.75000	0.00000	0.00000	0.01400
1		51	-31.00000	-39.00000	99.75000	0.00000	0.00000	0.01381
1		52	-30.00000	-39.00000	99.75000	0.00000	0.00000	0.01357
1		53	-29.00000	-39.00000	99.75000	0.00000	0.00000	0.01328
1		54	-28.00000	-39.00000	99.75000	0.00000	0.00000	0.01294
1		55	-27.00000	-39.00000	99.75000	0.00000	0.00000	0.01254
1		56	-26.00000	-39.00000	99.75000	0.00000	0.00000	0.01210
1		57	-25.00000	-39.00000	99.75000	0.00000	0.00000	0.01161
1		58	-24.00000	-39.00000	99.75000	0.00000	0.00000	0.01107
1		59	-23.00000	-39.00000	99.75000	0.00000	0.00000	0.01049
1		60	-22.00000	-39.00000	99.75000	0.00000	0.00000	0.00987
1		61	-21.00000	-39.00000	99.75000	0.00000	0.00000	0.00921
1		62	-20.00000	-39.00000	99.75000	0.00000	0.00000	0.00852
1		63	-19.00000	-39.00000	99.75000	0.00000	0.00000	0.00781
1		64	-18.00000	-39.00000	99.75000	0.00000	0.00000	0.00707
1		65	-17.00000	-39.00000	99.75000	0.00000	0.00000	0.00631



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		66	-16.00000	-39.00000	99.75000	0.00000	0.00000	0.00554
1		67	-15.00000	-39.00000	99.75000	0.00000	0.00000	0.00477
1		68	-14.00000	-39.00000	99.75000	0.00000	0.00000	0.00399
1		69	-13.00000	-39.00000	99.75000	0.00000	0.00000	0.00321
1		70	-12.00000	-39.00000	99.75000	0.00000	0.00000	0.00245
1		71	-11.00000	-39.00000	99.75000	0.00000	0.00000	0.00169
1		72	-10.00000	-39.00000	99.75000	0.00000	0.00000	0.00096
1		73	-9.00000	-39.00000	99.75000	0.00000	0.00000	0.00024
1		74	-8.00000	-39.00000	99.75000	0.00000	0.00000	-0.00045
1		75	-7.00000	-39.00000	99.75000	0.00000	0.00000	-0.00111
1		76	-6.00000	-39.00000	99.75000	0.00000	0.00000	-0.00173
1		77	-5.00000	-39.00000	99.75000	0.00000	0.00000	-0.00232
1		78	-4.00000	-39.00000	99.75000	0.00000	0.00000	-0.00287
1		79	-3.00000	-39.00000	99.75000	0.00000	0.00000	-0.00338
1		80	-2.00000	-39.00000	99.75000	0.00000	0.00000	-0.00385
1		81	-1.00000	-39.00000	99.75000	0.00000	0.00000	-0.00428
1		82	0.00000	-39.00000	99.75000	0.00000	0.00000	-0.00467
1		83	-40.00000	-38.00000	99.75000	0.00000	0.00000	0.01506
1		84	-39.00000	-38.00000	99.75000	0.00000	0.00000	0.01527
1		85	-38.00000	-38.00000	99.75000	0.00000	0.00000	0.01543
1		86	-37.00000	-38.00000	99.75000	0.00000	0.00000	0.01554
1		87	-36.00000	-38.00000	99.75000	0.00000	0.00000	0.01562
1		88	-35.00000	-38.00000	99.75000	0.00000	0.00000	0.01564
1		89	-34.00000	-38.00000	99.75000	0.00000	0.00000	0.01561



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		90	-33.00000	-38.00000	99.75000	0.00000	0.00000	0.01553
1		91	-32.00000	-38.00000	99.75000	0.00000	0.00000	0.01539
1		92	-31.00000	-38.00000	99.75000	0.00000	0.00000	0.01519
1		93	-30.00000	-38.00000	99.75000	0.00000	0.00000	0.01494
1		94	-29.00000	-38.00000	99.75000	0.00000	0.00000	0.01463
1		95	-28.00000	-38.00000	99.75000	0.00000	0.00000	0.01425
1		96	-27.00000	-38.00000	99.75000	0.00000	0.00000	0.01382
1		97	-26.00000	-38.00000	99.75000	0.00000	0.00000	0.01334
1		98	-25.00000	-38.00000	99.75000	0.00000	0.00000	0.01280
1		99	-24.00000	-38.00000	99.75000	0.00000	0.00000	0.01220
1		100	-23.00000	-38.00000	99.75000	0.00000	0.00000	0.01156
1		101	-22.00000	-38.00000	99.75000	0.00000	0.00000	0.01088
1		102	-21.00000	-38.00000	99.75000	0.00000	0.00000	0.01015
1		103	-20.00000	-38.00000	99.75000	0.00000	0.00000	0.00938
1		104	-19.00000	-38.00000	99.75000	0.00000	0.00000	0.00859
1		105	-18.00000	-38.00000	99.75000	0.00000	0.00000	0.00777
1		106	-17.00000	-38.00000	99.75000	0.00000	0.00000	0.00692
1		107	-16.00000	-38.00000	99.75000	0.00000	0.00000	0.00607
1		108	-15.00000	-38.00000	99.75000	0.00000	0.00000	0.00520
1		109	-14.00000	-38.00000	99.75000	0.00000	0.00000	0.00434
1		110	-13.00000	-38.00000	99.75000	0.00000	0.00000	0.00347
1		111	-12.00000	-38.00000	99.75000	0.00000	0.00000	0.00262
1		112	-11.00000	-38.00000	99.75000	0.00000	0.00000	0.00178
1		113	-10.00000	-38.00000	99.75000	0.00000	0.00000	0.00096
1		114	-9.00000	-38.00000	99.75000	0.00000	0.00000	0.00017



9 Lyndhurst Terrace, London
 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		115	-8.00000	-38.00000	99.75000	0.00000	0.00000	-0.00059
1		116	-7.00000	-38.00000	99.75000	0.00000	0.00000	-0.00132
1		117	-6.00000	-38.00000	99.75000	0.00000	0.00000	-0.00201
1		118	-5.00000	-38.00000	99.75000	0.00000	0.00000	-0.00266
1		119	-4.00000	-38.00000	99.75000	0.00000	0.00000	-0.00326
1		120	-3.00000	-38.00000	99.75000	0.00000	0.00000	-0.00382
1		121	-2.00000	-38.00000	99.75000	0.00000	0.00000	-0.00433
1		122	-1.00000	-38.00000	99.75000	0.00000	0.00000	-0.00480
1		123	0.00000	-38.00000	99.75000	0.00000	0.00000	-0.00522
1		124	-40.00000	-37.00000	99.75000	0.00000	0.00000	0.01645
1		125	-39.00000	-37.00000	99.75000	0.00000	0.00000	0.01669
1		126	-38.00000	-37.00000	99.75000	0.00000	0.00000	0.01689
1		127	-37.00000	-37.00000	99.75000	0.00000	0.00000	0.01703
1		128	-36.00000	-37.00000	99.75000	0.00000	0.00000	0.01713
1		129	-35.00000	-37.00000	99.75000	0.00000	0.00000	0.01717
1		130	-34.00000	-37.00000	99.75000	0.00000	0.00000	0.01715
1		131	-33.00000	-37.00000	99.75000	0.00000	0.00000	0.01708
1		132	-32.00000	-37.00000	99.75000	0.00000	0.00000	0.01694
1		133	-31.00000	-37.00000	99.75000	0.00000	0.00000	0.01673
1		134	-30.00000	-37.00000	99.75000	0.00000	0.00000	0.01646
1		135	-29.00000	-37.00000	99.75000	0.00000	0.00000	0.01613
1		136	-28.00000	-37.00000	99.75000	0.00000	0.00000	0.01572
1		137	-27.00000	-37.00000	99.75000	0.00000	0.00000	0.01525
1		138	-26.00000	-37.00000	99.75000	0.00000	0.00000	0.01472



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		139	-25.00000	-37.00000	99.75000	0.00000	0.00000	0.01413
1		140	-24.00000	-37.00000	99.75000	0.00000	0.00000	0.01347
1		141	-23.00000	-37.00000	99.75000	0.00000	0.00000	0.01276
1		142	-22.00000	-37.00000	99.75000	0.00000	0.00000	0.01200
1		143	-21.00000	-37.00000	99.75000	0.00000	0.00000	0.01119
1		144	-20.00000	-37.00000	99.75000	0.00000	0.00000	0.01034
1		145	-19.00000	-37.00000	99.75000	0.00000	0.00000	0.00945
1		146	-18.00000	-37.00000	99.75000	0.00000	0.00000	0.00854
1		147	-17.00000	-37.00000	99.75000	0.00000	0.00000	0.00760
1		148	-16.00000	-37.00000	99.75000	0.00000	0.00000	0.00665
1		149	-15.00000	-37.00000	99.75000	0.00000	0.00000	0.00568
1		150	-14.00000	-37.00000	99.75000	0.00000	0.00000	0.00472
1		151	-13.00000	-37.00000	99.75000	0.00000	0.00000	0.00375
1		152	-12.00000	-37.00000	99.75000	0.00000	0.00000	0.00280
1		153	-11.00000	-37.00000	99.75000	0.00000	0.00000	0.00187
1		154	-10.00000	-37.00000	99.75000	0.00000	0.00000	0.00096
1		155	-9.00000	-37.00000	99.75000	0.00000	0.00000	0.00008
1		156	-8.00000	-37.00000	99.75000	0.00000	0.00000	-0.00076
1		157	-7.00000	-37.00000	99.75000	0.00000	0.00000	-0.00157
1		158	-6.00000	-37.00000	99.75000	0.00000	0.00000	-0.00233
1		159	-5.00000	-37.00000	99.75000	0.00000	0.00000	-0.00304
1		160	-4.00000	-37.00000	99.75000	0.00000	0.00000	-0.00371
1		161	-3.00000	-37.00000	99.75000	0.00000	0.00000	-0.00432
1		162	-2.00000	-37.00000	99.75000	0.00000	0.00000	-0.00488
1		163	-1.00000	-37.00000	99.75000	0.00000	0.00000	-0.00538



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		164	0.00000	-37.00000	99.75000	0.00000	0.00000	-0.00583
1		165	-40.00000	-36.00000	99.75000	0.00000	0.00000	0.01798
1		166	-39.00000	-36.00000	99.75000	0.00000	0.00000	0.01826
1		167	-38.00000	-36.00000	99.75000	0.00000	0.00000	0.01849
1		168	-37.00000	-36.00000	99.75000	0.00000	0.00000	0.01868
1		169	-36.00000	-36.00000	99.75000	0.00000	0.00000	0.01880
1		170	-35.00000	-36.00000	99.75000	0.00000	0.00000	0.01887
1		171	-34.00000	-36.00000	99.75000	0.00000	0.00000	0.01887
1		172	-33.00000	-36.00000	99.75000	0.00000	0.00000	0.01880
1		173	-32.00000	-36.00000	99.75000	0.00000	0.00000	0.01866
1		174	-31.00000	-36.00000	99.75000	0.00000	0.00000	0.01845
1		175	-30.00000	-36.00000	99.75000	0.00000	0.00000	0.01816
1		176	-29.00000	-36.00000	99.75000	0.00000	0.00000	0.01780
1		177	-28.00000	-36.00000	99.75000	0.00000	0.00000	0.01736
1		178	-27.00000	-36.00000	99.75000	0.00000	0.00000	0.01685
1		179	-26.00000	-36.00000	99.75000	0.00000	0.00000	0.01627
1		180	-25.00000	-36.00000	99.75000	0.00000	0.00000	0.01561
1		181	-24.00000	-36.00000	99.75000	0.00000	0.00000	0.01489
1		182	-23.00000	-36.00000	99.75000	0.00000	0.00000	0.01410
1		183	-22.00000	-36.00000	99.75000	0.00000	0.00000	0.01325
1		184	-21.00000	-36.00000	99.75000	0.00000	0.00000	0.01236
1		185	-20.00000	-36.00000	99.75000	0.00000	0.00000	0.01141
1		186	-19.00000	-36.00000	99.75000	0.00000	0.00000	0.01042
1		187	-18.00000	-36.00000	99.75000	0.00000	0.00000	0.00940



9 Lyndhurst Terrace, London
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		188	-17.00000	-36.00000	99.75000	0.00000	0.00000	0.00835
1		189	-16.00000	-36.00000	99.75000	0.00000	0.00000	0.00729
1		190	-15.00000	-36.00000	99.75000	0.00000	0.00000	0.00621
1		191	-14.00000	-36.00000	99.75000	0.00000	0.00000	0.00513
1		192	-13.00000	-36.00000	99.75000	0.00000	0.00000	0.00406
1		193	-12.00000	-36.00000	99.75000	0.00000	0.00000	0.00300
1		194	-11.00000	-36.00000	99.75000	0.00000	0.00000	0.00196
1		195	-10.00000	-36.00000	99.75000	0.00000	0.00000	0.00095
1		196	-9.00000	-36.00000	99.75000	0.00000	0.00000	-0.00003
1		197	-8.00000	-36.00000	99.75000	0.00000	0.00000	-0.00097
1		198	-7.00000	-36.00000	99.75000	0.00000	0.00000	-0.00186
1		199	-6.00000	-36.00000	99.75000	0.00000	0.00000	-0.00270
1		200	-5.00000	-36.00000	99.75000	0.00000	0.00000	-0.00349
1		201	-4.00000	-36.00000	99.75000	0.00000	0.00000	-0.00422
1		202	-3.00000	-36.00000	99.75000	0.00000	0.00000	-0.00489
1		203	-2.00000	-36.00000	99.75000	0.00000	0.00000	-0.00550
1		204	-1.00000	-36.00000	99.75000	0.00000	0.00000	-0.00604
1		205	0.00000	-36.00000	99.75000	0.00000	0.00000	-0.00653
1		206	-40.00000	-35.00000	99.75000	0.00000	0.00000	0.01966
1		207	-39.00000	-35.00000	99.75000	0.00000	0.00000	0.01999
1		208	-38.00000	-35.00000	99.75000	0.00000	0.00000	0.02027
1		209	-37.00000	-35.00000	99.75000	0.00000	0.00000	0.02049
1		210	-36.00000	-35.00000	99.75000	0.00000	0.00000	0.02065
1		211	-35.00000	-35.00000	99.75000	0.00000	0.00000	0.02075
1		212	-34.00000	-35.00000	99.75000	0.00000	0.00000	0.02077



9 Lyndhurst Terrace, London
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		213	-33.00000	-35.00000	99.75000	0.00000	0.00000	0.02071
1		214	-32.00000	-35.00000	99.75000	0.00000	0.00000	0.02058
1		215	-31.00000	-35.00000	99.75000	0.00000	0.00000	0.02036
1		216	-30.00000	-35.00000	99.75000	0.00000	0.00000	0.02006
1		217	-29.00000	-35.00000	99.75000	0.00000	0.00000	0.01967
1		218	-28.00000	-35.00000	99.75000	0.00000	0.00000	0.01920
1		219	-27.00000	-35.00000	99.75000	0.00000	0.00000	0.01864
1		220	-26.00000	-35.00000	99.75000	0.00000	0.00000	0.01800
1		221	-25.00000	-35.00000	99.75000	0.00000	0.00000	0.01727
1		222	-24.00000	-35.00000	99.75000	0.00000	0.00000	0.01647
1		223	-23.00000	-35.00000	99.75000	0.00000	0.00000	0.01560
1		224	-22.00000	-35.00000	99.75000	0.00000	0.00000	0.01466
1		225	-21.00000	-35.00000	99.75000	0.00000	0.00000	0.01366
1		226	-20.00000	-35.00000	99.75000	0.00000	0.00000	0.01260
1		227	-19.00000	-35.00000	99.75000	0.00000	0.00000	0.01150
1		228	-18.00000	-35.00000	99.75000	0.00000	0.00000	0.01036
1		229	-17.00000	-35.00000	99.75000	0.00000	0.00000	0.00919
1		230	-16.00000	-35.00000	99.75000	0.00000	0.00000	0.00800
1		231	-15.00000	-35.00000	99.75000	0.00000	0.00000	0.00680
1		232	-14.00000	-35.00000	99.75000	0.00000	0.00000	0.00559
1		233	-13.00000	-35.00000	99.75000	0.00000	0.00000	0.00439
1		234	-12.00000	-35.00000	99.75000	0.00000	0.00000	0.00321
1		235	-11.00000	-35.00000	99.75000	0.00000	0.00000	0.00205
1		236	-10.00000	-35.00000	99.75000	0.00000	0.00000	0.00092



9 Lyndhurst Terrace, London
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		237	-9.00000	-35.00000	99.75000	0.00000	0.00000	-0.00017
1		238	-8.00000	-35.00000	99.75000	0.00000	0.00000	-0.00121
1		239	-7.00000	-35.00000	99.75000	0.00000	0.00000	-0.00220
1		240	-6.00000	-35.00000	99.75000	0.00000	0.00000	-0.00313
1		241	-5.00000	-35.00000	99.75000	0.00000	0.00000	-0.00399
1		242	-4.00000	-35.00000	99.75000	0.00000	0.00000	-0.00480
1		243	-3.00000	-35.00000	99.75000	0.00000	0.00000	-0.00553
1		244	-2.00000	-35.00000	99.75000	0.00000	0.00000	-0.00620
1		245	-1.00000	-35.00000	99.75000	0.00000	0.00000	-0.00679
1		246	0.00000	-35.00000	99.75000	0.00000	0.00000	-0.00732
1		247	-40.00000	-34.00000	99.75000	0.00000	0.00000	0.02150
1		248	-39.00000	-34.00000	99.75000	0.00000	0.00000	0.02190
1		249	-38.00000	-34.00000	99.75000	0.00000	0.00000	0.02223
1		250	-37.00000	-34.00000	99.75000	0.00000	0.00000	0.02251
1		251	-36.00000	-34.00000	99.75000	0.00000	0.00000	0.02271
1		252	-35.00000	-34.00000	99.75000	0.00000	0.00000	0.02284
1		253	-34.00000	-34.00000	99.75000	0.00000	0.00000	0.02288
1		254	-33.00000	-34.00000	99.75000	0.00000	0.00000	0.02284
1		255	-32.00000	-34.00000	99.75000	0.00000	0.00000	0.02272
1		256	-31.00000	-34.00000	99.75000	0.00000	0.00000	0.02249
1		257	-30.00000	-34.00000	99.75000	0.00000	0.00000	0.02218
1		258	-29.00000	-34.00000	99.75000	0.00000	0.00000	0.02176
1		259	-28.00000	-34.00000	99.75000	0.00000	0.00000	0.02125
1		260	-27.00000	-34.00000	99.75000	0.00000	0.00000	0.02064
1		261	-26.00000	-34.00000	99.75000	0.00000	0.00000	0.01994



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		262	-25.00000	-34.00000	99.75000	0.00000	0.00000	0.01914
1		263	-24.00000	-34.00000	99.75000	0.00000	0.00000	0.01825
1		264	-23.00000	-34.00000	99.75000	0.00000	0.00000	0.01729
1		265	-22.00000	-34.00000	99.75000	0.00000	0.00000	0.01624
1		266	-21.00000	-34.00000	99.75000	0.00000	0.00000	0.01512
1		267	-20.00000	-34.00000	99.75000	0.00000	0.00000	0.01395
1		268	-19.00000	-34.00000	99.75000	0.00000	0.00000	0.01271
1		269	-18.00000	-34.00000	99.75000	0.00000	0.00000	0.01144
1		270	-17.00000	-34.00000	99.75000	0.00000	0.00000	0.01013
1		271	-16.00000	-34.00000	99.75000	0.00000	0.00000	0.00879
1		272	-15.00000	-34.00000	99.75000	0.00000	0.00000	0.00744
1		273	-14.00000	-34.00000	99.75000	0.00000	0.00000	0.00609
1		274	-13.00000	-34.00000	99.75000	0.00000	0.00000	0.00475
1		275	-12.00000	-34.00000	99.75000	0.00000	0.00000	0.00342
1		276	-11.00000	-34.00000	99.75000	0.00000	0.00000	0.00213
1		277	-10.00000	-34.00000	99.75000	0.00000	0.00000	0.00087
1		278	-9.00000	-34.00000	99.75000	0.00000	0.00000	-0.00034
1		279	-8.00000	-34.00000	99.75000	0.00000	0.00000	-0.00150
1		280	-7.00000	-34.00000	99.75000	0.00000	0.00000	-0.00259
1		281	-6.00000	-34.00000	99.75000	0.00000	0.00000	-0.00362
1		282	-5.00000	-34.00000	99.75000	0.00000	0.00000	-0.00458
1		283	-4.00000	-34.00000	99.75000	0.00000	0.00000	-0.00546
1		284	-3.00000	-34.00000	99.75000	0.00000	0.00000	-0.00627
1		285	-2.00000	-34.00000	99.75000	0.00000	0.00000	-0.00699



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		286	-1.00000	-34.00000	99.75000	0.00000	0.00000	-0.00764
1		287	0.00000	-34.00000	99.75000	0.00000	0.00000	-0.00820
1		288	-40.00000	-33.00000	99.75000	0.00000	0.00000	0.02353
1		289	-39.00000	-33.00000	99.75000	0.00000	0.00000	0.02400
1		290	-38.00000	-33.00000	99.75000	0.00000	0.00000	0.02440
1		291	-37.00000	-33.00000	99.75000	0.00000	0.00000	0.02474
1		292	-36.00000	-33.00000	99.75000	0.00000	0.00000	0.02499
1		293	-35.00000	-33.00000	99.75000	0.00000	0.00000	0.02516
1		294	-34.00000	-33.00000	99.75000	0.00000	0.00000	0.02524
1		295	-33.00000	-33.00000	99.75000	0.00000	0.00000	0.02522
1		296	-32.00000	-33.00000	99.75000	0.00000	0.00000	0.02511
1		297	-31.00000	-33.00000	99.75000	0.00000	0.00000	0.02488
1		298	-30.00000	-33.00000	99.75000	0.00000	0.00000	0.02455
1		299	-29.00000	-33.00000	99.75000	0.00000	0.00000	0.02411
1		300	-28.00000	-33.00000	99.75000	0.00000	0.00000	0.02355
1		301	-27.00000	-33.00000	99.75000	0.00000	0.00000	0.02289
1		302	-26.00000	-33.00000	99.75000	0.00000	0.00000	0.02212
1		303	-25.00000	-33.00000	99.75000	0.00000	0.00000	0.02124
1		304	-24.00000	-33.00000	99.75000	0.00000	0.00000	0.02026
1		305	-23.00000	-33.00000	99.75000	0.00000	0.00000	0.01918
1		306	-22.00000	-33.00000	99.75000	0.00000	0.00000	0.01802
1		307	-21.00000	-33.00000	99.75000	0.00000	0.00000	0.01677
1		308	-20.00000	-33.00000	99.75000	0.00000	0.00000	0.01545
1		309	-19.00000	-33.00000	99.75000	0.00000	0.00000	0.01407
1		310	-18.00000	-33.00000	99.75000	0.00000	0.00000	0.01264



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		311	-17.00000	-33.00000	99.75000	0.00000	0.00000	0.01117
1		312	-16.00000	-33.00000	99.75000	0.00000	0.00000	0.00968
1		313	-15.00000	-33.00000	99.75000	0.00000	0.00000	0.00816
1		314	-14.00000	-33.00000	99.75000	0.00000	0.00000	0.00665
1		315	-13.00000	-33.00000	99.75000	0.00000	0.00000	0.00514
1		316	-12.00000	-33.00000	99.75000	0.00000	0.00000	0.00366
1		317	-11.00000	-33.00000	99.75000	0.00000	0.00000	0.00221
1		318	-10.00000	-33.00000	99.75000	0.00000	0.00000	0.00080
1		319	-9.00000	-33.00000	99.75000	0.00000	0.00000	-0.00055
1		320	-8.00000	-33.00000	99.75000	0.00000	0.00000	-0.00184
1		321	-7.00000	-33.00000	99.75000	0.00000	0.00000	-0.00306
1		322	-6.00000	-33.00000	99.75000	0.00000	0.00000	-0.00420
1		323	-5.00000	-33.00000	99.75000	0.00000	0.00000	-0.00526
1		324	-4.00000	-33.00000	99.75000	0.00000	0.00000	-0.00623
1		325	-3.00000	-33.00000	99.75000	0.00000	0.00000	-0.00711
1		326	-2.00000	-33.00000	99.75000	0.00000	0.00000	-0.00790
1		327	-1.00000	-33.00000	99.75000	0.00000	0.00000	-0.00860
1		328	0.00000	-33.00000	99.75000	0.00000	0.00000	-0.00920
1		329	-40.00000	-32.00000	99.75000	0.00000	0.00000	0.02578
1		330	-39.00000	-32.00000	99.75000	0.00000	0.00000	0.02633
1		331	-38.00000	-32.00000	99.75000	0.00000	0.00000	0.02681
1		332	-37.00000	-32.00000	99.75000	0.00000	0.00000	0.02721
1		333	-36.00000	-32.00000	99.75000	0.00000	0.00000	0.02753
1		334	-35.00000	-32.00000	99.75000	0.00000	0.00000	0.02775



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		335	-34.00000	-32.00000	99.75000	0.00000	0.00000	0.02787
1		336	-33.00000	-32.00000	99.75000	0.00000	0.00000	0.02788
1		337	-32.00000	-32.00000	99.75000	0.00000	0.00000	0.02778
1		338	-31.00000	-32.00000	99.75000	0.00000	0.00000	0.02756
1		339	-30.00000	-32.00000	99.75000	0.00000	0.00000	0.02722
1		340	-29.00000	-32.00000	99.75000	0.00000	0.00000	0.02674
1		341	-28.00000	-32.00000	99.75000	0.00000	0.00000	0.02615
1		342	-27.00000	-32.00000	99.75000	0.00000	0.00000	0.02542
1		343	-26.00000	-32.00000	99.75000	0.00000	0.00000	0.02457
1		344	-25.00000	-32.00000	99.75000	0.00000	0.00000	0.02360
1		345	-24.00000	-32.00000	99.75000	0.00000	0.00000	0.02252
1		346	-23.00000	-32.00000	99.75000	0.00000	0.00000	0.02132
1		347	-22.00000	-32.00000	99.75000	0.00000	0.00000	0.02002
1		348	-21.00000	-32.00000	99.75000	0.00000	0.00000	0.01863
1		349	-20.00000	-32.00000	99.75000	0.00000	0.00000	0.01715
1		350	-19.00000	-32.00000	99.75000	0.00000	0.00000	0.01560
1		351	-18.00000	-32.00000	99.75000	0.00000	0.00000	0.01400
1		352	-17.00000	-32.00000	99.75000	0.00000	0.00000	0.01235
1		353	-16.00000	-32.00000	99.75000	0.00000	0.00000	0.01066
1		354	-15.00000	-32.00000	99.75000	0.00000	0.00000	0.00896
1		355	-14.00000	-32.00000	99.75000	0.00000	0.00000	0.00726
1		356	-13.00000	-32.00000	99.75000	0.00000	0.00000	0.00557
1		357	-12.00000	-32.00000	99.75000	0.00000	0.00000	0.00390
1		358	-11.00000	-32.00000	99.75000	0.00000	0.00000	0.00228
1		359	-10.00000	-32.00000	99.75000	0.00000	0.00000	0.00070



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		360	-9.00000	-32.00000	99.75000	0.00000	0.00000	-0.00081
1		361	-8.00000	-32.00000	99.75000	0.00000	0.00000	-0.00225
1		362	-7.00000	-32.00000	99.75000	0.00000	0.00000	-0.00360
1		363	-6.00000	-32.00000	99.75000	0.00000	0.00000	-0.00487
1		364	-5.00000	-32.00000	99.75000	0.00000	0.00000	-0.00604
1		365	-4.00000	-32.00000	99.75000	0.00000	0.00000	-0.00710
1		366	-3.00000	-32.00000	99.75000	0.00000	0.00000	-0.00807
1		367	-2.00000	-32.00000	99.75000	0.00000	0.00000	-0.00893
1		368	-1.00000	-32.00000	99.75000	0.00000	0.00000	-0.00968
1		369	0.00000	-32.00000	99.75000	0.00000	0.00000	-0.01034
1		370	-40.00000	-31.00000	99.75000	0.00000	0.00000	0.02825
1		371	-39.00000	-31.00000	99.75000	0.00000	0.00000	0.02890
1		372	-38.00000	-31.00000	99.75000	0.00000	0.00000	0.02947
1		373	-37.00000	-31.00000	99.75000	0.00000	0.00000	0.02996
1		374	-36.00000	-31.00000	99.75000	0.00000	0.00000	0.03035
1		375	-35.00000	-31.00000	99.75000	0.00000	0.00000	0.03064
1		376	-34.00000	-31.00000	99.75000	0.00000	0.00000	0.03081
1		377	-33.00000	-31.00000	99.75000	0.00000	0.00000	0.03086
1		378	-32.00000	-31.00000	99.75000	0.00000	0.00000	0.03078
1		379	-31.00000	-31.00000	99.75000	0.00000	0.00000	0.03057
1		380	-30.00000	-31.00000	99.75000	0.00000	0.00000	0.03021
1		381	-29.00000	-31.00000	99.75000	0.00000	0.00000	0.02971
1		382	-28.00000	-31.00000	99.75000	0.00000	0.00000	0.02907
1		383	-27.00000	-31.00000	99.75000	0.00000	0.00000	0.02828



9 Lyndhurst Terrace, London
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		384	-26.00000	-31.00000	99.75000	0.00000	0.00000	0.02735
1		385	-25.00000	-31.00000	99.75000	0.00000	0.00000	0.02627
1		386	-24.00000	-31.00000	99.75000	0.00000	0.00000	0.02507
1		387	-23.00000	-31.00000	99.75000	0.00000	0.00000	0.02373
1		388	-22.00000	-31.00000	99.75000	0.00000	0.00000	0.02228
1		389	-21.00000	-31.00000	99.75000	0.00000	0.00000	0.02072
1		390	-20.00000	-31.00000	99.75000	0.00000	0.00000	0.01907
1		391	-19.00000	-31.00000	99.75000	0.00000	0.00000	0.01733
1		392	-18.00000	-31.00000	99.75000	0.00000	0.00000	0.01553
1		393	-17.00000	-31.00000	99.75000	0.00000	0.00000	0.01367
1		394	-16.00000	-31.00000	99.75000	0.00000	0.00000	0.01177
1		395	-15.00000	-31.00000	99.75000	0.00000	0.00000	0.00986
1		396	-14.00000	-31.00000	99.75000	0.00000	0.00000	0.00794
1		397	-13.00000	-31.00000	99.75000	0.00000	0.00000	0.00604
1		398	-12.00000	-31.00000	99.75000	0.00000	0.00000	0.00416
1		399	-11.00000	-31.00000	99.75000	0.00000	0.00000	0.00234
1		400	-10.00000	-31.00000	99.75000	0.00000	0.00000	0.00057
1		401	-9.00000	-31.00000	99.75000	0.00000	0.00000	-0.00112
1		402	-8.00000	-31.00000	99.75000	0.00000	0.00000	-0.00273
1		403	-7.00000	-31.00000	99.75000	0.00000	0.00000	-0.00424
1		404	-6.00000	-31.00000	99.75000	0.00000	0.00000	-0.00564
1		405	-5.00000	-31.00000	99.75000	0.00000	0.00000	-0.00694
1		406	-4.00000	-31.00000	99.75000	0.00000	0.00000	-0.00811
1		407	-3.00000	-31.00000	99.75000	0.00000	0.00000	-0.00917
1		408	-2.00000	-31.00000	99.75000	0.00000	0.00000	-0.01011



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		409	-1.00000	-31.00000	99.75000	0.00000	0.00000	-0.01092
1		410	0.00000	-31.00000	99.75000	0.00000	0.00000	-0.01162
1		411	-40.00000	-30.00000	99.75000	0.00000	0.00000	0.03098
1		412	-39.00000	-30.00000	99.75000	0.00000	0.00000	0.03175
1		413	-38.00000	-30.00000	99.75000	0.00000	0.00000	0.03243
1		414	-37.00000	-30.00000	99.75000	0.00000	0.00000	0.03302
1		415	-36.00000	-30.00000	99.75000	0.00000	0.00000	0.03350
1		416	-35.00000	-30.00000	99.75000	0.00000	0.00000	0.03387
1		417	-34.00000	-30.00000	99.75000	0.00000	0.00000	0.03411
1		418	-33.00000	-30.00000	99.75000	0.00000	0.00000	0.03421
1		419	-32.00000	-30.00000	99.75000	0.00000	0.00000	0.03416
1		420	-31.00000	-30.00000	99.75000	0.00000	0.00000	0.03396
1		421	-30.00000	-30.00000	99.75000	0.00000	0.00000	0.03359
1		422	-29.00000	-30.00000	99.75000	0.00000	0.00000	0.03306
1		423	-28.00000	-30.00000	99.75000	0.00000	0.00000	0.03237
1		424	-27.00000	-30.00000	99.75000	0.00000	0.00000	0.03151
1		425	-26.00000	-30.00000	99.75000	0.00000	0.00000	0.03049
1		426	-25.00000	-30.00000	99.75000	0.00000	0.00000	0.02930
1		427	-24.00000	-30.00000	99.75000	0.00000	0.00000	0.02796
1		428	-23.00000	-30.00000	99.75000	0.00000	0.00000	0.02647
1		429	-22.00000	-30.00000	99.75000	0.00000	0.00000	0.02485
1		430	-21.00000	-30.00000	99.75000	0.00000	0.00000	0.02310
1		431	-20.00000	-30.00000	99.75000	0.00000	0.00000	0.02124
1		432	-19.00000	-30.00000	99.75000	0.00000	0.00000	0.01929



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		433	-18.00000	-30.00000	99.75000	0.00000	0.00000	0.01725
1		434	-17.00000	-30.00000	99.75000	0.00000	0.00000	0.01516
1		435	-16.00000	-30.00000	99.75000	0.00000	0.00000	0.01302
1		436	-15.00000	-30.00000	99.75000	0.00000	0.00000	0.01086
1		437	-14.00000	-30.00000	99.75000	0.00000	0.00000	0.00869
1		438	-13.00000	-30.00000	99.75000	0.00000	0.00000	0.00655
1		439	-12.00000	-30.00000	99.75000	0.00000	0.00000	0.00444
1		440	-11.00000	-30.00000	99.75000	0.00000	0.00000	0.00238
1		441	-10.00000	-30.00000	99.75000	0.00000	0.00000	0.00039
1		442	-9.00000	-30.00000	99.75000	0.00000	0.00000	-0.00150
1		443	-8.00000	-30.00000	99.75000	0.00000	0.00000	-0.00330
1		444	-7.00000	-30.00000	99.75000	0.00000	0.00000	-0.00499
1		445	-6.00000	-30.00000	99.75000	0.00000	0.00000	-0.00655
1		446	-5.00000	-30.00000	99.75000	0.00000	0.00000	-0.00798
1		447	-4.00000	-30.00000	99.75000	0.00000	0.00000	-0.00927
1		448	-3.00000	-30.00000	99.75000	0.00000	0.00000	-0.01043
1		449	-2.00000	-30.00000	99.75000	0.00000	0.00000	-0.01145
1		450	-1.00000	-30.00000	99.75000	0.00000	0.00000	-0.01233
1		451	0.00000	-30.00000	99.75000	0.00000	0.00000	-0.01308
1		452	-40.00000	-29.00000	99.75000	0.00000	0.00000	0.03400
1		453	-39.00000	-29.00000	99.75000	0.00000	0.00000	0.03490
1		454	-38.00000	-29.00000	99.75000	0.00000	0.00000	0.03572
1		455	-37.00000	-29.00000	99.75000	0.00000	0.00000	0.03643
1		456	-36.00000	-29.00000	99.75000	0.00000	0.00000	0.03702
1		457	-35.00000	-29.00000	99.75000	0.00000	0.00000	0.03748



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		458	-34.00000	-29.00000	99.75000	0.00000	0.00000	0.03780
1		459	-33.00000	-29.00000	99.75000	0.00000	0.00000	0.03796
1		460	-32.00000	-29.00000	99.75000	0.00000	0.00000	0.03796
1		461	-31.00000	-29.00000	99.75000	0.00000	0.00000	0.03778
1		462	-30.00000	-29.00000	99.75000	0.00000	0.00000	0.03741
1		463	-29.00000	-29.00000	99.75000	0.00000	0.00000	0.03686
1		464	-28.00000	-29.00000	99.75000	0.00000	0.00000	0.03611
1		465	-27.00000	-29.00000	99.75000	0.00000	0.00000	0.03517
1		466	-26.00000	-29.00000	99.75000	0.00000	0.00000	0.03405
1		467	-25.00000	-29.00000	99.75000	0.00000	0.00000	0.03273
1		468	-24.00000	-29.00000	99.75000	0.00000	0.00000	0.03124
1		469	-23.00000	-29.00000	99.75000	0.00000	0.00000	0.02958
1		470	-22.00000	-29.00000	99.75000	0.00000	0.00000	0.02776
1		471	-21.00000	-29.00000	99.75000	0.00000	0.00000	0.02580
1		472	-20.00000	-29.00000	99.75000	0.00000	0.00000	0.02371
1		473	-19.00000	-29.00000	99.75000	0.00000	0.00000	0.02150
1		474	-18.00000	-29.00000	99.75000	0.00000	0.00000	0.01921
1		475	-17.00000	-29.00000	99.75000	0.00000	0.00000	0.01684
1		476	-16.00000	-29.00000	99.75000	0.00000	0.00000	0.01442
1		477	-15.00000	-29.00000	99.75000	0.00000	0.00000	0.01198
1		478	-14.00000	-29.00000	99.75000	0.00000	0.00000	0.00953
1		479	-13.00000	-29.00000	99.75000	0.00000	0.00000	0.00711
1		480	-12.00000	-29.00000	99.75000	0.00000	0.00000	0.00472
1		481	-11.00000	-29.00000	99.75000	0.00000	0.00000	0.00240



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		482	-10.00000	-29.00000	99.75000	0.00000	0.00000	0.00017
1		483	-9.00000	-29.00000	99.75000	0.00000	0.00000	-0.00197
1		484	-8.00000	-29.00000	99.75000	0.00000	0.00000	-0.00398
1		485	-7.00000	-29.00000	99.75000	0.00000	0.00000	-0.00586
1		486	-6.00000	-29.00000	99.75000	0.00000	0.00000	-0.00760
1		487	-5.00000	-29.00000	99.75000	0.00000	0.00000	-0.00919
1		488	-4.00000	-29.00000	99.75000	0.00000	0.00000	-0.01061
1		489	-3.00000	-29.00000	99.75000	0.00000	0.00000	-0.01188
1		490	-2.00000	-29.00000	99.75000	0.00000	0.00000	-0.01299
1		491	-1.00000	-29.00000	99.75000	0.00000	0.00000	-0.01394
1		492	0.00000	-29.00000	99.75000	0.00000	0.00000	-0.01473
1		493	-40.00000	-28.00000	99.75000	0.00000	0.00000	0.03734
1		494	-39.00000	-28.00000	99.75000	0.00000	0.00000	0.03841
1		495	-38.00000	-28.00000	99.75000	0.00000	0.00000	0.03938
1		496	-37.00000	-28.00000	99.75000	0.00000	0.00000	0.04023
1		497	-36.00000	-28.00000	99.75000	0.00000	0.00000	0.04096
1		498	-35.00000	-28.00000	99.75000	0.00000	0.00000	0.04154
1		499	-34.00000	-28.00000	99.75000	0.00000	0.00000	0.04196
1		500	-33.00000	-28.00000	99.75000	0.00000	0.00000	0.04220
1		501	-32.00000	-28.00000	99.75000	0.00000	0.00000	0.04225
1		502	-31.00000	-28.00000	99.75000	0.00000	0.00000	0.04210
1		503	-30.00000	-28.00000	99.75000	0.00000	0.00000	0.04173
1		504	-29.00000	-28.00000	99.75000	0.00000	0.00000	0.04116
1		505	-28.00000	-28.00000	99.75000	0.00000	0.00000	0.04036
1		506	-27.00000	-28.00000	99.75000	0.00000	0.00000	0.03934



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		507	-26.00000	-28.00000	99.75000	0.00000	0.00000	0.03810
1		508	-25.00000	-28.00000	99.75000	0.00000	0.00000	0.03665
1		509	-24.00000	-28.00000	99.75000	0.00000	0.00000	0.03499
1		510	-23.00000	-28.00000	99.75000	0.00000	0.00000	0.03313
1		511	-22.00000	-28.00000	99.75000	0.00000	0.00000	0.03109
1		512	-21.00000	-28.00000	99.75000	0.00000	0.00000	0.02888
1		513	-20.00000	-28.00000	99.75000	0.00000	0.00000	0.02652
1		514	-19.00000	-28.00000	99.75000	0.00000	0.00000	0.02403
1		515	-18.00000	-28.00000	99.75000	0.00000	0.00000	0.02143
1		516	-17.00000	-28.00000	99.75000	0.00000	0.00000	0.01875
1		517	-16.00000	-28.00000	99.75000	0.00000	0.00000	0.01602
1		518	-15.00000	-28.00000	99.75000	0.00000	0.00000	0.01325
1		519	-14.00000	-28.00000	99.75000	0.00000	0.00000	0.01047
1		520	-13.00000	-28.00000	99.75000	0.00000	0.00000	0.00772
1		521	-12.00000	-28.00000	99.75000	0.00000	0.00000	0.00502
1		522	-11.00000	-28.00000	99.75000	0.00000	0.00000	0.00240
1		523	-10.00000	-28.00000	99.75000	0.00000	0.00000	-0.00012
1		524	-9.00000	-28.00000	99.75000	0.00000	0.00000	-0.00252
1		525	-8.00000	-28.00000	99.75000	0.00000	0.00000	-0.00479
1		526	-7.00000	-28.00000	99.75000	0.00000	0.00000	-0.00689
1		527	-6.00000	-28.00000	99.75000	0.00000	0.00000	-0.00883
1		528	-5.00000	-28.00000	99.75000	0.00000	0.00000	-0.01059
1		529	-4.00000	-28.00000	99.75000	0.00000	0.00000	-0.01216
1		530	-3.00000	-28.00000	99.75000	0.00000	0.00000	-0.01355



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		531	-2.00000	-28.00000	99.75000	0.00000	0.00000	-0.01475
1		532	-1.00000	-28.00000	99.75000	0.00000	0.00000	-0.01577
1		533	0.00000	-28.00000	99.75000	0.00000	0.00000	-0.01662
1		534	-40.00000	-27.00000	99.75000	0.00000	0.00000	0.04104
1		535	-39.00000	-27.00000	99.75000	0.00000	0.00000	0.04230
1		536	-38.00000	-27.00000	99.75000	0.00000	0.00000	0.04346
1		537	-37.00000	-27.00000	99.75000	0.00000	0.00000	0.04449
1		538	-36.00000	-27.00000	99.75000	0.00000	0.00000	0.04538
1		539	-35.00000	-27.00000	99.75000	0.00000	0.00000	0.04610
1		540	-34.00000	-27.00000	99.75000	0.00000	0.00000	0.04664
1		541	-33.00000	-27.00000	99.75000	0.00000	0.00000	0.04698
1		542	-32.00000	-27.00000	99.75000	0.00000	0.00000	0.04710
1		543	-31.00000	-27.00000	99.75000	0.00000	0.00000	0.04699
1		544	-30.00000	-27.00000	99.75000	0.00000	0.00000	0.04664
1		545	-29.00000	-27.00000	99.75000	0.00000	0.00000	0.04604
1		546	-28.00000	-27.00000	99.75000	0.00000	0.00000	0.04519
1		547	-27.00000	-27.00000	99.75000	0.00000	0.00000	0.04408
1		548	-26.00000	-27.00000	99.75000	0.00000	0.00000	0.04272
1		549	-25.00000	-27.00000	99.75000	0.00000	0.00000	0.04111
1		550	-24.00000	-27.00000	99.75000	0.00000	0.00000	0.03926
1		551	-23.00000	-27.00000	99.75000	0.00000	0.00000	0.03718
1		552	-22.00000	-27.00000	99.75000	0.00000	0.00000	0.03489
1		553	-21.00000	-27.00000	99.75000	0.00000	0.00000	0.03240
1		554	-20.00000	-27.00000	99.75000	0.00000	0.00000	0.02974
1		555	-19.00000	-27.00000	99.75000	0.00000	0.00000	0.02692



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		556	-18.00000	-27.00000	99.75000	0.00000	0.00000	0.02398
1		557	-17.00000	-27.00000	99.75000	0.00000	0.00000	0.02094
1		558	-16.00000	-27.00000	99.75000	0.00000	0.00000	0.01783
1		559	-15.00000	-27.00000	99.75000	0.00000	0.00000	0.01468
1		560	-14.00000	-27.00000	99.75000	0.00000	0.00000	0.01153
1		561	-13.00000	-27.00000	99.75000	0.00000	0.00000	0.00840
1		562	-12.00000	-27.00000	99.75000	0.00000	0.00000	0.00534
1		563	-11.00000	-27.00000	99.75000	0.00000	0.00000	0.00237
1		564	-10.00000	-27.00000	99.75000	0.00000	0.00000	-0.00049
1		565	-9.00000	-27.00000	99.75000	0.00000	0.00000	-0.00320
1		566	-8.00000	-27.00000	99.75000	0.00000	0.00000	-0.00574
1		567	-7.00000	-27.00000	99.75000	0.00000	0.00000	-0.00811
1		568	-6.00000	-27.00000	99.75000	0.00000	0.00000	-0.01027
1		569	-5.00000	-27.00000	99.75000	0.00000	0.00000	-0.01222
1		570	-4.00000	-27.00000	99.75000	0.00000	0.00000	-0.01396
1		571	-3.00000	-27.00000	99.75000	0.00000	0.00000	-0.01548
1		572	-2.00000	-27.00000	99.75000	0.00000	0.00000	-0.01678
1		573	-1.00000	-27.00000	99.75000	0.00000	0.00000	-0.01787
1		574	0.00000	-27.00000	99.75000	0.00000	0.00000	-0.01876
1		575	-40.00000	-26.00000	99.75000	0.00000	0.00000	0.04514
1		576	-39.00000	-26.00000	99.75000	0.00000	0.00000	0.04663
1		577	-38.00000	-26.00000	99.75000	0.00000	0.00000	0.04801
1		578	-37.00000	-26.00000	99.75000	0.00000	0.00000	0.04926
1		579	-36.00000	-26.00000	99.75000	0.00000	0.00000	0.05034



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		580	-35.00000	-26.00000	99.75000	0.00000	0.00000	0.05124
1		581	-34.00000	-26.00000	99.75000	0.00000	0.00000	0.05193
1		582	-33.00000	-26.00000	99.75000	0.00000	0.00000	0.05240
1		583	-32.00000	-26.00000	99.75000	0.00000	0.00000	0.05261
1		584	-31.00000	-26.00000	99.75000	0.00000	0.00000	0.05256
1		585	-30.00000	-26.00000	99.75000	0.00000	0.00000	0.05224
1		586	-29.00000	-26.00000	99.75000	0.00000	0.00000	0.05162
1		587	-28.00000	-26.00000	99.75000	0.00000	0.00000	0.05071
1		588	-27.00000	-26.00000	99.75000	0.00000	0.00000	0.04951
1		589	-26.00000	-26.00000	99.75000	0.00000	0.00000	0.04801
1		590	-25.00000	-26.00000	99.75000	0.00000	0.00000	0.04623
1		591	-24.00000	-26.00000	99.75000	0.00000	0.00000	0.04417
1		592	-23.00000	-26.00000	99.75000	0.00000	0.00000	0.04184
1		593	-22.00000	-26.00000	99.75000	0.00000	0.00000	0.03926
1		594	-21.00000	-26.00000	99.75000	0.00000	0.00000	0.03645
1		595	-20.00000	-26.00000	99.75000	0.00000	0.00000	0.03343
1		596	-19.00000	-26.00000	99.75000	0.00000	0.00000	0.03024
1		597	-18.00000	-26.00000	99.75000	0.00000	0.00000	0.02689
1		598	-17.00000	-26.00000	99.75000	0.00000	0.00000	0.02343
1		599	-16.00000	-26.00000	99.75000	0.00000	0.00000	0.01989
1		600	-15.00000	-26.00000	99.75000	0.00000	0.00000	0.01631
1		601	-14.00000	-26.00000	99.75000	0.00000	0.00000	0.01272
1		602	-13.00000	-26.00000	99.75000	0.00000	0.00000	0.00916
1		603	-12.00000	-26.00000	99.75000	0.00000	0.00000	0.00567
1		604	-11.00000	-26.00000	99.75000	0.00000	0.00000	0.00229



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		605	-10.00000	-26.00000	99.75000	0.00000	0.00000	-0.00095
1		606	-9.00000	-26.00000	99.75000	0.00000	0.00000	-0.00401
1		607	-8.00000	-26.00000	99.75000	0.00000	0.00000	-0.00688
1		608	-7.00000	-26.00000	99.75000	0.00000	0.00000	-0.00954
1		609	-6.00000	-26.00000	99.75000	0.00000	0.00000	-0.01195
1		610	-5.00000	-26.00000	99.75000	0.00000	0.00000	-0.01412
1		611	-4.00000	-26.00000	99.75000	0.00000	0.00000	-0.01604
1		612	-3.00000	-26.00000	99.75000	0.00000	0.00000	-0.01770
1		613	-2.00000	-26.00000	99.75000	0.00000	0.00000	-0.01911
1		614	-1.00000	-26.00000	99.75000	0.00000	0.00000	-0.02028
1		615	0.00000	-26.00000	99.75000	0.00000	0.00000	-0.02121
1		616	-40.00000	-25.00000	99.75000	0.00000	0.00000	0.04970
1		617	-39.00000	-25.00000	99.75000	0.00000	0.00000	0.05146
1		618	-38.00000	-25.00000	99.75000	0.00000	0.00000	0.05311
1		619	-37.00000	-25.00000	99.75000	0.00000	0.00000	0.05461
1		620	-36.00000	-25.00000	99.75000	0.00000	0.00000	0.05593
1		621	-35.00000	-25.00000	99.75000	0.00000	0.00000	0.05704
1		622	-34.00000	-25.00000	99.75000	0.00000	0.00000	0.05793
1		623	-33.00000	-25.00000	99.75000	0.00000	0.00000	0.05855
1		624	-32.00000	-25.00000	99.75000	0.00000	0.00000	0.05888
1		625	-31.00000	-25.00000	99.75000	0.00000	0.00000	0.05891
1		626	-30.00000	-25.00000	99.75000	0.00000	0.00000	0.05862
1		627	-29.00000	-25.00000	99.75000	0.00000	0.00000	0.05800
1		628	-28.00000	-25.00000	99.75000	0.00000	0.00000	0.05704



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		629	-27.00000	-25.00000	99.75000	0.00000	0.00000	0.05574
1		630	-26.00000	-25.00000	99.75000	0.00000	0.00000	0.05409
1		631	-25.00000	-25.00000	99.75000	0.00000	0.00000	0.05211
1		632	-24.00000	-25.00000	99.75000	0.00000	0.00000	0.04980
1		633	-23.00000	-25.00000	99.75000	0.00000	0.00000	0.04719
1		634	-22.00000	-25.00000	99.75000	0.00000	0.00000	0.04428
1		635	-21.00000	-25.00000	99.75000	0.00000	0.00000	0.04111
1		636	-20.00000	-25.00000	99.75000	0.00000	0.00000	0.03769
1		637	-19.00000	-25.00000	99.75000	0.00000	0.00000	0.03406
1		638	-18.00000	-25.00000	99.75000	0.00000	0.00000	0.03025
1		639	-17.00000	-25.00000	99.75000	0.00000	0.00000	0.02630
1		640	-16.00000	-25.00000	99.75000	0.00000	0.00000	0.02226
1		641	-15.00000	-25.00000	99.75000	0.00000	0.00000	0.01817
1		642	-14.00000	-25.00000	99.75000	0.00000	0.00000	0.01406
1		643	-13.00000	-25.00000	99.75000	0.00000	0.00000	0.01000
1		644	-12.00000	-25.00000	99.75000	0.00000	0.00000	0.00602
1		645	-11.00000	-25.00000	99.75000	0.00000	0.00000	0.00217
1		646	-10.00000	-25.00000	99.75000	0.00000	0.00000	-0.00152
1		647	-9.00000	-25.00000	99.75000	0.00000	0.00000	-0.00500
1		648	-8.00000	-25.00000	99.75000	0.00000	0.00000	-0.00824
1		649	-7.00000	-25.00000	99.75000	0.00000	0.00000	-0.01123
1		650	-6.00000	-25.00000	99.75000	0.00000	0.00000	-0.01393
1		651	-5.00000	-25.00000	99.75000	0.00000	0.00000	-0.01635
1		652	-4.00000	-25.00000	99.75000	0.00000	0.00000	-0.01846
1		653	-3.00000	-25.00000	99.75000	0.00000	0.00000	-0.02028



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		654	-2.00000	-25.00000	99.75000	0.00000	0.00000	-0.02180
1		655	-1.00000	-25.00000	99.75000	0.00000	0.00000	-0.02304
1		656	0.00000	-25.00000	99.75000	0.00000	0.00000	-0.02401
1		657	-40.00000	-24.00000	99.75000	0.00000	0.00000	0.05476
1		658	-39.00000	-24.00000	99.75000	0.00000	0.00000	0.05685
1		659	-38.00000	-24.00000	99.75000	0.00000	0.00000	0.05882
1		660	-37.00000	-24.00000	99.75000	0.00000	0.00000	0.06062
1		661	-36.00000	-24.00000	99.75000	0.00000	0.00000	0.06224
1		662	-35.00000	-24.00000	99.75000	0.00000	0.00000	0.06362
1		663	-34.00000	-24.00000	99.75000	0.00000	0.00000	0.06473
1		664	-33.00000	-24.00000	99.75000	0.00000	0.00000	0.06555
1		665	-32.00000	-24.00000	99.75000	0.00000	0.00000	0.06604
1		666	-31.00000	-24.00000	99.75000	0.00000	0.00000	0.06618
1		667	-30.00000	-24.00000	99.75000	0.00000	0.00000	0.06595
1		668	-29.00000	-24.00000	99.75000	0.00000	0.00000	0.06533
1		669	-28.00000	-24.00000	99.75000	0.00000	0.00000	0.06431
1		670	-27.00000	-24.00000	99.75000	0.00000	0.00000	0.06290
1		671	-26.00000	-24.00000	99.75000	0.00000	0.00000	0.06109
1		672	-25.00000	-24.00000	99.75000	0.00000	0.00000	0.05889
1		673	-24.00000	-24.00000	99.75000	0.00000	0.00000	0.05632
1		674	-23.00000	-24.00000	99.75000	0.00000	0.00000	0.05338
1		675	-22.00000	-24.00000	99.75000	0.00000	0.00000	0.05010
1		676	-21.00000	-24.00000	99.75000	0.00000	0.00000	0.04650
1		677	-20.00000	-24.00000	99.75000	0.00000	0.00000	0.04261



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		678	-19.00000	-24.00000	99.75000	0.00000	0.00000	0.03848
1		679	-18.00000	-24.00000	99.75000	0.00000	0.00000	0.03413
1		680	-17.00000	-24.00000	99.75000	0.00000	0.00000	0.02962
1		681	-16.00000	-24.00000	99.75000	0.00000	0.00000	0.02499
1		682	-15.00000	-24.00000	99.75000	0.00000	0.00000	0.02030
1		683	-14.00000	-24.00000	99.75000	0.00000	0.00000	0.01560
1		684	-13.00000	-24.00000	99.75000	0.00000	0.00000	0.01094
1		685	-12.00000	-24.00000	99.75000	0.00000	0.00000	0.00638
1		686	-11.00000	-24.00000	99.75000	0.00000	0.00000	0.00198
1		687	-10.00000	-24.00000	99.75000	0.00000	0.00000	-0.00223
1		688	-9.00000	-24.00000	99.75000	0.00000	0.00000	-0.00619
1		689	-8.00000	-24.00000	99.75000	0.00000	0.00000	-0.00987
1		690	-7.00000	-24.00000	99.75000	0.00000	0.00000	-0.01323
1		691	-6.00000	-24.00000	99.75000	0.00000	0.00000	-0.01627
1		692	-5.00000	-24.00000	99.75000	0.00000	0.00000	-0.01895
1		693	-4.00000	-24.00000	99.75000	0.00000	0.00000	-0.02129
1		694	-3.00000	-24.00000	99.75000	0.00000	0.00000	-0.02327
1		695	-2.00000	-24.00000	99.75000	0.00000	0.00000	-0.02491
1		696	-1.00000	-24.00000	99.75000	0.00000	0.00000	-0.02621
1		697	0.00000	-24.00000	99.75000	0.00000	0.00000	-0.02721
1		698	-40.00000	-23.00000	99.75000	0.00000	0.00000	0.06039
1		699	-39.00000	-23.00000	99.75000	0.00000	0.00000	0.06287
1		700	-38.00000	-23.00000	99.75000	0.00000	0.00000	0.06523
1		701	-37.00000	-23.00000	99.75000	0.00000	0.00000	0.06741
1		702	-36.00000	-23.00000	99.75000	0.00000	0.00000	0.06938



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		703	-35.00000	-23.00000	99.75000	0.00000	0.00000	0.07109
1		704	-34.00000	-23.00000	99.75000	0.00000	0.00000	0.07249
1		705	-33.00000	-23.00000	99.75000	0.00000	0.00000	0.07356
1		706	-32.00000	-23.00000	99.75000	0.00000	0.00000	0.07424
1		707	-31.00000	-23.00000	99.75000	0.00000	0.00000	0.07452
1		708	-30.00000	-23.00000	99.75000	0.00000	0.00000	0.07437
1		709	-29.00000	-23.00000	99.75000	0.00000	0.00000	0.07377
1		710	-28.00000	-23.00000	99.75000	0.00000	0.00000	0.07270
1		711	-27.00000	-23.00000	99.75000	0.00000	0.00000	0.07118
1		712	-26.00000	-23.00000	99.75000	0.00000	0.00000	0.06919
1		713	-25.00000	-23.00000	99.75000	0.00000	0.00000	0.06675
1		714	-24.00000	-23.00000	99.75000	0.00000	0.00000	0.06386
1		715	-23.00000	-23.00000	99.75000	0.00000	0.00000	0.06055
1		716	-22.00000	-23.00000	99.75000	0.00000	0.00000	0.05685
1		717	-21.00000	-23.00000	99.75000	0.00000	0.00000	0.05276
1		718	-20.00000	-23.00000	99.75000	0.00000	0.00000	0.04834
1		719	-19.00000	-23.00000	99.75000	0.00000	0.00000	0.04362
1		720	-18.00000	-23.00000	99.75000	0.00000	0.00000	0.03865
1		721	-17.00000	-23.00000	99.75000	0.00000	0.00000	0.03348
1		722	-16.00000	-23.00000	99.75000	0.00000	0.00000	0.02817
1		723	-15.00000	-23.00000	99.75000	0.00000	0.00000	0.02277
1		724	-14.00000	-23.00000	99.75000	0.00000	0.00000	0.01736
1		725	-13.00000	-23.00000	99.75000	0.00000	0.00000	0.01200
1		726	-12.00000	-23.00000	99.75000	0.00000	0.00000	0.00677



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		727	-11.00000	-23.00000	99.75000	0.00000	0.00000	0.00171
1		728	-10.00000	-23.00000	99.75000	0.00000	0.00000	-0.00311
1		729	-9.00000	-23.00000	99.75000	0.00000	0.00000	-0.00763
1		730	-8.00000	-23.00000	99.75000	0.00000	0.00000	-0.01181
1		731	-7.00000	-23.00000	99.75000	0.00000	0.00000	-0.01562
1		732	-6.00000	-23.00000	99.75000	0.00000	0.00000	-0.01902
1		733	-5.00000	-23.00000	99.75000	0.00000	0.00000	-0.02202
1		734	-4.00000	-23.00000	99.75000	0.00000	0.00000	-0.02459
1		735	-3.00000	-23.00000	99.75000	0.00000	0.00000	-0.02675
1		736	-2.00000	-23.00000	99.75000	0.00000	0.00000	-0.02850
1		737	-1.00000	-23.00000	99.75000	0.00000	0.00000	-0.02987
1		738	0.00000	-23.00000	99.75000	0.00000	0.00000	-0.03088
1		739	-40.00000	-22.00000	99.75000	0.00000	0.00000	0.06667
1		740	-39.00000	-22.00000	99.75000	0.00000	0.00000	0.06962
1		741	-38.00000	-22.00000	99.75000	0.00000	0.00000	0.07244
1		742	-37.00000	-22.00000	99.75000	0.00000	0.00000	0.07508
1		743	-36.00000	-22.00000	99.75000	0.00000	0.00000	0.07748
1		744	-35.00000	-22.00000	99.75000	0.00000	0.00000	0.07960
1		745	-34.00000	-22.00000	99.75000	0.00000	0.00000	0.08137
1		746	-33.00000	-22.00000	99.75000	0.00000	0.00000	0.08274
1		747	-32.00000	-22.00000	99.75000	0.00000	0.00000	0.08368
1		748	-31.00000	-22.00000	99.75000	0.00000	0.00000	0.08414
1		749	-30.00000	-22.00000	99.75000	0.00000	0.00000	0.08410
1		750	-29.00000	-22.00000	99.75000	0.00000	0.00000	0.08353
1		751	-28.00000	-22.00000	99.75000	0.00000	0.00000	0.08243



9 Lyndhurst Terrace, London
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		752	-27.00000	-22.00000	99.75000	0.00000	0.00000	0.08078
1		753	-26.00000	-22.00000	99.75000	0.00000	0.00000	0.07859
1		754	-25.00000	-22.00000	99.75000	0.00000	0.00000	0.07588
1		755	-24.00000	-22.00000	99.75000	0.00000	0.00000	0.07265
1		756	-23.00000	-22.00000	99.75000	0.00000	0.00000	0.06892
1		757	-22.00000	-22.00000	99.75000	0.00000	0.00000	0.06472
1		758	-21.00000	-22.00000	99.75000	0.00000	0.00000	0.06008
1		759	-20.00000	-22.00000	99.75000	0.00000	0.00000	0.05504
1		760	-19.00000	-22.00000	99.75000	0.00000	0.00000	0.04964
1		761	-18.00000	-22.00000	99.75000	0.00000	0.00000	0.04394
1		762	-17.00000	-22.00000	99.75000	0.00000	0.00000	0.03799
1		763	-16.00000	-22.00000	99.75000	0.00000	0.00000	0.03187
1		764	-15.00000	-22.00000	99.75000	0.00000	0.00000	0.02564
1		765	-14.00000	-22.00000	99.75000	0.00000	0.00000	0.01940
1		766	-13.00000	-22.00000	99.75000	0.00000	0.00000	0.01321
1		767	-12.00000	-22.00000	99.75000	0.00000	0.00000	0.00717
1		768	-11.00000	-22.00000	99.75000	0.00000	0.00000	0.00134
1		769	-10.00000	-22.00000	99.75000	0.00000	0.00000	-0.00419
1		770	-9.00000	-22.00000	99.75000	0.00000	0.00000	-0.00937
1		771	-8.00000	-22.00000	99.75000	0.00000	0.00000	-0.01414
1		772	-7.00000	-22.00000	99.75000	0.00000	0.00000	-0.01845
1		773	-6.00000	-22.00000	99.75000	0.00000	0.00000	-0.02229
1		774	-5.00000	-22.00000	99.75000	0.00000	0.00000	-0.02563
1		775	-4.00000	-22.00000	99.75000	0.00000	0.00000	-0.02847



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		776	-3.00000	-22.00000	99.75000	0.00000	0.00000	-0.03081
1		777	-2.00000	-22.00000	99.75000	0.00000	0.00000	-0.03268
1		778	-1.00000	-22.00000	99.75000	0.00000	0.00000	-0.03410
1		779	0.00000	-22.00000	99.75000	0.00000	0.00000	-0.03510
1		780	-40.00000	-21.00000	99.75000	0.00000	0.00000	0.07366
1		781	-39.00000	-21.00000	99.75000	0.00000	0.00000	0.07718
1		782	-38.00000	-21.00000	99.75000	0.00000	0.00000	0.08057
1		783	-37.00000	-21.00000	99.75000	0.00000	0.00000	0.08377
1		784	-36.00000	-21.00000	99.75000	0.00000	0.00000	0.08672
1		785	-35.00000	-21.00000	99.75000	0.00000	0.00000	0.08933
1		786	-34.00000	-21.00000	99.75000	0.00000	0.00000	0.09156
1		787	-33.00000	-21.00000	99.75000	0.00000	0.00000	0.09332
1		788	-32.00000	-21.00000	99.75000	0.00000	0.00000	0.09458
1		789	-31.00000	-21.00000	99.75000	0.00000	0.00000	0.09528
1		790	-30.00000	-21.00000	99.75000	0.00000	0.00000	0.09539
1		791	-29.00000	-21.00000	99.75000	0.00000	0.00000	0.09488
1		792	-28.00000	-21.00000	99.75000	0.00000	0.00000	0.09374
1		793	-27.00000	-21.00000	99.75000	0.00000	0.00000	0.09196
1		794	-26.00000	-21.00000	99.75000	0.00000	0.00000	0.08956
1		795	-25.00000	-21.00000	99.75000	0.00000	0.00000	0.08654
1		796	-24.00000	-21.00000	99.75000	0.00000	0.00000	0.08291
1		797	-23.00000	-21.00000	99.75000	0.00000	0.00000	0.07871
1		798	-22.00000	-21.00000	99.75000	0.00000	0.00000	0.07395
1		799	-21.00000	-21.00000	99.75000	0.00000	0.00000	0.06867
1		800	-20.00000	-21.00000	99.75000	0.00000	0.00000	0.06291



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		801	-19.00000	-21.00000	99.75000	0.00000	0.00000	0.05672
1		802	-18.00000	-21.00000	99.75000	0.00000	0.00000	0.05016
1		803	-17.00000	-21.00000	99.75000	0.00000	0.00000	0.04330
1		804	-16.00000	-21.00000	99.75000	0.00000	0.00000	0.03622
1		805	-15.00000	-21.00000	99.75000	0.00000	0.00000	0.02902
1		806	-14.00000	-21.00000	99.75000	0.00000	0.00000	0.02178
1		807	-13.00000	-21.00000	99.75000	0.00000	0.00000	0.01460
1		808	-12.00000	-21.00000	99.75000	0.00000	0.00000	0.00760
1		809	-11.00000	-21.00000	99.75000	0.00000	0.00000	0.00086
1		810	-10.00000	-21.00000	99.75000	0.00000	0.00000	-0.00553
1		811	-9.00000	-21.00000	99.75000	0.00000	0.00000	-0.01148
1		812	-8.00000	-21.00000	99.75000	0.00000	0.00000	-0.01694
1		813	-7.00000	-21.00000	99.75000	0.00000	0.00000	-0.02185
1		814	-6.00000	-21.00000	99.75000	0.00000	0.00000	-0.02618
1		815	-5.00000	-21.00000	99.75000	0.00000	0.00000	-0.02990
1		816	-4.00000	-21.00000	99.75000	0.00000	0.00000	-0.03303
1		817	-3.00000	-21.00000	99.75000	0.00000	0.00000	-0.03557
1		818	-2.00000	-21.00000	99.75000	0.00000	0.00000	-0.03754
1		819	-1.00000	-21.00000	99.75000	0.00000	0.00000	-0.03899
1		820	0.00000	-21.00000	99.75000	0.00000	0.00000	-0.03996
1		821	-40.00000	-20.00000	99.75000	0.00000	0.00000	0.08147
1		822	-39.00000	-20.00000	99.75000	0.00000	0.00000	0.08568
1		823	-38.00000	-20.00000	99.75000	0.00000	0.00000	0.08976
1		824	-37.00000	-20.00000	99.75000	0.00000	0.00000	0.09366



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		825	-36.00000	-20.00000	99.75000	0.00000	0.00000	0.09727
1		826	-35.00000	-20.00000	99.75000	0.00000	0.00000	0.10051
1		827	-34.00000	-20.00000	99.75000	0.00000	0.00000	0.10331
1		828	-33.00000	-20.00000	99.75000	0.00000	0.00000	0.10557
1		829	-32.00000	-20.00000	99.75000	0.00000	0.00000	0.10723
1		830	-31.00000	-20.00000	99.75000	0.00000	0.00000	0.10824
1		831	-30.00000	-20.00000	99.75000	0.00000	0.00000	0.10854
1		832	-29.00000	-20.00000	99.75000	0.00000	0.00000	0.10812
1		833	-28.00000	-20.00000	99.75000	0.00000	0.00000	0.10695
1		834	-27.00000	-20.00000	99.75000	0.00000	0.00000	0.10504
1		835	-26.00000	-20.00000	99.75000	0.00000	0.00000	0.10240
1		836	-25.00000	-20.00000	99.75000	0.00000	0.00000	0.09904
1		837	-24.00000	-20.00000	99.75000	0.00000	0.00000	0.09497
1		838	-23.00000	-20.00000	99.75000	0.00000	0.00000	0.09022
1		839	-22.00000	-20.00000	99.75000	0.00000	0.00000	0.08482
1		840	-21.00000	-20.00000	99.75000	0.00000	0.00000	0.07881
1		841	-20.00000	-20.00000	99.75000	0.00000	0.00000	0.07221
1		842	-19.00000	-20.00000	99.75000	0.00000	0.00000	0.06510
1		843	-18.00000	-20.00000	99.75000	0.00000	0.00000	0.05754
1		844	-17.00000	-20.00000	99.75000	0.00000	0.00000	0.04960
1		845	-16.00000	-20.00000	99.75000	0.00000	0.00000	0.04139
1		846	-15.00000	-20.00000	99.75000	0.00000	0.00000	0.03301
1		847	-14.00000	-20.00000	99.75000	0.00000	0.00000	0.02458
1		848	-13.00000	-20.00000	99.75000	0.00000	0.00000	0.01622
1		849	-12.00000	-20.00000	99.75000	0.00000	0.00000	0.00806



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		850	-11.00000	-20.00000	99.75000	0.00000	0.00000	0.00023
1		851	-10.00000	-20.00000	99.75000	0.00000	0.00000	-0.00718
1		852	-9.00000	-20.00000	99.75000	0.00000	0.00000	-0.01406
1		853	-8.00000	-20.00000	99.75000	0.00000	0.00000	-0.02033
1		854	-7.00000	-20.00000	99.75000	0.00000	0.00000	-0.02592
1		855	-6.00000	-20.00000	99.75000	0.00000	0.00000	-0.03081
1		856	-5.00000	-20.00000	99.75000	0.00000	0.00000	-0.03498
1		857	-4.00000	-20.00000	99.75000	0.00000	0.00000	-0.03841
1		858	-3.00000	-20.00000	99.75000	0.00000	0.00000	-0.04115
1		859	-2.00000	-20.00000	99.75000	0.00000	0.00000	-0.04322
1		860	-1.00000	-20.00000	99.75000	0.00000	0.00000	-0.04467
1		861	0.00000	-20.00000	99.75000	0.00000	0.00000	-0.04556
1		862	-40.00000	-19.00000	99.75000	0.00000	0.00000	0.09020
1		863	-39.00000	-19.00000	99.75000	0.00000	0.00000	0.09524
1		864	-38.00000	-19.00000	99.75000	0.00000	0.00000	0.10018
1		865	-37.00000	-19.00000	99.75000	0.00000	0.00000	0.10493
1		866	-36.00000	-19.00000	99.75000	0.00000	0.00000	0.10937
1		867	-35.00000	-19.00000	99.75000	0.00000	0.00000	0.11341
1		868	-34.00000	-19.00000	99.75000	0.00000	0.00000	0.11693
1		869	-33.00000	-19.00000	99.75000	0.00000	0.00000	0.11982
1		870	-32.00000	-19.00000	99.75000	0.00000	0.00000	0.12200
1		871	-31.00000	-19.00000	99.75000	0.00000	0.00000	0.12340
1		872	-30.00000	-19.00000	99.75000	0.00000	0.00000	0.12396
1		873	-29.00000	-19.00000	99.75000	0.00000	0.00000	0.12366



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		874	-28.00000	-19.00000	99.75000	0.00000	0.00000	0.12248
1		875	-27.00000	-19.00000	99.75000	0.00000	0.00000	0.12043
1		876	-26.00000	-19.00000	99.75000	0.00000	0.00000	0.11752
1		877	-25.00000	-19.00000	99.75000	0.00000	0.00000	0.11377
1		878	-24.00000	-19.00000	99.75000	0.00000	0.00000	0.10920
1		879	-23.00000	-19.00000	99.75000	0.00000	0.00000	0.10383
1		880	-22.00000	-19.00000	99.75000	0.00000	0.00000	0.09771
1		881	-21.00000	-19.00000	99.75000	0.00000	0.00000	0.09084
1		882	-20.00000	-19.00000	99.75000	0.00000	0.00000	0.08329
1		883	-19.00000	-19.00000	99.75000	0.00000	0.00000	0.07510
1		884	-18.00000	-19.00000	99.75000	0.00000	0.00000	0.06635
1		885	-17.00000	-19.00000	99.75000	0.00000	0.00000	0.05713
1		886	-16.00000	-19.00000	99.75000	0.00000	0.00000	0.04756
1		887	-15.00000	-19.00000	99.75000	0.00000	0.00000	0.03777
1		888	-14.00000	-19.00000	99.75000	0.00000	0.00000	0.02791
1		889	-13.00000	-19.00000	99.75000	0.00000	0.00000	0.01812
1		890	-12.00000	-19.00000	99.75000	0.00000	0.00000	0.00858
1		891	-11.00000	-19.00000	99.75000	0.00000	0.00000	-0.00059
1		892	-10.00000	-19.00000	99.75000	0.00000	0.00000	-0.00922
1		893	-9.00000	-19.00000	99.75000	0.00000	0.00000	-0.01720
1		894	-8.00000	-19.00000	99.75000	0.00000	0.00000	-0.02443
1		895	-7.00000	-19.00000	99.75000	0.00000	0.00000	-0.03084
1		896	-6.00000	-19.00000	99.75000	0.00000	0.00000	-0.03638
1		897	-5.00000	-19.00000	99.75000	0.00000	0.00000	-0.04103
1		898	-4.00000	-19.00000	99.75000	0.00000	0.00000	-0.04480



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		899	-3.00000	-19.00000	99.75000	0.00000	0.00000	-0.04773
1		900	-2.00000	-19.00000	99.75000	0.00000	0.00000	-0.04987
1		901	-1.00000	-19.00000	99.75000	0.00000	0.00000	-0.05128
1		902	0.00000	-19.00000	99.75000	0.00000	0.00000	-0.05203
1		903	-40.00000	-18.00000	99.75000	0.00000	0.00000	0.09997
1		904	-39.00000	-18.00000	99.75000	0.00000	0.00000	0.10602
1		905	-38.00000	-18.00000	99.75000	0.00000	0.00000	0.11201
1		906	-37.00000	-18.00000	99.75000	0.00000	0.00000	0.11783
1		907	-36.00000	-18.00000	99.75000	0.00000	0.00000	0.12332
1		908	-35.00000	-18.00000	99.75000	0.00000	0.00000	0.12836
1		909	-34.00000	-18.00000	99.75000	0.00000	0.00000	0.13280
1		910	-33.00000	-18.00000	99.75000	0.00000	0.00000	0.13650
1		911	-32.00000	-18.00000	99.75000	0.00000	0.00000	0.13935
1		912	-31.00000	-18.00000	99.75000	0.00000	0.00000	0.14125
1		913	-30.00000	-18.00000	99.75000	0.00000	0.00000	0.14215
1		914	-29.00000	-18.00000	99.75000	0.00000	0.00000	0.14201
1		915	-28.00000	-18.00000	99.75000	0.00000	0.00000	0.14083
1		916	-27.00000	-18.00000	99.75000	0.00000	0.00000	0.13861
1		917	-26.00000	-18.00000	99.75000	0.00000	0.00000	0.13540
1		918	-25.00000	-18.00000	99.75000	0.00000	0.00000	0.13121
1		919	-24.00000	-18.00000	99.75000	0.00000	0.00000	0.12608
1		920	-23.00000	-18.00000	99.75000	0.00000	0.00000	0.12002
1		921	-22.00000	-18.00000	99.75000	0.00000	0.00000	0.11306
1		922	-21.00000	-18.00000	99.75000	0.00000	0.00000	0.10523



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		923	-20.00000	-18.00000	99.75000	0.00000	0.00000	0.09656
1		924	-19.00000	-18.00000	99.75000	0.00000	0.00000	0.08712
1		925	-18.00000	-18.00000	99.75000	0.00000	0.00000	0.07697
1		926	-17.00000	-18.00000	99.75000	0.00000	0.00000	0.06623
1		927	-16.00000	-18.00000	99.75000	0.00000	0.00000	0.05503
1		928	-15.00000	-18.00000	99.75000	0.00000	0.00000	0.04354
1		929	-14.00000	-18.00000	99.75000	0.00000	0.00000	0.03193
1		930	-13.00000	-18.00000	99.75000	0.00000	0.00000	0.02040
1		931	-12.00000	-18.00000	99.75000	0.00000	0.00000	0.00916
1		932	-11.00000	-18.00000	99.75000	0.00000	0.00000	-0.00162
1		933	-10.00000	-18.00000	99.75000	0.00000	0.00000	-0.01174
1		934	-9.00000	-18.00000	99.75000	0.00000	0.00000	-0.02105
1		935	-8.00000	-18.00000	99.75000	0.00000	0.00000	-0.02943
1		936	-7.00000	-18.00000	99.75000	0.00000	0.00000	-0.03679
1		937	-6.00000	-18.00000	99.75000	0.00000	0.00000	-0.04308
1		938	-5.00000	-18.00000	99.75000	0.00000	0.00000	-0.04827
1		939	-4.00000	-18.00000	99.75000	0.00000	0.00000	-0.05240
1		940	-3.00000	-18.00000	99.75000	0.00000	0.00000	-0.05551
1		941	-2.00000	-18.00000	99.75000	0.00000	0.00000	-0.05767
1		942	-1.00000	-18.00000	99.75000	0.00000	0.00000	-0.05898
1		943	0.00000	-18.00000	99.75000	0.00000	0.00000	-0.05953
1		944	-40.00000	-17.00000	99.75000	0.00000	0.00000	0.11089
1		945	-39.00000	-17.00000	99.75000	0.00000	0.00000	0.11819
1		946	-38.00000	-17.00000	99.75000	0.00000	0.00000	0.12549
1		947	-37.00000	-17.00000	99.75000	0.00000	0.00000	0.13265



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		948	-36.00000	-17.00000	99.75000	0.00000	0.00000	0.13948
1		949	-35.00000	-17.00000	99.75000	0.00000	0.00000	0.14581
1		950	-34.00000	-17.00000	99.75000	0.00000	0.00000	0.15143
1		951	-33.00000	-17.00000	99.75000	0.00000	0.00000	0.15617
1		952	-32.00000	-17.00000	99.75000	0.00000	0.00000	0.15988
1		953	-31.00000	-17.00000	99.75000	0.00000	0.00000	0.16243
1		954	-30.00000	-17.00000	99.75000	0.00000	0.00000	0.16375
1		955	-29.00000	-17.00000	99.75000	0.00000	0.00000	0.16381
1		956	-28.00000	-17.00000	99.75000	0.00000	0.00000	0.16263
1		957	-27.00000	-17.00000	99.75000	0.00000	0.00000	0.16024
1		958	-26.00000	-17.00000	99.75000	0.00000	0.00000	0.15667
1		959	-25.00000	-17.00000	99.75000	0.00000	0.00000	0.15199
1		960	-24.00000	-17.00000	99.75000	0.00000	0.00000	0.14622
1		961	-23.00000	-17.00000	99.75000	0.00000	0.00000	0.13938
1		962	-22.00000	-17.00000	99.75000	0.00000	0.00000	0.13149
1		963	-21.00000	-17.00000	99.75000	0.00000	0.00000	0.12255
1		964	-20.00000	-17.00000	99.75000	0.00000	0.00000	0.11261
1		965	-19.00000	-17.00000	99.75000	0.00000	0.00000	0.10169
1		966	-18.00000	-17.00000	99.75000	0.00000	0.00000	0.08989
1		967	-17.00000	-17.00000	99.75000	0.00000	0.00000	0.07732
1		968	-16.00000	-17.00000	99.75000	0.00000	0.00000	0.06415
1		969	-15.00000	-17.00000	99.75000	0.00000	0.00000	0.05058
1		970	-14.00000	-17.00000	99.75000	0.00000	0.00000	0.03684
1		971	-13.00000	-17.00000	99.75000	0.00000	0.00000	0.02317



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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		972	-12.00000	-17.00000	99.75000	0.00000	0.00000	0.00984
1		973	-11.00000	-17.00000	99.75000	0.00000	0.00000	-0.00291
1		974	-10.00000	-17.00000	99.75000	0.00000	0.00000	-0.01485
1		975	-9.00000	-17.00000	99.75000	0.00000	0.00000	-0.02578
1		976	-8.00000	-17.00000	99.75000	0.00000	0.00000	-0.03555
1		977	-7.00000	-17.00000	99.75000	0.00000	0.00000	-0.04404
1		978	-6.00000	-17.00000	99.75000	0.00000	0.00000	-0.05119
1		979	-5.00000	-17.00000	99.75000	0.00000	0.00000	-0.05700
1		980	-4.00000	-17.00000	99.75000	0.00000	0.00000	-0.06149
1		981	-3.00000	-17.00000	99.75000	0.00000	0.00000	-0.06475
1		982	-2.00000	-17.00000	99.75000	0.00000	0.00000	-0.06687
1		983	-1.00000	-17.00000	99.75000	0.00000	0.00000	-0.06798
1		984	0.00000	-17.00000	99.75000	0.00000	0.00000	-0.06822
1		985	-40.00000	-16.00000	99.75000	0.00000	0.00000	0.12311
1		986	-39.00000	-16.00000	99.75000	0.00000	0.00000	0.13195
1		987	-38.00000	-16.00000	99.75000	0.00000	0.00000	0.14089
1		988	-37.00000	-16.00000	99.75000	0.00000	0.00000	0.14975
1		989	-36.00000	-16.00000	99.75000	0.00000	0.00000	0.15830
1		990	-35.00000	-16.00000	99.75000	0.00000	0.00000	0.16629
1		991	-34.00000	-16.00000	99.75000	0.00000	0.00000	0.17346
1		992	-33.00000	-16.00000	99.75000	0.00000	0.00000	0.17956
1		993	-32.00000	-16.00000	99.75000	0.00000	0.00000	0.18438
1		994	-31.00000	-16.00000	99.75000	0.00000	0.00000	0.18775
1		995	-30.00000	-16.00000	99.75000	0.00000	0.00000	0.18961
1		996	-29.00000	-16.00000	99.75000	0.00000	0.00000	0.18992



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J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		997	-28.00000	-16.00000	99.75000	0.00000	0.00000	0.18873
1		998	-27.00000	-16.00000	99.75000	0.00000	0.00000	0.18611
1		999	-26.00000	-16.00000	99.75000	0.00000	0.00000	0.18214
1		1000	-25.00000	-16.00000	99.75000	0.00000	0.00000	0.17689
1		1001	-24.00000	-16.00000	99.75000	0.00000	0.00000	0.17040
1		1002	-23.00000	-16.00000	99.75000	0.00000	0.00000	0.16269
1		1003	-22.00000	-16.00000	99.75000	0.00000	0.00000	0.15376
1		1004	-21.00000	-16.00000	99.75000	0.00000	0.00000	0.14358
1		1005	-20.00000	-16.00000	99.75000	0.00000	0.00000	0.13217
1		1006	-19.00000	-16.00000	99.75000	0.00000	0.00000	0.11954
1		1007	-18.00000	-16.00000	99.75000	0.00000	0.00000	0.10578
1		1008	-17.00000	-16.00000	99.75000	0.00000	0.00000	0.09101
1		1009	-16.00000	-16.00000	99.75000	0.00000	0.00000	0.07544
1		1010	-15.00000	-16.00000	99.75000	0.00000	0.00000	0.05931
1		1011	-14.00000	-16.00000	99.75000	0.00000	0.00000	0.04293
1		1012	-13.00000	-16.00000	99.75000	0.00000	0.00000	0.02661
1		1013	-12.00000	-16.00000	99.75000	0.00000	0.00000	0.01068
1		1014	-11.00000	-16.00000	99.75000	0.00000	0.00000	-0.00453
1		1015	-10.00000	-16.00000	99.75000	0.00000	0.00000	-0.01872
1		1016	-9.00000	-16.00000	99.75000	0.00000	0.00000	-0.03164
1		1017	-8.00000	-16.00000	99.75000	0.00000	0.00000	-0.04309
1		1018	-7.00000	-16.00000	99.75000	0.00000	0.00000	-0.05293
1		1019	-6.00000	-16.00000	99.75000	0.00000	0.00000	-0.06108
1		1020	-5.00000	-16.00000	99.75000	0.00000	0.00000	-0.06756



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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1021	-4.00000	-16.00000	99.75000	0.00000	0.00000	-0.07242
1		1022	-3.00000	-16.00000	99.75000	0.00000	0.00000	-0.07576
1		1023	-2.00000	-16.00000	99.75000	0.00000	0.00000	-0.07775
1		1024	-1.00000	-16.00000	99.75000	0.00000	0.00000	-0.07854
1		1025	0.00000	-16.00000	99.75000	0.00000	0.00000	-0.07832
1		1026	-40.00000	-15.00000	99.75000	0.00000	0.00000	0.13678
1		1027	-39.00000	-15.00000	99.75000	0.00000	0.00000	0.14752
1		1028	-38.00000	-15.00000	99.75000	0.00000	0.00000	0.15852
1		1029	-37.00000	-15.00000	99.75000	0.00000	0.00000	0.16956
1		1030	-36.00000	-15.00000	99.75000	0.00000	0.00000	0.18033
1		1031	-35.00000	-15.00000	99.75000	0.00000	0.00000	0.19051
1		1032	-34.00000	-15.00000	99.75000	0.00000	0.00000	0.19973
1		1033	-33.00000	-15.00000	99.75000	0.00000	0.00000	0.20763
1		1034	-32.00000	-15.00000	99.75000	0.00000	0.00000	0.21391
1		1035	-31.00000	-15.00000	99.75000	0.00000	0.00000	0.21835
1		1036	-30.00000	-15.00000	99.75000	0.00000	0.00000	0.22087
1		1037	-29.00000	-15.00000	99.75000	0.00000	0.00000	0.22146
1		1038	-28.00000	-15.00000	99.75000	0.00000	0.00000	0.22022
1		1039	-27.00000	-15.00000	99.75000	0.00000	0.00000	0.21730
1		1040	-26.00000	-15.00000	99.75000	0.00000	0.00000	0.21282
1		1041	-25.00000	-15.00000	99.75000	0.00000	0.00000	0.20691
1		1042	-24.00000	-15.00000	99.75000	0.00000	0.00000	0.19963
1		1043	-23.00000	-15.00000	99.75000	0.00000	0.00000	0.19097
1		1044	-22.00000	-15.00000	99.75000	0.00000	0.00000	0.18090
1		1045	-21.00000	-15.00000	99.75000	0.00000	0.00000	0.16935



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J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1046	-20.00000	-15.00000	99.75000	0.00000	0.00000	0.15627
1		1047	-19.00000	-15.00000	99.75000	0.00000	0.00000	0.14165
1		1048	-18.00000	-15.00000	99.75000	0.00000	0.00000	0.12555
1		1049	-17.00000	-15.00000	99.75000	0.00000	0.00000	0.10812
1		1050	-16.00000	-15.00000	99.75000	0.00000	0.00000	0.08959
1		1051	-15.00000	-15.00000	99.75000	0.00000	0.00000	0.07029
1		1052	-14.00000	-15.00000	99.75000	0.00000	0.00000	0.05060
1		1053	-13.00000	-15.00000	99.75000	0.00000	0.00000	0.03095
1		1054	-12.00000	-15.00000	99.75000	0.00000	0.00000	0.01176
1		1055	-11.00000	-15.00000	99.75000	0.00000	0.00000	-0.00653
1		1056	-10.00000	-15.00000	99.75000	0.00000	0.00000	-0.02353
1		1057	-9.00000	-15.00000	99.75000	0.00000	0.00000	-0.03892
1		1058	-8.00000	-15.00000	99.75000	0.00000	0.00000	-0.05243
1		1059	-7.00000	-15.00000	99.75000	0.00000	0.00000	-0.06389
1		1060	-6.00000	-15.00000	99.75000	0.00000	0.00000	-0.07322
1		1061	-5.00000	-15.00000	99.75000	0.00000	0.00000	-0.08043
1		1062	-4.00000	-15.00000	99.75000	0.00000	0.00000	-0.08562
1		1063	-3.00000	-15.00000	99.75000	0.00000	0.00000	-0.08896
1		1064	-2.00000	-15.00000	99.75000	0.00000	0.00000	-0.09066
1		1065	-1.00000	-15.00000	99.75000	0.00000	0.00000	-0.09095
1		1066	0.00000	-15.00000	99.75000	0.00000	0.00000	-0.09008
1		1067	-40.00000	-14.00000	99.75000	0.00000	0.00000	0.15203
1		1068	-39.00000	-14.00000	99.75000	0.00000	0.00000	0.16514
1		1069	-38.00000	-14.00000	99.75000	0.00000	0.00000	0.17875



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1070	-37.00000	-14.00000	99.75000	0.00000	0.00000	0.19261
1		1071	-36.00000	-14.00000	99.75000	0.00000	0.00000	0.20632
1		1072	-35.00000	-14.00000	99.75000	0.00000	0.00000	0.21942
1		1073	-34.00000	-14.00000	99.75000	0.00000	0.00000	0.23139
1		1074	-33.00000	-14.00000	99.75000	0.00000	0.00000	0.24172
1		1075	-32.00000	-14.00000	99.75000	0.00000	0.00000	0.24995
1		1076	-31.00000	-14.00000	99.75000	0.00000	0.00000	0.25578
1		1077	-30.00000	-14.00000	99.75000	0.00000	0.00000	0.25910
1		1078	-29.00000	-14.00000	99.75000	0.00000	0.00000	0.25996
1		1079	-28.00000	-14.00000	99.75000	0.00000	0.00000	0.25857
1		1080	-27.00000	-14.00000	99.75000	0.00000	0.00000	0.25518
1		1081	-26.00000	-14.00000	99.75000	0.00000	0.00000	0.25005
1		1082	-25.00000	-14.00000	99.75000	0.00000	0.00000	0.24337
1		1083	-24.00000	-14.00000	99.75000	0.00000	0.00000	0.23521
1		1084	-23.00000	-14.00000	99.75000	0.00000	0.00000	0.22555
1		1085	-22.00000	-14.00000	99.75000	0.00000	0.00000	0.21428
1		1086	-21.00000	-14.00000	99.75000	0.00000	0.00000	0.20125
1		1087	-20.00000	-14.00000	99.75000	0.00000	0.00000	0.18631
1		1088	-19.00000	-14.00000	99.75000	0.00000	0.00000	0.16938
1		1089	-18.00000	-14.00000	99.75000	0.00000	0.00000	0.15050
1		1090	-17.00000	-14.00000	99.75000	0.00000	0.00000	0.12980
1		1091	-16.00000	-14.00000	99.75000	0.00000	0.00000	0.10760
1		1092	-15.00000	-14.00000	99.75000	0.00000	0.00000	0.08431
1		1093	-14.00000	-14.00000	99.75000	0.00000	0.00000	0.06044
1		1094	-13.00000	-14.00000	99.75000	0.00000	0.00000	0.03655



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1095	-12.00000	-14.00000	99.75000	0.00000	0.00000	0.01323
1		1096	-11.00000	-14.00000	99.75000	0.00000	0.00000	-0.00898
1		1097	-10.00000	-14.00000	99.75000	0.00000	0.00000	-0.02955
1		1098	-9.00000	-14.00000	99.75000	0.00000	0.00000	-0.04804
1		1099	-8.00000	-14.00000	99.75000	0.00000	0.00000	-0.06410
1		1100	-7.00000	-14.00000	99.75000	0.00000	0.00000	-0.07752
1		1101	-6.00000	-14.00000	99.75000	0.00000	0.00000	-0.08821
1		1102	-5.00000	-14.00000	99.75000	0.00000	0.00000	-0.09621
1		1103	-4.00000	-14.00000	99.75000	0.00000	0.00000	-0.10167
1		1104	-3.00000	-14.00000	99.75000	0.00000	0.00000	-0.10485
1		1105	-2.00000	-14.00000	99.75000	0.00000	0.00000	-0.10604
1		1106	-1.00000	-14.00000	99.75000	0.00000	0.00000	-0.10558
1		1107	0.00000	-14.00000	99.75000	0.00000	0.00000	-0.10379
1		1108	-40.00000	-13.00000	99.75000	0.00000	0.00000	0.16900
1		1109	-39.00000	-13.00000	99.75000	0.00000	0.00000	0.18505
1		1110	-38.00000	-13.00000	99.75000	0.00000	0.00000	0.20200
1		1111	-37.00000	-13.00000	99.75000	0.00000	0.00000	0.21954
1		1112	-36.00000	-13.00000	99.75000	0.00000	0.00000	0.23718
1		1113	-35.00000	-13.00000	99.75000	0.00000	0.00000	0.25427
1		1114	-34.00000	-13.00000	99.75000	0.00000	0.00000	0.27004
1		1115	-33.00000	-13.00000	99.75000	0.00000	0.00000	0.28371
1		1116	-32.00000	-13.00000	99.75000	0.00000	0.00000	0.29459
1		1117	-31.00000	-13.00000	99.75000	0.00000	0.00000	0.30223
1		1118	-30.00000	-13.00000	99.75000	0.00000	0.00000	0.30648



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1119	-29.00000	-13.00000	99.75000	0.00000	0.00000	0.30753
1		1120	-28.00000	-13.00000	99.75000	0.00000	0.00000	0.30575
1		1121	-27.00000	-13.00000	99.75000	0.00000	0.00000	0.30163
1		1122	-26.00000	-13.00000	99.75000	0.00000	0.00000	0.29561
1		1123	-25.00000	-13.00000	99.75000	0.00000	0.00000	0.28800
1		1124	-24.00000	-13.00000	99.75000	0.00000	0.00000	0.27891
1		1125	-23.00000	-13.00000	99.75000	0.00000	0.00000	0.26824
1		1126	-22.00000	-13.00000	99.75000	0.00000	0.00000	0.25578
1		1127	-21.00000	-13.00000	99.75000	0.00000	0.00000	0.24122
1		1128	-20.00000	-13.00000	99.75000	0.00000	0.00000	0.22426
1		1129	-19.00000	-13.00000	99.75000	0.00000	0.00000	0.20468
1		1130	-18.00000	-13.00000	99.75000	0.00000	0.00000	0.18246
1		1131	-17.00000	-13.00000	99.75000	0.00000	0.00000	0.15774
1		1132	-16.00000	-13.00000	99.75000	0.00000	0.00000	0.13092
1		1133	-15.00000	-13.00000	99.75000	0.00000	0.00000	0.10254
1		1134	-14.00000	-13.00000	99.75000	0.00000	0.00000	0.07330
1		1135	-13.00000	-13.00000	99.75000	0.00000	0.00000	0.04396
1		1136	-12.00000	-13.00000	99.75000	0.00000	0.00000	0.01529
1		1137	-11.00000	-13.00000	99.75000	0.00000	0.00000	-0.01195
1		1138	-10.00000	-13.00000	99.75000	0.00000	0.00000	-0.03708
1		1139	-9.00000	-13.00000	99.75000	0.00000	0.00000	-0.05952
1		1140	-8.00000	-13.00000	99.75000	0.00000	0.00000	-0.07880
1		1141	-7.00000	-13.00000	99.75000	0.00000	0.00000	-0.09463
1		1142	-6.00000	-13.00000	99.75000	0.00000	0.00000	-0.10691
1		1143	-5.00000	-13.00000	99.75000	0.00000	0.00000	-0.11572



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1144	-4.00000	-13.00000	99.75000	0.00000	0.00000	-0.12131
1		1145	-3.00000	-13.00000	99.75000	0.00000	0.00000	-0.12407
1		1146	-2.00000	-13.00000	99.75000	0.00000	0.00000	-0.12443
1		1147	-1.00000	-13.00000	99.75000	0.00000	0.00000	-0.12285
1		1148	0.00000	-13.00000	99.75000	0.00000	0.00000	-0.11978
1		1149	-40.00000	-12.00000	99.75000	0.00000	0.00000	0.18778
1		1150	-39.00000	-12.00000	99.75000	0.00000	0.00000	0.20748
1		1151	-38.00000	-12.00000	99.75000	0.00000	0.00000	0.22871
1		1152	-37.00000	-12.00000	99.75000	0.00000	0.00000	0.25112
1		1153	-36.00000	-12.00000	99.75000	0.00000	0.00000	0.27410
1		1154	-35.00000	-12.00000	99.75000	0.00000	0.00000	0.29674
1		1155	-34.00000	-12.00000	99.75000	0.00000	0.00000	0.31791
1		1156	-33.00000	-12.00000	99.75000	0.00000	0.00000	0.33634
1		1157	-32.00000	-12.00000	99.75000	0.00000	0.00000	0.35093
1		1158	-31.00000	-12.00000	99.75000	0.00000	0.00000	0.36095
1		1159	-30.00000	-12.00000	99.75000	0.00000	0.00000	0.36624
1		1160	-29.00000	-12.00000	99.75000	0.00000	0.00000	0.36718
1		1161	-28.00000	-12.00000	99.75000	0.00000	0.00000	0.36453
1		1162	-27.00000	-12.00000	99.75000	0.00000	0.00000	0.35918
1		1163	-26.00000	-12.00000	99.75000	0.00000	0.00000	0.35188
1		1164	-25.00000	-12.00000	99.75000	0.00000	0.00000	0.34314
1		1165	-24.00000	-12.00000	99.75000	0.00000	0.00000	0.33308
1		1166	-23.00000	-12.00000	99.75000	0.00000	0.00000	0.32153
1		1167	-22.00000	-12.00000	99.75000	0.00000	0.00000	0.30803



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1168	-21.00000	-12.00000	99.75000	0.00000	0.00000	0.29203
1		1169	-20.00000	-12.00000	99.75000	0.00000	0.00000	0.27296
1		1170	-19.00000	-12.00000	99.75000	0.00000	0.00000	0.25039
1		1171	-18.00000	-12.00000	99.75000	0.00000	0.00000	0.22415
1		1172	-17.00000	-12.00000	99.75000	0.00000	0.00000	0.19440
1		1173	-16.00000	-12.00000	99.75000	0.00000	0.00000	0.16164
1		1174	-15.00000	-12.00000	99.75000	0.00000	0.00000	0.12666
1		1175	-14.00000	-12.00000	99.75000	0.00000	0.00000	0.09043
1		1176	-13.00000	-12.00000	99.75000	0.00000	0.00000	0.05398
1		1177	-12.00000	-12.00000	99.75000	0.00000	0.00000	0.01835
1		1178	-11.00000	-12.00000	99.75000	0.00000	0.00000	-0.01546
1		1179	-10.00000	-12.00000	99.75000	0.00000	0.00000	-0.04655
1		1180	-9.00000	-12.00000	99.75000	0.00000	0.00000	-0.07410
1		1181	-8.00000	-12.00000	99.75000	0.00000	0.00000	-0.09749
1		1182	-7.00000	-12.00000	99.75000	0.00000	0.00000	-0.11632
1		1183	-6.00000	-12.00000	99.75000	0.00000	0.00000	-0.13045
1		1184	-5.00000	-12.00000	99.75000	0.00000	0.00000	-0.14005
1		1185	-4.00000	-12.00000	99.75000	0.00000	0.00000	-0.14553
1		1186	-3.00000	-12.00000	99.75000	0.00000	0.00000	-0.14746
1		1187	-2.00000	-12.00000	99.75000	0.00000	0.00000	-0.14650
1		1188	-1.00000	-12.00000	99.75000	0.00000	0.00000	-0.14329
1		1189	0.00000	-12.00000	99.75000	0.00000	0.00000	-0.13844
1		1190	-40.00000	-11.00000	99.75000	0.00000	0.00000	0.20838
1		1191	-39.00000	-11.00000	99.75000	0.00000	0.00000	0.23260
1		1192	-38.00000	-11.00000	99.75000	0.00000	0.00000	0.25932



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1193	-37.00000	-11.00000	99.75000	0.00000	0.00000	0.28822
1		1194	-36.00000	-11.00000	99.75000	0.00000	0.00000	0.31859
1		1195	-35.00000	-11.00000	99.75000	0.00000	0.00000	0.34919
1		1196	-34.00000	-11.00000	99.75000	0.00000	0.00000	0.37825
1		1197	-33.00000	-11.00000	99.75000	0.00000	0.00000	0.40373
1		1198	-32.00000	-11.00000	99.75000	0.00000	0.00000	0.42370
1		1199	-31.00000	-11.00000	99.75000	0.00000	0.00000	0.43692
1		1200	-30.00000	-11.00000	99.75000	0.00000	0.00000	0.44320
1		1201	-29.00000	-11.00000	99.75000	0.00000	0.00000	0.44336
1		1202	-28.00000	-11.00000	99.75000	0.00000	0.00000	0.43889
1		1203	-27.00000	-11.00000	99.75000	0.00000	0.00000	0.43137
1		1204	-26.00000	-11.00000	99.75000	0.00000	0.00000	0.42215
1		1205	-25.00000	-11.00000	99.75000	0.00000	0.00000	0.41199
1		1206	-24.00000	-11.00000	99.75000	0.00000	0.00000	0.40105
1		1207	-23.00000	-11.00000	99.75000	0.00000	0.00000	0.38893
1		1208	-22.00000	-11.00000	99.75000	0.00000	0.00000	0.37484
1		1209	-21.00000	-11.00000	99.75000	0.00000	0.00000	0.35775
1		1210	-20.00000	-11.00000	99.75000	0.00000	0.00000	0.33665
1		1211	-19.00000	-11.00000	99.75000	0.00000	0.00000	0.31075
1		1212	-18.00000	-11.00000	99.75000	0.00000	0.00000	0.27964
1		1213	-17.00000	-11.00000	99.75000	0.00000	0.00000	0.24347
1		1214	-16.00000	-11.00000	99.75000	0.00000	0.00000	0.20296
1		1215	-15.00000	-11.00000	99.75000	0.00000	0.00000	0.15925
1		1216	-14.00000	-11.00000	99.75000	0.00000	0.00000	0.11373



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1217	-13.00000	-11.00000	99.75000	0.00000	0.00000	0.06787
1		1218	-12.00000	-11.00000	99.75000	0.00000	0.00000	0.02303
1		1219	-11.00000	-11.00000	99.75000	0.00000	0.00000	-0.01947
1		1220	-10.00000	-11.00000	99.75000	0.00000	0.00000	-0.05844
1		1221	-9.00000	-11.00000	99.75000	0.00000	0.00000	-0.09276
1		1222	-8.00000	-11.00000	99.75000	0.00000	0.00000	-0.12153
1		1223	-7.00000	-11.00000	99.75000	0.00000	0.00000	-0.14414
1		1224	-6.00000	-11.00000	99.75000	0.00000	0.00000	-0.16044
1		1225	-5.00000	-11.00000	99.75000	0.00000	0.00000	-0.17071
1		1226	-4.00000	-11.00000	99.75000	0.00000	0.00000	-0.17563
1		1227	-3.00000	-11.00000	99.75000	0.00000	0.00000	-0.17610
1		1228	-2.00000	-11.00000	99.75000	0.00000	0.00000	-0.17308
1		1229	-1.00000	-11.00000	99.75000	0.00000	0.00000	-0.16752
1		1230	0.00000	-11.00000	99.75000	0.00000	0.00000	-0.16021
1		1231	-40.00000	-10.00000	99.75000	0.00000	0.00000	0.23067
1		1232	-39.00000	-10.00000	99.75000	0.00000	0.00000	0.26044
1		1233	-38.00000	-10.00000	99.75000	0.00000	0.00000	0.29418
1		1234	-37.00000	-10.00000	99.75000	0.00000	0.00000	0.33178
1		1235	-36.00000	-10.00000	99.75000	0.00000	0.00000	0.37253
1		1236	-35.00000	-10.00000	99.75000	0.00000	0.00000	0.41482
1		1237	-34.00000	-10.00000	99.75000	0.00000	0.00000	0.45594
1		1238	-33.00000	-10.00000	99.75000	0.00000	0.00000	0.49236
1		1239	-32.00000	-10.00000	99.75000	0.00000	0.00000	0.52054
1		1240	-31.00000	-10.00000	99.75000	0.00000	0.00000	0.53816
1		1241	-30.00000	-10.00000	99.75000	0.00000	0.00000	0.54501



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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1242	-29.00000	-10.00000	99.75000	0.00000	0.00000	0.54289
1		1243	-28.00000	-10.00000	99.75000	0.00000	0.00000	0.53470
1		1244	-27.00000	-10.00000	99.75000	0.00000	0.00000	0.52336
1		1245	-26.00000	-10.00000	99.75000	0.00000	0.00000	0.51112
1		1246	-25.00000	-10.00000	99.75000	0.00000	0.00000	0.49918
1		1247	-24.00000	-10.00000	99.75000	0.00000	0.00000	0.48763
1		1248	-23.00000	-10.00000	99.75000	0.00000	0.00000	0.47569
1		1249	-22.00000	-10.00000	99.75000	0.00000	0.00000	0.46190
1		1250	-21.00000	-10.00000	99.75000	0.00000	0.00000	0.44453
1		1251	-20.00000	-10.00000	99.75000	0.00000	0.00000	0.42184
1		1252	-19.00000	-10.00000	99.75000	0.00000	0.00000	0.39236
1		1253	-18.00000	-10.00000	99.75000	0.00000	0.00000	0.35528
1		1254	-17.00000	-10.00000	99.75000	0.00000	0.00000	0.31073
1		1255	-16.00000	-10.00000	99.75000	0.00000	0.00000	0.25977
1		1256	-15.00000	-10.00000	99.75000	0.00000	0.00000	0.20422
1		1257	-14.00000	-10.00000	99.75000	0.00000	0.00000	0.14617
1		1258	-13.00000	-10.00000	99.75000	0.00000	0.00000	0.08766
1		1259	-12.00000	-10.00000	99.75000	0.00000	0.00000	0.03051
1		1260	-11.00000	-10.00000	99.75000	0.00000	0.00000	-0.02366
1		1261	-10.00000	-10.00000	99.75000	0.00000	0.00000	-0.07328
1		1262	-9.00000	-10.00000	99.75000	0.00000	0.00000	-0.11680
1		1263	-8.00000	-10.00000	99.75000	0.00000	0.00000	-0.15281
1		1264	-7.00000	-10.00000	99.75000	0.00000	0.00000	-0.18036
1		1265	-6.00000	-10.00000	99.75000	0.00000	0.00000	-0.19918



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Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1266	-5.00000	-10.00000	99.75000	0.00000	0.00000	-0.20981
1		1267	-4.00000	-10.00000	99.75000	0.00000	0.00000	-0.21339
1		1268	-3.00000	-10.00000	99.75000	0.00000	0.00000	-0.21135
1		1269	-2.00000	-10.00000	99.75000	0.00000	0.00000	-0.20519
1		1270	-1.00000	-10.00000	99.75000	0.00000	0.00000	-0.19623
1		1271	0.00000	-10.00000	99.75000	0.00000	0.00000	-0.18555
1		1272	-40.00000	-9.00000	99.75000	0.00000	0.00000	0.25435
1		1273	-39.00000	-9.00000	99.75000	0.00000	0.00000	0.29077
1		1274	-38.00000	-9.00000	99.75000	0.00000	0.00000	0.33336
1		1275	-37.00000	-9.00000	99.75000	0.00000	0.00000	0.38258
1		1276	-36.00000	-9.00000	99.75000	0.00000	0.00000	0.43810
1		1277	-35.00000	-9.00000	99.75000	0.00000	0.00000	0.49810
1		1278	-34.00000	-9.00000	99.75000	0.00000	0.00000	0.55851
1		1279	-33.00000	-9.00000	99.75000	0.00000	0.00000	0.61301
1		1280	-32.00000	-9.00000	99.75000	0.00000	0.00000	0.65456
1		1281	-31.00000	-9.00000	99.75000	0.00000	0.00000	0.67842
1		1282	-30.00000	-9.00000	99.75000	0.00000	0.00000	0.68445
1		1283	-29.00000	-9.00000	99.75000	0.00000	0.00000	0.67672
1		1284	-28.00000	-9.00000	99.75000	0.00000	0.00000	0.66109
1		1285	-27.00000	-9.00000	99.75000	0.00000	0.00000	0.64293
1		1286	-26.00000	-9.00000	99.75000	0.00000	0.00000	0.62590
1		1287	-25.00000	-9.00000	99.75000	0.00000	0.00000	0.61174
1		1288	-24.00000	-9.00000	99.75000	0.00000	0.00000	0.60031
1		1289	-23.00000	-9.00000	99.75000	0.00000	0.00000	0.58997
1		1290	-22.00000	-9.00000	99.75000	0.00000	0.00000	0.57820



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1291	-21.00000	-9.00000	99.75000	0.00000	0.00000	0.56216
1		1292	-20.00000	-9.00000	99.75000	0.00000	0.00000	0.53892
1		1293	-19.00000	-9.00000	99.75000	0.00000	0.00000	0.50588
1		1294	-18.00000	-9.00000	99.75000	0.00000	0.00000	0.46139
1		1295	-17.00000	-9.00000	99.75000	0.00000	0.00000	0.40547
1		1296	-16.00000	-9.00000	99.75000	0.00000	0.00000	0.33992
1		1297	-15.00000	-9.00000	99.75000	0.00000	0.00000	0.26779
1		1298	-14.00000	-9.00000	99.75000	0.00000	0.00000	0.19242
1		1299	-13.00000	-9.00000	99.75000	0.00000	0.00000	0.11672
1		1300	-12.00000	-9.00000	99.75000	0.00000	0.00000	0.04295
1		1301	-11.00000	-9.00000	99.75000	0.00000	0.00000	-0.02707
1		1302	-10.00000	-9.00000	99.75000	0.00000	0.00000	-0.09145
1		1303	-9.00000	-9.00000	99.75000	0.00000	0.00000	-0.14793
1		1304	-8.00000	-9.00000	99.75000	0.00000	0.00000	-0.19415
1		1305	-7.00000	-9.00000	99.75000	0.00000	0.00000	-0.22837
1		1306	-6.00000	-9.00000	99.75000	0.00000	0.00000	-0.25012
1		1307	-5.00000	-9.00000	99.75000	0.00000	0.00000	-0.26040
1		1308	-4.00000	-9.00000	99.75000	0.00000	0.00000	-0.26122
1		1309	-3.00000	-9.00000	99.75000	0.00000	0.00000	-0.25500
1		1310	-2.00000	-9.00000	99.75000	0.00000	0.00000	-0.24404
1		1311	-1.00000	-9.00000	99.75000	0.00000	0.00000	-0.23021
1		1312	0.00000	-9.00000	99.75000	0.00000	0.00000	-0.21494
1		1313	-40.00000	-8.00000	99.75000	0.00000	0.00000	0.27878
1		1314	-39.00000	-8.00000	99.75000	0.00000	0.00000	0.32292



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1315	-38.00000	-8.00000	99.75000	0.00000	0.00000	0.37638
1		1316	-37.00000	-8.00000	99.75000	0.00000	0.00000	0.44088
1		1317	-36.00000	-8.00000	99.75000	0.00000	0.00000	0.51745
1		1318	-35.00000	-8.00000	99.75000	0.00000	0.00000	0.60497
1		1319	-34.00000	-8.00000	99.75000	0.00000	0.00000	0.69792
1		1320	-33.00000	-8.00000	99.75000	0.00000	0.00000	0.78472
1		1321	-32.00000	-8.00000	99.75000	0.00000	0.00000	0.85011
1		1322	-31.00000	-8.00000	99.75000	0.00000	0.00000	0.88311
1		1323	-30.00000	-8.00000	99.75000	0.00000	0.00000	0.88419
1		1324	-29.00000	-8.00000	99.75000	0.00000	0.00000	0.86342
1		1325	-28.00000	-8.00000	99.75000	0.00000	0.00000	0.83313
1		1326	-27.00000	-8.00000	99.75000	0.00000	0.00000	0.80282
1		1327	-26.00000	-8.00000	99.75000	0.00000	0.00000	0.77816
1		1328	-25.00000	-8.00000	99.75000	0.00000	0.00000	0.76144
1		1329	-24.00000	-8.00000	99.75000	0.00000	0.00000	0.75175
1		1330	-23.00000	-8.00000	99.75000	0.00000	0.00000	0.74569
1		1331	-22.00000	-8.00000	99.75000	0.00000	0.00000	0.73883
1		1332	-21.00000	-8.00000	99.75000	0.00000	0.00000	0.72688
1		1333	-20.00000	-8.00000	99.75000	0.00000	0.00000	0.70536
1		1334	-19.00000	-8.00000	99.75000	0.00000	0.00000	0.66942
1		1335	-18.00000	-8.00000	99.75000	0.00000	0.00000	0.61554
1		1336	-17.00000	-8.00000	99.75000	0.00000	0.00000	0.54342
1		1337	-16.00000	-8.00000	99.75000	0.00000	0.00000	0.45639
1		1338	-15.00000	-8.00000	99.75000	0.00000	0.00000	0.36007
1		1339	-14.00000	-8.00000	99.75000	0.00000	0.00000	0.26018



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1340	-13.00000	-8.00000	99.75000	0.00000	0.00000	0.16092
1		1341	-12.00000	-8.00000	99.75000	0.00000	0.00000	0.06468
1		1342	-11.00000	-8.00000	99.75000	0.00000	0.00000	-0.02708
1		1343	-10.00000	-8.00000	99.75000	0.00000	0.00000	-0.11251
1		1344	-9.00000	-8.00000	99.75000	0.00000	0.00000	-0.18822
1		1345	-8.00000	-8.00000	99.75000	0.00000	0.00000	-0.24979
1		1346	-7.00000	-8.00000	99.75000	0.00000	0.00000	-0.29358
1		1347	-6.00000	-8.00000	99.75000	0.00000	0.00000	-0.31861
1		1348	-5.00000	-8.00000	99.75000	0.00000	0.00000	-0.32695
1		1349	-4.00000	-8.00000	99.75000	0.00000	0.00000	-0.32245
1		1350	-3.00000	-8.00000	99.75000	0.00000	0.00000	-0.30930
1		1351	-2.00000	-8.00000	99.75000	0.00000	0.00000	-0.29104
1		1352	-1.00000	-8.00000	99.75000	0.00000	0.00000	-0.27028
1		1353	0.00000	-8.00000	99.75000	0.00000	0.00000	-0.24878
1		1354	-40.00000	-7.00000	99.75000	0.00000	0.00000	0.30299
1		1355	-39.00000	-7.00000	99.75000	0.00000	0.00000	0.35561
1		1356	-38.00000	-7.00000	99.75000	0.00000	0.00000	0.42175
1		1357	-37.00000	-7.00000	99.75000	0.00000	0.00000	0.50557
1		1358	-36.00000	-7.00000	99.75000	0.00000	0.00000	0.61160
1		1359	-35.00000	-7.00000	99.75000	0.00000	0.00000	0.74247
1		1360	-34.00000	-7.00000	99.75000	0.00000	0.00000	0.89349
1		1361	-33.00000	-7.00000	99.75000	0.00000	0.00000	1.04417
1		1362	-32.00000	-7.00000	99.75000	0.00000	0.00000	1.15774
1		1363	-31.00000	-7.00000	99.75000	0.00000	0.00000	1.20433



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 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1364	-30.00000	-7.00000	99.75000	0.00000	0.00000	1.18794
1		1365	-29.00000	-7.00000	99.75000	0.00000	0.00000	1.13704
1		1366	-28.00000	-7.00000	99.75000	0.00000	0.00000	1.07814
1		1367	-27.00000	-7.00000	99.75000	0.00000	0.00000	1.02660
1		1368	-26.00000	-7.00000	99.75000	0.00000	0.00000	0.98989
1		1369	-25.00000	-7.00000	99.75000	0.00000	0.00000	0.97065
1		1370	-24.00000	-7.00000	99.75000	0.00000	0.00000	0.96642
1		1371	-23.00000	-7.00000	99.75000	0.00000	0.00000	0.96947
1		1372	-22.00000	-7.00000	99.75000	0.00000	0.00000	0.97135
1		1373	-21.00000	-7.00000	99.75000	0.00000	0.00000	0.96740
1		1374	-20.00000	-7.00000	99.75000	0.00000	0.00000	0.95214
1		1375	-19.00000	-7.00000	99.75000	0.00000	0.00000	0.91574
1		1376	-18.00000	-7.00000	99.75000	0.00000	0.00000	0.84978
1		1377	-17.00000	-7.00000	99.75000	0.00000	0.00000	0.75291
1		1378	-16.00000	-7.00000	99.75000	0.00000	0.00000	0.63191
1		1379	-15.00000	-7.00000	99.75000	0.00000	0.00000	0.49832
1		1380	-14.00000	-7.00000	99.75000	0.00000	0.00000	0.36272
1		1381	-13.00000	-7.00000	99.75000	0.00000	0.00000	0.23110
1		1382	-12.00000	-7.00000	99.75000	0.00000	0.00000	0.10498
1		1383	-11.00000	-7.00000	99.75000	0.00000	0.00000	-0.01651
1		1384	-10.00000	-7.00000	99.75000	0.00000	0.00000	-0.13308
1		1385	-9.00000	-7.00000	99.75000	0.00000	0.00000	-0.23959
1		1386	-8.00000	-7.00000	99.75000	0.00000	0.00000	-0.32649
1		1387	-7.00000	-7.00000	99.75000	0.00000	0.00000	-0.38518
1		1388	-6.00000	-7.00000	99.75000	0.00000	0.00000	-0.41348



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1389	-5.00000	-7.00000	99.75000	0.00000	0.00000	-0.41627
1		1390	-4.00000	-7.00000	99.75000	0.00000	0.00000	-0.40162
1		1391	-3.00000	-7.00000	99.75000	0.00000	0.00000	-0.37696
1		1392	-2.00000	-7.00000	99.75000	0.00000	0.00000	-0.34766
1		1393	-1.00000	-7.00000	99.75000	0.00000	0.00000	-0.31714
1		1394	0.00000	-7.00000	99.75000	0.00000	0.00000	-0.28736
1		1395	-40.00000	-6.00000	99.75000	0.00000	0.00000	0.32564
1		1396	-39.00000	-6.00000	99.75000	0.00000	0.00000	0.38678
1		1397	-38.00000	-6.00000	99.75000	0.00000	0.00000	0.46647
1		1398	-37.00000	-6.00000	99.75000	0.00000	0.00000	0.57286
1		1399	-36.00000	-6.00000	99.75000	0.00000	0.00000	0.71769
1		1400	-35.00000	-6.00000	99.75000	0.00000	0.00000	0.91558
1		1401	-34.00000	-6.00000	99.75000	0.00000	0.00000	1.17528
1		1402	-33.00000	-6.00000	99.75000	0.00000	0.00000	1.47006
1		1403	-32.00000	-6.00000	99.75000	0.00000	0.00000	1.70148
1		1404	-31.00000	-6.00000	99.75000	0.00000	0.00000	1.76569
1		1405	-30.00000	-6.00000	99.75000	0.00000	0.00000	1.68959
1		1406	-29.00000	-6.00000	99.75000	0.00000	0.00000	1.56803
1		1407	-28.00000	-6.00000	99.75000	0.00000	0.00000	1.45517
1		1408	-27.00000	-6.00000	99.75000	0.00000	0.00000	1.36799
1		1409	-26.00000	-6.00000	99.75000	0.00000	0.00000	1.31203
1		1410	-25.00000	-6.00000	99.75000	0.00000	0.00000	1.29104
1		1411	-24.00000	-6.00000	99.75000	0.00000	0.00000	1.30145
1		1412	-23.00000	-6.00000	99.75000	0.00000	0.00000	1.32284



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1413	-22.00000	-6.00000	99.75000	0.00000	0.00000	1.33297
1		1414	-21.00000	-6.00000	99.75000	0.00000	0.00000	1.33770
1		1415	-20.00000	-6.00000	99.75000	0.00000	0.00000	1.33866
1		1416	-19.00000	-6.00000	99.75000	0.00000	0.00000	1.30964
1		1417	-18.00000	-6.00000	99.75000	0.00000	0.00000	1.22815
1		1418	-17.00000	-6.00000	99.75000	0.00000	0.00000	1.08972
1		1419	-16.00000	-6.00000	99.75000	0.00000	0.00000	0.90932
1		1420	-15.00000	-6.00000	99.75000	0.00000	0.00000	0.71389
1		1421	-14.00000	-6.00000	99.75000	0.00000	0.00000	0.52458
1		1422	-13.00000	-6.00000	99.75000	0.00000	0.00000	0.34909
1		1423	-12.00000	-6.00000	99.75000	0.00000	0.00000	0.18532
1		1424	-11.00000	-6.00000	99.75000	0.00000	0.00000	0.02527
1		1425	-10.00000	-6.00000	99.75000	0.00000	0.00000	-0.13931
1		1426	-9.00000	-6.00000	99.75000	0.00000	0.00000	-0.30092
1		1427	-8.00000	-6.00000	99.75000	0.00000	0.00000	-0.43584
1		1428	-7.00000	-6.00000	99.75000	0.00000	0.00000	-0.52073
1		1429	-6.00000	-6.00000	99.75000	0.00000	0.00000	-0.55031
1		1430	-5.00000	-6.00000	99.75000	0.00000	0.00000	-0.53888
1		1431	-4.00000	-6.00000	99.75000	0.00000	0.00000	-0.50473
1		1432	-3.00000	-6.00000	99.75000	0.00000	0.00000	-0.46101
1		1433	-2.00000	-6.00000	99.75000	0.00000	0.00000	-0.41523
1		1434	-1.00000	-6.00000	99.75000	0.00000	0.00000	-0.37121
1		1435	0.00000	-6.00000	99.75000	0.00000	0.00000	-0.33065
1		1436	-40.00000	-5.00000	99.75000	0.00000	0.00000	0.34520
1		1437	-39.00000	-5.00000	99.75000	0.00000	0.00000	0.41378



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1438	-38.00000	-5.00000	99.75000	0.00000	0.00000	0.50589
1		1439	-37.00000	-5.00000	99.75000	0.00000	0.00000	0.63478
1		1440	-36.00000	-5.00000	99.75000	0.00000	0.00000	0.82394
1		1441	-35.00000	-5.00000	99.75000	0.00000	0.00000	1.11555
1		1442	-34.00000	-5.00000	99.75000	0.00000	0.00000	1.57797
1		1443	-33.00000	-5.00000	99.75000	0.00000	0.00000	2.25636
1		1444	-32.00000	-5.00000	99.75000	0.00000	0.00000	2.89005
1		1445	-31.00000	-5.00000	99.75000	0.00000	0.00000	2.94110
1		1446	-30.00000	-5.00000	99.75000	0.00000	0.00000	2.63505
1		1447	-29.00000	-5.00000	99.75000	0.00000	0.00000	2.35021
1		1448	-28.00000	-5.00000	99.75000	0.00000	0.00000	2.14492
1		1449	-27.00000	-5.00000	99.75000	0.00000	0.00000	2.00216
1		1450	-26.00000	-5.00000	99.75000	0.00000	0.00000	1.91191
1		1451	-25.00000	-5.00000	99.75000	0.00000	0.00000	1.88613
1		1452	-24.00000	-5.00000	99.75000	0.00000	0.00000	1.93666
1		1453	-23.00000	-5.00000	99.75000	0.00000	0.00000	2.00423
1		1454	-22.00000	-5.00000	99.75000	0.00000	0.00000	1.97028
1		1455	-21.00000	-5.00000	99.75000	0.00000	0.00000	1.94403
1		1456	-20.00000	-5.00000	99.75000	0.00000	0.00000	1.99301
1		1457	-19.00000	-5.00000	99.75000	0.00000	0.00000	1.99532
1		1458	-18.00000	-5.00000	99.75000	0.00000	0.00000	1.89486
1		1459	-17.00000	-5.00000	99.75000	0.00000	0.00000	1.67821
1		1460	-16.00000	-5.00000	99.75000	0.00000	0.00000	1.37731
1		1461	-15.00000	-5.00000	99.75000	0.00000	0.00000	1.06868



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J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1462	-14.00000	-5.00000	99.75000	0.00000	0.00000	0.79645
1		1463	-13.00000	-5.00000	99.75000	0.00000	0.00000	0.56351
1		1464	-12.00000	-5.00000	99.75000	0.00000	0.00000	0.35894
1		1465	-11.00000	-5.00000	99.75000	0.00000	0.00000	0.16527
1		1466	-10.00000	-5.00000	99.75000	0.00000	0.00000	-0.07341
1		1467	-9.00000	-5.00000	99.75000	0.00000	0.00000	-0.35043
1		1468	-8.00000	-5.00000	99.75000	0.00000	0.00000	-0.59797
1		1469	-7.00000	-5.00000	99.75000	0.00000	0.00000	-0.73942
1		1470	-6.00000	-5.00000	99.75000	0.00000	0.00000	-0.75882
1		1471	-5.00000	-5.00000	99.75000	0.00000	0.00000	-0.71053
1		1472	-4.00000	-5.00000	99.75000	0.00000	0.00000	-0.63879
1		1473	-3.00000	-5.00000	99.75000	0.00000	0.00000	-0.56408
1		1474	-2.00000	-5.00000	99.75000	0.00000	0.00000	-0.49437
1		1475	-1.00000	-5.00000	99.75000	0.00000	0.00000	-0.43228
1		1476	0.00000	-5.00000	99.75000	0.00000	0.00000	-0.37814
1		1477	-40.00000	-4.00000	99.75000	0.00000	0.00000	0.36028
1		1478	-39.00000	-4.00000	99.75000	0.00000	0.00000	0.43391
1		1479	-38.00000	-4.00000	99.75000	0.00000	0.00000	0.53447
1		1480	-37.00000	-4.00000	99.75000	0.00000	0.00000	0.67955
1		1481	-36.00000	-4.00000	99.75000	0.00000	0.00000	0.90501
1		1482	-35.00000	-4.00000	99.75000	0.00000	0.00000	1.29308
1		1483	-34.00000	-4.00000	99.75000	0.00000	0.00000	2.06528
1		1484	-33.00000	-4.00000	99.75000	0.00000	0.00000	3.93617
1		1485	-32.00000	-4.00000	99.75000	0.00000	0.00000	8.22824
1		1486	-31.00000	-4.00000	99.75000	0.00000	0.00000	7.44752



9 Lyndhurst Terrace, London
 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1487	-30.00000	-4.00000	99.75000	0.00000	0.00000	6.11202
1		1488	-29.00000	-4.00000	99.75000	0.00000	0.00000	5.51522
1		1489	-28.00000	-4.00000	99.75000	0.00000	0.00000	5.18534
1		1490	-27.00000	-4.00000	99.75000	0.00000	0.00000	4.96600
1		1491	-26.00000	-4.00000	99.75000	0.00000	0.00000	4.78311
1		1492	-25.00000	-4.00000	99.75000	0.00000	0.00000	4.66260
1		1493	-24.00000	-4.00000	99.75000	0.00000	0.00000	4.81680
1		1494	-23.00000	-4.00000	99.75000	0.00000	0.00000	5.12827
1		1495	-22.00000	-4.00000	99.75000	0.00000	0.00000	3.42546
1		1496	-21.00000	-4.00000	99.75000	0.00000	0.00000	2.94954
1		1497	-20.00000	-4.00000	99.75000	0.00000	0.00000	3.23344
1		1498	-19.00000	-4.00000	99.75000	0.00000	0.00000	3.31193
1		1499	-18.00000	-4.00000	99.75000	0.00000	0.00000	3.20175
1		1500	-17.00000	-4.00000	99.75000	0.00000	0.00000	2.82442
1		1501	-16.00000	-4.00000	99.75000	0.00000	0.00000	2.20489
1		1502	-15.00000	-4.00000	99.75000	0.00000	0.00000	1.66485
1		1503	-14.00000	-4.00000	99.75000	0.00000	0.00000	1.26745
1		1504	-13.00000	-4.00000	99.75000	0.00000	0.00000	0.96487
1		1505	-12.00000	-4.00000	99.75000	0.00000	0.00000	0.72349
1		1506	-11.00000	-4.00000	99.75000	0.00000	0.00000	0.92361
1		1507	-10.00000	-4.00000	99.75000	0.00000	0.00000	0.63402
1		1508	-9.00000	-4.00000	99.75000	0.00000	0.00000	0.05640
1		1509	-8.00000	-4.00000	99.75000	0.00000	0.00000	-0.63262
1		1510	-7.00000	-4.00000	99.75000	0.00000	0.00000	-1.11188



9 Lyndhurst Terrace, London
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 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1511	-6.00000	-4.00000	99.75000	0.00000	0.00000	-1.09911
1		1512	-5.00000	-4.00000	99.75000	0.00000	0.00000	-0.95155
1		1513	-4.00000	-4.00000	99.75000	0.00000	0.00000	-0.80969
1		1514	-3.00000	-4.00000	99.75000	0.00000	0.00000	-0.68696
1		1515	-2.00000	-4.00000	99.75000	0.00000	0.00000	-0.58424
1		1516	-1.00000	-4.00000	99.75000	0.00000	0.00000	-0.49913
1		1517	0.00000	-4.00000	99.75000	0.00000	0.00000	-0.42865
1		1518	-40.00000	-3.00000	99.75000	0.00000	0.00000	0.37011
1		1519	-39.00000	-3.00000	99.75000	0.00000	0.00000	0.44548
1		1520	-38.00000	-3.00000	99.75000	0.00000	0.00000	0.54813
1		1521	-37.00000	-3.00000	99.75000	0.00000	0.00000	0.69640
1		1522	-36.00000	-3.00000	99.75000	0.00000	0.00000	0.92968
1		1523	-35.00000	-3.00000	99.75000	0.00000	0.00000	1.34770
1		1524	-34.00000	-3.00000	99.75000	0.00000	0.00000	2.28393
1		1525	-33.00000	-3.00000	99.75000	0.00000	0.00000	6.28685
1		1526	-32.00000	-3.00000	99.75000	0.00000	0.00000	11.69974
1		1527	-31.00000	-3.00000	99.75000	0.00000	0.00000	7.34832
1		1528	-30.00000	-3.00000	99.75000	0.00000	0.00000	3.64616
1		1529	-29.00000	-3.00000	99.75000	0.00000	0.00000	2.78069
1		1530	-28.00000	-3.00000	99.75000	0.00000	0.00000	2.35175
1		1531	-27.00000	-3.00000	99.75000	0.00000	0.00000	2.04992
1		1532	-26.00000	-3.00000	99.75000	0.00000	0.00000	1.56471
1		1533	-25.00000	-3.00000	99.75000	0.00000	0.00000	-0.72314
1		1534	-24.00000	-3.00000	99.75000	0.00000	0.00000	-0.40997
1		1535	-23.00000	-3.00000	99.75000	0.00000	0.00000	2.59260



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1536	-22.00000	-3.00000	99.75000	0.00000	0.00000	3.82265
1		1537	-21.00000	-3.00000	99.75000	0.00000	0.00000	4.56267
1		1538	-20.00000	-3.00000	99.75000	0.00000	0.00000	6.93283
1		1539	-19.00000	-3.00000	99.75000	0.00000	0.00000	6.16560
1		1540	-18.00000	-3.00000	99.75000	0.00000	0.00000	6.66429
1		1541	-17.00000	-3.00000	99.75000	0.00000	0.00000	5.98652
1		1542	-16.00000	-3.00000	99.75000	0.00000	0.00000	3.58956
1		1543	-15.00000	-3.00000	99.75000	0.00000	0.00000	2.57081
1		1544	-14.00000	-3.00000	99.75000	0.00000	0.00000	2.01693
1		1545	-13.00000	-3.00000	99.75000	0.00000	0.00000	1.64639
1		1546	-12.00000	-3.00000	99.75000	0.00000	0.00000	1.35219
1		1547	-11.00000	-3.00000	99.75000	0.00000	0.00000	1.19103
1		1548	-10.00000	-3.00000	99.75000	0.00000	0.00000	0.31572
1		1549	-9.00000	-3.00000	99.75000	0.00000	0.00000	-1.48109
1		1550	-8.00000	-3.00000	99.75000	0.00000	0.00000	-2.45581
1		1551	-7.00000	-3.00000	99.75000	0.00000	0.00000	-2.35335
1		1552	-6.00000	-3.00000	99.75000	0.00000	0.00000	-1.65453
1		1553	-5.00000	-3.00000	99.75000	0.00000	0.00000	-1.27633
1		1554	-4.00000	-3.00000	99.75000	0.00000	0.00000	-1.01711
1		1555	-3.00000	-3.00000	99.75000	0.00000	0.00000	-0.82639
1		1556	-2.00000	-3.00000	99.75000	0.00000	0.00000	-0.68159
1		1557	-1.00000	-3.00000	99.75000	0.00000	0.00000	-0.56912
1		1558	0.00000	-3.00000	99.75000	0.00000	0.00000	-0.48018
1		1559	-40.00000	-2.00000	99.75000	0.00000	0.00000	0.37491



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1560	-39.00000	-2.00000	99.75000	0.00000	0.00000	0.44883
1		1561	-38.00000	-2.00000	99.75000	0.00000	0.00000	0.54704
1		1562	-37.00000	-2.00000	99.75000	0.00000	0.00000	0.68391
1		1563	-36.00000	-2.00000	99.75000	0.00000	0.00000	0.88857
1		1564	-35.00000	-2.00000	99.75000	0.00000	0.00000	1.22804
1		1565	-34.00000	-2.00000	99.75000	0.00000	0.00000	1.88313
1		1566	-33.00000	-2.00000	99.75000	0.00000	0.00000	3.41493
1		1567	-32.00000	-2.00000	99.75000	0.00000	0.00000	5.44787
1		1568	-31.00000	-2.00000	99.75000	0.00000	0.00000	2.39894
1		1569	-30.00000	-2.00000	99.75000	0.00000	0.00000	0.69753
1		1570	-29.00000	-2.00000	99.75000	0.00000	0.00000	-0.06095
1		1571	-28.00000	-2.00000	99.75000	0.00000	0.00000	-0.50672
1		1572	-27.00000	-2.00000	99.75000	0.00000	0.00000	-0.86401
1		1573	-26.00000	-2.00000	99.75000	0.00000	0.00000	-1.50391
1		1574	-25.00000	-2.00000	99.75000	0.00000	0.00000	-4.08643
1		1575	-24.00000	-2.00000	99.75000	0.00000	0.00000	-3.81986
1		1576	-23.00000	-2.00000	99.75000	0.00000	0.00000	-0.65228
1		1577	-22.00000	-2.00000	99.75000	0.00000	0.00000	1.46411
1		1578	-21.00000	-2.00000	99.75000	0.00000	0.00000	3.64816
1		1579	-20.00000	-2.00000	99.75000	0.00000	0.00000	8.89000
1		1580	-19.00000	-2.00000	99.75000	0.00000	0.00000	8.52534
1		1581	-18.00000	-2.00000	99.75000	0.00000	0.00000	8.92686
1		1582	-17.00000	-2.00000	99.75000	0.00000	0.00000	8.01112
1		1583	-16.00000	-2.00000	99.75000	0.00000	0.00000	2.32001
1		1584	-15.00000	-2.00000	99.75000	0.00000	0.00000	0.85870



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1585	-14.00000	-2.00000	99.75000	0.00000	0.00000	0.20995
1		1586	-13.00000	-2.00000	99.75000	0.00000	0.00000	-0.19142
1		1587	-12.00000	-2.00000	99.75000	0.00000	0.00000	-0.49411
1		1588	-11.00000	-2.00000	99.75000	0.00000	0.00000	-0.56508
1		1589	-10.00000	-2.00000	99.75000	0.00000	0.00000	-1.27044
1		1590	-9.00000	-2.00000	99.75000	0.00000	0.00000	-3.02483
1		1591	-8.00000	-2.00000	99.75000	0.00000	0.00000	-4.02742
1		1592	-7.00000	-2.00000	99.75000	0.00000	0.00000	-4.31761
1		1593	-6.00000	-2.00000	99.75000	0.00000	0.00000	-2.48128
1		1594	-5.00000	-2.00000	99.75000	0.00000	0.00000	-1.67615
1		1595	-4.00000	-2.00000	99.75000	0.00000	0.00000	-1.24821
1		1596	-3.00000	-2.00000	99.75000	0.00000	0.00000	-0.97304
1		1597	-2.00000	-2.00000	99.75000	0.00000	0.00000	-0.78023
1		1598	-1.00000	-2.00000	99.75000	0.00000	0.00000	-0.63816
1		1599	0.00000	-2.00000	99.75000	0.00000	0.00000	-0.52997
1		1600	-40.00000	-1.00000	99.75000	0.00000	0.00000	0.37590
1		1601	-39.00000	-1.00000	99.75000	0.00000	0.00000	0.44646
1		1602	-38.00000	-1.00000	99.75000	0.00000	0.00000	0.53644
1		1603	-37.00000	-1.00000	99.75000	0.00000	0.00000	0.65374
1		1604	-36.00000	-1.00000	99.75000	0.00000	0.00000	0.81083
1		1605	-35.00000	-1.00000	99.75000	0.00000	0.00000	1.02662
1		1606	-34.00000	-1.00000	99.75000	0.00000	0.00000	1.31762
1		1607	-33.00000	-1.00000	99.75000	0.00000	0.00000	1.60157
1		1608	-32.00000	-1.00000	99.75000	0.00000	0.00000	1.12535



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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1609	-31.00000	-1.00000	99.75000	0.00000	0.00000	0.04649
1		1610	-30.00000	-1.00000	99.75000	0.00000	0.00000	-0.71192
1		1611	-29.00000	-1.00000	99.75000	0.00000	0.00000	-1.26090
1		1612	-28.00000	-1.00000	99.75000	0.00000	0.00000	-1.67457
1		1613	-27.00000	-1.00000	99.75000	0.00000	0.00000	-2.05878
1		1614	-26.00000	-1.00000	99.75000	0.00000	0.00000	-2.76730
1		1615	-25.00000	-1.00000	99.75000	0.00000	0.00000	-5.46595
1		1616	-24.00000	-1.00000	99.75000	0.00000	0.00000	-5.49300
1		1617	-23.00000	-1.00000	99.75000	0.00000	0.00000	-4.89733
1		1618	-22.00000	-1.00000	99.75000	0.00000	0.00000	-4.01115
1		1619	-21.00000	-1.00000	99.75000	0.00000	0.00000	-2.68121
1		1620	-20.00000	-1.00000	99.75000	0.00000	0.00000	-0.14355
1		1621	-19.00000	-1.00000	99.75000	0.00000	0.00000	-0.86368
1		1622	-18.00000	-1.00000	99.75000	0.00000	0.00000	-0.37651
1		1623	-17.00000	-1.00000	99.75000	0.00000	0.00000	-1.10174
1		1624	-16.00000	-1.00000	99.75000	0.00000	0.00000	-3.56329
1		1625	-15.00000	-1.00000	99.75000	0.00000	0.00000	-4.64368
1		1626	-14.00000	-1.00000	99.75000	0.00000	0.00000	-5.23829
1		1627	-13.00000	-1.00000	99.75000	0.00000	0.00000	-5.61184
1		1628	-12.00000	-1.00000	99.75000	0.00000	0.00000	-5.84118
1		1629	-11.00000	-1.00000	99.75000	0.00000	0.00000	-5.61509
1		1630	-10.00000	-1.00000	99.75000	0.00000	0.00000	-3.67406
1		1631	-9.00000	-1.00000	99.75000	0.00000	0.00000	-4.11307
1		1632	-8.00000	-1.00000	99.75000	0.00000	0.00000	-4.94307
1		1633	-7.00000	-1.00000	99.75000	0.00000	0.00000	-5.51746



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1634	-6.00000	-1.00000	99.75000	0.00000	0.00000	-3.38753
1		1635	-5.00000	-1.00000	99.75000	0.00000	0.00000	-2.11723
1		1636	-4.00000	-1.00000	99.75000	0.00000	0.00000	-1.47391
1		1637	-3.00000	-1.00000	99.75000	0.00000	0.00000	-1.11161
1		1638	-2.00000	-1.00000	99.75000	0.00000	0.00000	-0.87157
1		1639	-1.00000	-1.00000	99.75000	0.00000	0.00000	-0.70108
1		1640	0.00000	-1.00000	99.75000	0.00000	0.00000	-0.57473
1		1641	-40.00000	0.00000	99.75000	0.00000	0.00000	0.37484
1		1642	-39.00000	0.00000	99.75000	0.00000	0.00000	0.44205
1		1643	-38.00000	0.00000	99.75000	0.00000	0.00000	0.52434
1		1644	-37.00000	0.00000	99.75000	0.00000	0.00000	0.62409
1		1645	-36.00000	0.00000	99.75000	0.00000	0.00000	0.74101
1		1646	-35.00000	0.00000	99.75000	0.00000	0.00000	0.86485
1		1647	-34.00000	0.00000	99.75000	0.00000	0.00000	0.95394
1		1648	-33.00000	0.00000	99.75000	0.00000	0.00000	0.87625
1		1649	-32.00000	0.00000	99.75000	0.00000	0.00000	0.09596
1		1650	-31.00000	0.00000	99.75000	0.00000	0.00000	-0.88819
1		1651	-30.00000	0.00000	99.75000	0.00000	0.00000	-1.43886
1		1652	-29.00000	0.00000	99.75000	0.00000	0.00000	-1.88407
1		1653	-28.00000	0.00000	99.75000	0.00000	0.00000	-2.27216
1		1654	-27.00000	0.00000	99.75000	0.00000	0.00000	-2.67308
1		1655	-26.00000	0.00000	99.75000	0.00000	0.00000	-3.43158
1		1656	-25.00000	0.00000	99.75000	0.00000	0.00000	-6.22389
1		1657	-24.00000	0.00000	99.75000	0.00000	0.00000	-6.44847



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J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1658	-23.00000	0.00000	99.75000	0.00000	0.00000	-6.23239
1		1659	-22.00000	0.00000	99.75000	0.00000	0.00000	-5.78120
1		1660	-21.00000	0.00000	99.75000	0.00000	0.00000	-5.17885
1		1661	-20.00000	0.00000	99.75000	0.00000	0.00000	-4.62682
1		1662	-19.00000	0.00000	99.75000	0.00000	0.00000	-4.47101
1		1663	-18.00000	0.00000	99.75000	0.00000	0.00000	-4.61869
1		1664	-17.00000	0.00000	99.75000	0.00000	0.00000	-5.11505
1		1665	-16.00000	0.00000	99.75000	0.00000	0.00000	-5.89503
1		1666	-15.00000	0.00000	99.75000	0.00000	0.00000	-6.58533
1		1667	-14.00000	0.00000	99.75000	0.00000	0.00000	-7.08271
1		1668	-13.00000	0.00000	99.75000	0.00000	0.00000	-7.40764
1		1669	-12.00000	0.00000	99.75000	0.00000	0.00000	-7.55425
1		1670	-11.00000	0.00000	99.75000	0.00000	0.00000	-7.12814
1		1671	-10.00000	0.00000	99.75000	0.00000	0.00000	-4.80356
1		1672	-9.00000	0.00000	99.75000	0.00000	0.00000	-4.89003
1		1673	-8.00000	0.00000	99.75000	0.00000	0.00000	-5.56043
1		1674	-7.00000	0.00000	99.75000	0.00000	0.00000	-6.09244
1		1675	-6.00000	0.00000	99.75000	0.00000	0.00000	-3.87208
1		1676	-5.00000	0.00000	99.75000	0.00000	0.00000	-2.42835
1		1677	-4.00000	0.00000	99.75000	0.00000	0.00000	-1.65437
1		1678	-3.00000	0.00000	99.75000	0.00000	0.00000	-1.22487
1		1679	-2.00000	0.00000	99.75000	0.00000	0.00000	-0.94648
1		1680	-1.00000	0.00000	99.75000	0.00000	0.00000	-0.75253
1		1681	0.00000	0.00000	99.75000	0.00000	0.00000	-0.61116
1		1682	-40.00000	1.00000	99.75000	0.00000	0.00000	0.37325



9 Lyndhurst Terrace, London
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1683	-39.00000	1.00000	99.75000	0.00000	0.00000	0.43883
1		1684	-38.00000	1.00000	99.75000	0.00000	0.00000	0.51762
1		1685	-37.00000	1.00000	99.75000	0.00000	0.00000	0.60980
1		1686	-36.00000	1.00000	99.75000	0.00000	0.00000	0.71034
1		1687	-35.00000	1.00000	99.75000	0.00000	0.00000	0.80008
1		1688	-34.00000	1.00000	99.75000	0.00000	0.00000	0.82597
1		1689	-33.00000	1.00000	99.75000	0.00000	0.00000	0.66004
1		1690	-32.00000	1.00000	99.75000	0.00000	0.00000	-0.18611
1		1691	-31.00000	1.00000	99.75000	0.00000	0.00000	-1.16911
1		1692	-30.00000	1.00000	99.75000	0.00000	0.00000	-1.68445
1		1693	-29.00000	1.00000	99.75000	0.00000	0.00000	-2.10596
1		1694	-28.00000	1.00000	99.75000	0.00000	0.00000	-2.49199
1		1695	-27.00000	1.00000	99.75000	0.00000	0.00000	-2.90940
1		1696	-26.00000	1.00000	99.75000	0.00000	0.00000	-3.70427
1		1697	-25.00000	1.00000	99.75000	0.00000	0.00000	-6.55669
1		1698	-24.00000	1.00000	99.75000	0.00000	0.00000	-6.88020
1		1699	-23.00000	1.00000	99.75000	0.00000	0.00000	-6.80310
1		1700	-22.00000	1.00000	99.75000	0.00000	0.00000	-6.50787
1		1701	-21.00000	1.00000	99.75000	0.00000	0.00000	-6.08901
1		1702	-20.00000	1.00000	99.75000	0.00000	0.00000	-5.72686
1		1703	-19.00000	1.00000	99.75000	0.00000	0.00000	-5.62942
1		1704	-18.00000	1.00000	99.75000	0.00000	0.00000	-5.82236
1		1705	-17.00000	1.00000	99.75000	0.00000	0.00000	-6.29715
1		1706	-16.00000	1.00000	99.75000	0.00000	0.00000	-6.95709



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1707	-15.00000	1.00000	99.75000	0.00000	0.00000	-7.58141
1		1708	-14.00000	1.00000	99.75000	0.00000	0.00000	-8.05530
1		1709	-13.00000	1.00000	99.75000	0.00000	0.00000	-8.35734
1		1710	-12.00000	1.00000	99.75000	0.00000	0.00000	-8.45438
1		1711	-11.00000	1.00000	99.75000	0.00000	0.00000	-7.92924
1		1712	-10.00000	1.00000	99.75000	0.00000	0.00000	-5.46112
1		1713	-9.00000	1.00000	99.75000	0.00000	0.00000	-5.40157
1		1714	-8.00000	1.00000	99.75000	0.00000	0.00000	-5.96629
1		1715	-7.00000	1.00000	99.75000	0.00000	0.00000	-6.43128
1		1716	-6.00000	1.00000	99.75000	0.00000	0.00000	-4.13859
1		1717	-5.00000	1.00000	99.75000	0.00000	0.00000	-2.59915
1		1718	-4.00000	1.00000	99.75000	0.00000	0.00000	-1.76693
1		1719	-3.00000	1.00000	99.75000	0.00000	0.00000	-1.30033
1		1720	-2.00000	1.00000	99.75000	0.00000	0.00000	-0.99768
1		1721	-1.00000	1.00000	99.75000	0.00000	0.00000	-0.78804
1		1722	0.00000	1.00000	99.75000	0.00000	0.00000	-0.63643
1		1723	-40.00000	2.00000	99.75000	0.00000	0.00000	0.37180
1		1724	-39.00000	2.00000	99.75000	0.00000	0.00000	0.43818
1		1725	-38.00000	2.00000	99.75000	0.00000	0.00000	0.51915
1		1726	-37.00000	2.00000	99.75000	0.00000	0.00000	0.61669
1		1727	-36.00000	2.00000	99.75000	0.00000	0.00000	0.72954
1		1728	-35.00000	2.00000	99.75000	0.00000	0.00000	0.84569
1		1729	-34.00000	2.00000	99.75000	0.00000	0.00000	0.92087
1		1730	-33.00000	2.00000	99.75000	0.00000	0.00000	0.82309
1		1731	-32.00000	2.00000	99.75000	0.00000	0.00000	0.02581



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1732	-31.00000	2.00000	99.75000	0.00000	0.00000	-0.96300
1		1733	-30.00000	2.00000	99.75000	0.00000	0.00000	-1.51442
1		1734	-29.00000	2.00000	99.75000	0.00000	0.00000	-1.96748
1		1735	-28.00000	2.00000	99.75000	0.00000	0.00000	-2.37472
1		1736	-27.00000	2.00000	99.75000	0.00000	0.00000	-2.81002
1		1737	-26.00000	2.00000	99.75000	0.00000	0.00000	-3.62795
1		1738	-25.00000	2.00000	99.75000	0.00000	0.00000	-6.51042
1		1739	-24.00000	2.00000	99.75000	0.00000	0.00000	-6.87293
1		1740	-23.00000	2.00000	99.75000	0.00000	0.00000	-6.82709
1		1741	-22.00000	2.00000	99.75000	0.00000	0.00000	-6.49976
1		1742	-21.00000	2.00000	99.75000	0.00000	0.00000	-5.86181
1		1743	-20.00000	2.00000	99.75000	0.00000	0.00000	-5.12354
1		1744	-19.00000	2.00000	99.75000	0.00000	0.00000	-5.09951
1		1745	-18.00000	2.00000	99.75000	0.00000	0.00000	-5.32469
1		1746	-17.00000	2.00000	99.75000	0.00000	0.00000	-6.00497
1		1747	-16.00000	2.00000	99.75000	0.00000	0.00000	-7.14185
1		1748	-15.00000	2.00000	99.75000	0.00000	0.00000	-7.99376
1		1749	-14.00000	2.00000	99.75000	0.00000	0.00000	-8.54441
1		1750	-13.00000	2.00000	99.75000	0.00000	0.00000	-8.86628
1		1751	-12.00000	2.00000	99.75000	0.00000	0.00000	-8.95465
1		1752	-11.00000	2.00000	99.75000	0.00000	0.00000	-8.39476
1		1753	-10.00000	2.00000	99.75000	0.00000	0.00000	-5.86990
1		1754	-9.00000	2.00000	99.75000	0.00000	0.00000	-5.73397
1		1755	-8.00000	2.00000	99.75000	0.00000	0.00000	-6.21802



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1		1756	-7.00000	2.00000	99.75000	0.00000	0.00000	-6.64347
1		1757	-6.00000	2.00000	99.75000	0.00000	0.00000	-4.42202
1		1758	-5.00000	2.00000	99.75000	0.00000	0.00000	-2.55760
1		1759	-4.00000	2.00000	99.75000	0.00000	0.00000	-1.80703
1		1760	-3.00000	2.00000	99.75000	0.00000	0.00000	-1.33293
1		1761	-2.00000	2.00000	99.75000	0.00000	0.00000	-1.02094
1		1762	-1.00000	2.00000	99.75000	0.00000	0.00000	-0.80468
1		1763	0.00000	2.00000	99.75000	0.00000	0.00000	-0.64860
1		1764	-40.00000	3.00000	99.75000	0.00000	0.00000	0.37000
1		1765	-39.00000	3.00000	99.75000	0.00000	0.00000	0.43904
1		1766	-38.00000	3.00000	99.75000	0.00000	0.00000	0.52670
1		1767	-37.00000	3.00000	99.75000	0.00000	0.00000	0.64015
1		1768	-36.00000	3.00000	99.75000	0.00000	0.00000	0.79012
1		1769	-35.00000	3.00000	99.75000	0.00000	0.00000	0.99135
1		1770	-34.00000	3.00000	99.75000	0.00000	0.00000	1.25031
1		1771	-33.00000	3.00000	99.75000	0.00000	0.00000	1.46977
1		1772	-32.00000	3.00000	99.75000	0.00000	0.00000	0.93097
1		1773	-31.00000	3.00000	99.75000	0.00000	0.00000	-0.13521
1		1774	-30.00000	3.00000	99.75000	0.00000	0.00000	-0.87271
1		1775	-29.00000	3.00000	99.75000	0.00000	0.00000	-1.43176
1		1776	-28.00000	3.00000	99.75000	0.00000	0.00000	-1.88182
1		1777	-27.00000	3.00000	99.75000	0.00000	0.00000	-2.33247
1		1778	-26.00000	3.00000	99.75000	0.00000	0.00000	-3.15826
1		1779	-25.00000	3.00000	99.75000	0.00000	0.00000	-6.04627
1		1780	-24.00000	3.00000	99.75000	0.00000	0.00000	-6.41368



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1781	-23.00000	3.00000	99.75000	0.00000	0.00000	-6.35026
1		1782	-22.00000	3.00000	99.75000	0.00000	0.00000	-5.88866
1		1783	-21.00000	3.00000	99.75000	0.00000	0.00000	-4.44447
1		1784	-20.00000	3.00000	99.75000	0.00000	0.00000	-0.40164
1		1785	-19.00000	3.00000	99.75000	0.00000	0.00000	-1.30091
1		1786	-18.00000	3.00000	99.75000	0.00000	0.00000	-0.95497
1		1787	-17.00000	3.00000	99.75000	0.00000	0.00000	-2.09100
1		1788	-16.00000	3.00000	99.75000	0.00000	0.00000	-6.73682
1		1789	-15.00000	3.00000	99.75000	0.00000	0.00000	-8.11190
1		1790	-14.00000	3.00000	99.75000	0.00000	0.00000	-8.79317
1		1791	-13.00000	3.00000	99.75000	0.00000	0.00000	-9.16323
1		1792	-12.00000	3.00000	99.75000	0.00000	0.00000	-9.28234
1		1793	-11.00000	3.00000	99.75000	0.00000	0.00000	-8.74595
1		1794	-10.00000	3.00000	99.75000	0.00000	0.00000	-6.22444
1		1795	-9.00000	3.00000	99.75000	0.00000	0.00000	-6.03904
1		1796	-8.00000	3.00000	99.75000	0.00000	0.00000	-6.38474
1		1797	-7.00000	3.00000	99.75000	0.00000	0.00000	-6.68822
1		1798	-6.00000	3.00000	99.75000	0.00000	0.00000	-4.48382
1		1799	-5.00000	3.00000	99.75000	0.00000	0.00000	-2.52210
1		1800	-4.00000	3.00000	99.75000	0.00000	0.00000	-1.79333
1		1801	-3.00000	3.00000	99.75000	0.00000	0.00000	-1.32300
1		1802	-2.00000	3.00000	99.75000	0.00000	0.00000	-1.01475
1		1803	-1.00000	3.00000	99.75000	0.00000	0.00000	-0.80120
1		1804	0.00000	3.00000	99.75000	0.00000	0.00000	-0.64683



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1805	-40.00000	4.00000	99.75000	0.00000	0.00000	0.36647
1		1806	-39.00000	4.00000	99.75000	0.00000	0.00000	0.43843
1		1807	-38.00000	4.00000	99.75000	0.00000	0.00000	0.53380
1		1808	-37.00000	4.00000	99.75000	0.00000	0.00000	0.66624
1		1809	-36.00000	4.00000	99.75000	0.00000	0.00000	0.86308
1		1810	-35.00000	4.00000	99.75000	0.00000	0.00000	1.18609
1		1811	-34.00000	4.00000	99.75000	0.00000	0.00000	1.79462
1		1812	-33.00000	4.00000	99.75000	0.00000	0.00000	3.11459
1		1813	-32.00000	4.00000	99.75000	0.00000	0.00000	4.23347
1		1814	-31.00000	4.00000	99.75000	0.00000	0.00000	1.98870
1		1815	-30.00000	4.00000	99.75000	0.00000	0.00000	0.42874
1		1816	-29.00000	4.00000	99.75000	0.00000	0.00000	-0.34142
1		1817	-28.00000	4.00000	99.75000	0.00000	0.00000	-0.83960
1		1818	-27.00000	4.00000	99.75000	0.00000	0.00000	-1.29040
1		1819	-26.00000	4.00000	99.75000	0.00000	0.00000	-2.09975
1		1820	-25.00000	4.00000	99.75000	0.00000	0.00000	-4.96628
1		1821	-24.00000	4.00000	99.75000	0.00000	0.00000	-5.32018
1		1822	-23.00000	4.00000	99.75000	0.00000	0.00000	-5.24457
1		1823	-22.00000	4.00000	99.75000	0.00000	0.00000	-4.73154
1		1824	-21.00000	4.00000	99.75000	0.00000	0.00000	-3.05848
1		1825	-20.00000	4.00000	99.75000	0.00000	0.00000	1.52409
1		1826	-19.00000	4.00000	99.75000	0.00000	0.00000	0.34171
1		1827	-18.00000	4.00000	99.75000	0.00000	0.00000	-0.11348
1		1828	-17.00000	4.00000	99.75000	0.00000	0.00000	-1.77214
1		1829	-16.00000	4.00000	99.75000	0.00000	0.00000	-7.04734



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1830	-15.00000	4.00000	99.75000	0.00000	0.00000	-8.62464
1		1831	-14.00000	4.00000	99.75000	0.00000	0.00000	-9.37174
1		1832	-13.00000	4.00000	99.75000	0.00000	0.00000	-9.78682
1		1833	-12.00000	4.00000	99.75000	0.00000	0.00000	-9.98214
1		1834	-11.00000	4.00000	99.75000	0.00000	0.00000	-9.57482
1		1835	-10.00000	4.00000	99.75000	0.00000	0.00000	-7.16062
1		1836	-9.00000	4.00000	99.75000	0.00000	0.00000	-6.96142
1		1837	-8.00000	4.00000	99.75000	0.00000	0.00000	-6.84972
1		1838	-7.00000	4.00000	99.75000	0.00000	0.00000	-6.41111
1		1839	-6.00000	4.00000	99.75000	0.00000	0.00000	-4.28312
1		1840	-5.00000	4.00000	99.75000	0.00000	0.00000	-2.68382
1		1841	-4.00000	4.00000	99.75000	0.00000	0.00000	-1.72308
1		1842	-3.00000	4.00000	99.75000	0.00000	0.00000	-1.26917
1		1843	-2.00000	4.00000	99.75000	0.00000	0.00000	-0.97929
1		1844	-1.00000	4.00000	99.75000	0.00000	0.00000	-0.77803
1		1845	0.00000	4.00000	99.75000	0.00000	0.00000	-0.63147
1		1846	-40.00000	5.00000	99.75000	0.00000	0.00000	0.35950
1		1847	-39.00000	5.00000	99.75000	0.00000	0.00000	0.43270
1		1848	-38.00000	5.00000	99.75000	0.00000	0.00000	0.53249
1		1849	-37.00000	5.00000	99.75000	0.00000	0.00000	0.67682
1		1850	-36.00000	5.00000	99.75000	0.00000	0.00000	0.90444
1		1851	-35.00000	5.00000	99.75000	0.00000	0.00000	1.31359
1		1852	-34.00000	5.00000	99.75000	0.00000	0.00000	2.23304
1		1853	-33.00000	5.00000	99.75000	0.00000	0.00000	6.18231



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		1854	-32.00000	5.00000	99.75000	0.00000	0.00000	11.34944
1		1855	-31.00000	5.00000	99.75000	0.00000	0.00000	6.75316
1		1856	-30.00000	5.00000	99.75000	0.00000	0.00000	3.01996
1		1857	-29.00000	5.00000	99.75000	0.00000	0.00000	2.10778
1		1858	-28.00000	5.00000	99.75000	0.00000	0.00000	1.61085
1		1859	-27.00000	5.00000	99.75000	0.00000	0.00000	1.19715
1		1860	-26.00000	5.00000	99.75000	0.00000	0.00000	0.46134
1		1861	-25.00000	5.00000	99.75000	0.00000	0.00000	-2.30863
1		1862	-24.00000	5.00000	99.75000	0.00000	0.00000	-2.62304
1		1863	-23.00000	5.00000	99.75000	0.00000	0.00000	-2.56354
1		1864	-22.00000	5.00000	99.75000	0.00000	0.00000	-2.14719
1		1865	-21.00000	5.00000	99.75000	0.00000	0.00000	-0.87310
1		1866	-20.00000	5.00000	99.75000	0.00000	0.00000	1.92535
1		1867	-19.00000	5.00000	99.75000	0.00000	0.00000	1.47504
1		1868	-18.00000	5.00000	99.75000	0.00000	0.00000	0.24586
1		1869	-17.00000	5.00000	99.75000	0.00000	0.00000	-1.36107
1		1870	-16.00000	5.00000	99.75000	0.00000	0.00000	-4.98023
1		1871	-15.00000	5.00000	99.75000	0.00000	0.00000	-6.32069
1		1872	-14.00000	5.00000	99.75000	0.00000	0.00000	-7.01244
1		1873	-13.00000	5.00000	99.75000	0.00000	0.00000	-7.44258
1		1874	-12.00000	5.00000	99.75000	0.00000	0.00000	-7.76872
1		1875	-11.00000	5.00000	99.75000	0.00000	0.00000	-7.93326
1		1876	-10.00000	5.00000	99.75000	0.00000	0.00000	-6.02231
1		1877	-9.00000	5.00000	99.75000	0.00000	0.00000	-5.86775
1		1878	-8.00000	5.00000	99.75000	0.00000	0.00000	-5.68349



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1		1879	-7.00000	5.00000	99.75000	0.00000	0.00000	-5.17712
1		1880	-6.00000	5.00000	99.75000	0.00000	0.00000	-3.54529
1		1881	-5.00000	5.00000	99.75000	0.00000	0.00000	-2.33900
1		1882	-4.00000	5.00000	99.75000	0.00000	0.00000	-1.55662
1		1883	-3.00000	5.00000	99.75000	0.00000	0.00000	-1.17089
1		1884	-2.00000	5.00000	99.75000	0.00000	0.00000	-0.91742
1		1885	-1.00000	5.00000	99.75000	0.00000	0.00000	-0.73750
1		1886	0.00000	5.00000	99.75000	0.00000	0.00000	-0.60407
1		1887	-40.00000	6.00000	99.75000	0.00000	0.00000	0.34784
1		1888	-39.00000	6.00000	99.75000	0.00000	0.00000	0.41924
1		1889	-38.00000	6.00000	99.75000	0.00000	0.00000	0.51716
1		1890	-37.00000	6.00000	99.75000	0.00000	0.00000	0.65926
1		1891	-36.00000	6.00000	99.75000	0.00000	0.00000	0.88208
1		1892	-35.00000	6.00000	99.75000	0.00000	0.00000	1.27105
1		1893	-34.00000	6.00000	99.75000	0.00000	0.00000	2.06577
1		1894	-33.00000	6.00000	99.75000	0.00000	0.00000	4.13321
1		1895	-32.00000	6.00000	99.75000	0.00000	0.00000	10.15090
1		1896	-31.00000	6.00000	99.75000	0.00000	0.00000	7.89357
1		1897	-30.00000	6.00000	99.75000	0.00000	0.00000	6.32349
1		1898	-29.00000	6.00000	99.75000	0.00000	0.00000	5.64927
1		1899	-28.00000	6.00000	99.75000	0.00000	0.00000	5.24505
1		1900	-27.00000	6.00000	99.75000	0.00000	0.00000	4.91633
1		1901	-26.00000	6.00000	99.75000	0.00000	0.00000	4.46704
1		1902	-25.00000	6.00000	99.75000	0.00000	0.00000	3.76124



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1		1903	-24.00000	6.00000	99.75000	0.00000	0.00000	3.56194
1		1904	-23.00000	6.00000	99.75000	0.00000	0.00000	3.58955
1		1905	-22.00000	6.00000	99.75000	0.00000	0.00000	3.83627
1		1906	-21.00000	6.00000	99.75000	0.00000	0.00000	4.46422
1		1907	-20.00000	6.00000	99.75000	0.00000	0.00000	6.13451
1		1908	-19.00000	6.00000	99.75000	0.00000	0.00000	5.10692
1		1909	-18.00000	6.00000	99.75000	0.00000	0.00000	4.44711
1		1910	-17.00000	6.00000	99.75000	0.00000	0.00000	3.29755
1		1911	-16.00000	6.00000	99.75000	0.00000	0.00000	1.25211
1		1912	-15.00000	6.00000	99.75000	0.00000	0.00000	0.35083
1		1913	-14.00000	6.00000	99.75000	0.00000	0.00000	-0.20337
1		1914	-13.00000	6.00000	99.75000	0.00000	0.00000	-0.59959
1		1915	-12.00000	6.00000	99.75000	0.00000	0.00000	-0.99220
1		1916	-11.00000	6.00000	99.75000	0.00000	0.00000	-2.62941
1		1917	-10.00000	6.00000	99.75000	0.00000	0.00000	-3.29436
1		1918	-9.00000	6.00000	99.75000	0.00000	0.00000	-3.32444
1		1919	-8.00000	6.00000	99.75000	0.00000	0.00000	-3.20506
1		1920	-7.00000	6.00000	99.75000	0.00000	0.00000	-2.92182
1		1921	-6.00000	6.00000	99.75000	0.00000	0.00000	-2.45903
1		1922	-5.00000	6.00000	99.75000	0.00000	0.00000	-1.65741
1		1923	-4.00000	6.00000	99.75000	0.00000	0.00000	-1.32870
1		1924	-3.00000	6.00000	99.75000	0.00000	0.00000	-1.04190
1		1925	-2.00000	6.00000	99.75000	0.00000	0.00000	-0.83656
1		1926	-1.00000	6.00000	99.75000	0.00000	0.00000	-0.68396
1		1927	0.00000	6.00000	99.75000	0.00000	0.00000	-0.56729



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1		1928	-40.00000	7.00000	99.75000	0.00000	0.00000	0.33119
1		1929	-39.00000	7.00000	99.75000	0.00000	0.00000	0.39753
1		1930	-38.00000	7.00000	99.75000	0.00000	0.00000	0.48719
1		1931	-37.00000	7.00000	99.75000	0.00000	0.00000	0.61372
1		1932	-36.00000	7.00000	99.75000	0.00000	0.00000	0.80170
1		1933	-35.00000	7.00000	99.75000	0.00000	0.00000	1.09667
1		1934	-34.00000	7.00000	99.75000	0.00000	0.00000	1.57724
1		1935	-33.00000	7.00000	99.75000	0.00000	0.00000	2.31072
1		1936	-32.00000	7.00000	99.75000	0.00000	0.00000	3.01562
1		1937	-31.00000	7.00000	99.75000	0.00000	0.00000	3.03533
1		1938	-30.00000	7.00000	99.75000	0.00000	0.00000	2.65431
1		1939	-29.00000	7.00000	99.75000	0.00000	0.00000	2.30654
1		1940	-28.00000	7.00000	99.75000	0.00000	0.00000	2.03492
1		1941	-27.00000	7.00000	99.75000	0.00000	0.00000	1.80521
1		1942	-26.00000	7.00000	99.75000	0.00000	0.00000	1.58954
1		1943	-25.00000	7.00000	99.75000	0.00000	0.00000	1.40257
1		1944	-24.00000	7.00000	99.75000	0.00000	0.00000	1.30162
1		1945	-23.00000	7.00000	99.75000	0.00000	0.00000	1.30075
1		1946	-22.00000	7.00000	99.75000	0.00000	0.00000	1.40184
1		1947	-21.00000	7.00000	99.75000	0.00000	0.00000	1.59164
1		1948	-20.00000	7.00000	99.75000	0.00000	0.00000	1.74480
1		1949	-19.00000	7.00000	99.75000	0.00000	0.00000	1.62437
1		1950	-18.00000	7.00000	99.75000	0.00000	0.00000	1.26097
1		1951	-17.00000	7.00000	99.75000	0.00000	0.00000	0.71602



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1		1952	-16.00000	7.00000	99.75000	0.00000	0.00000	0.08934
1		1953	-15.00000	7.00000	99.75000	0.00000	0.00000	-0.43574
1		1954	-14.00000	7.00000	99.75000	0.00000	0.00000	-0.83435
1		1955	-13.00000	7.00000	99.75000	0.00000	0.00000	-1.15081
1		1956	-12.00000	7.00000	99.75000	0.00000	0.00000	-1.44866
1		1957	-11.00000	7.00000	99.75000	0.00000	0.00000	-1.78703
1		1958	-10.00000	7.00000	99.75000	0.00000	0.00000	-2.03020
1		1959	-9.00000	7.00000	99.75000	0.00000	0.00000	-2.09418
1		1960	-8.00000	7.00000	99.75000	0.00000	0.00000	-2.03424
1		1961	-7.00000	7.00000	99.75000	0.00000	0.00000	-1.87543
1		1962	-6.00000	7.00000	99.75000	0.00000	0.00000	-1.63646
1		1963	-5.00000	7.00000	99.75000	0.00000	0.00000	-1.35775
1		1964	-4.00000	7.00000	99.75000	0.00000	0.00000	-1.10585
1		1965	-3.00000	7.00000	99.75000	0.00000	0.00000	-0.90470
1		1966	-2.00000	7.00000	99.75000	0.00000	0.00000	-0.74699
1		1967	-1.00000	7.00000	99.75000	0.00000	0.00000	-0.62293
1		1968	0.00000	7.00000	99.75000	0.00000	0.00000	-0.52438
1		1969	-40.00000	8.00000	99.75000	0.00000	0.00000	0.31025
1		1970	-39.00000	8.00000	99.75000	0.00000	0.00000	0.36911
1		1971	-38.00000	8.00000	99.75000	0.00000	0.00000	0.44637
1		1972	-37.00000	8.00000	99.75000	0.00000	0.00000	0.55043
1		1973	-36.00000	8.00000	99.75000	0.00000	0.00000	0.69381
1		1974	-35.00000	8.00000	99.75000	0.00000	0.00000	0.89273
1		1975	-34.00000	8.00000	99.75000	0.00000	0.00000	1.15850
1		1976	-33.00000	8.00000	99.75000	0.00000	0.00000	1.46469



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1		1977	-32.00000	8.00000	99.75000	0.00000	0.00000	1.70139
1		1978	-31.00000	8.00000	99.75000	0.00000	0.00000	1.74760
1		1979	-30.00000	8.00000	99.75000	0.00000	0.00000	1.63448
1		1980	-29.00000	8.00000	99.75000	0.00000	0.00000	1.46787
1		1981	-28.00000	8.00000	99.75000	0.00000	0.00000	1.30227
1		1982	-27.00000	8.00000	99.75000	0.00000	0.00000	1.15040
1		1983	-26.00000	8.00000	99.75000	0.00000	0.00000	1.01531
1		1984	-25.00000	8.00000	99.75000	0.00000	0.00000	0.90614
1		1985	-24.00000	8.00000	99.75000	0.00000	0.00000	0.83669
1		1986	-23.00000	8.00000	99.75000	0.00000	0.00000	0.81369
1		1987	-22.00000	8.00000	99.75000	0.00000	0.00000	0.83168
1		1988	-21.00000	8.00000	99.75000	0.00000	0.00000	0.86577
1		1989	-20.00000	8.00000	99.75000	0.00000	0.00000	0.86080
1		1990	-19.00000	8.00000	99.75000	0.00000	0.00000	0.75644
1		1991	-18.00000	8.00000	99.75000	0.00000	0.00000	0.53978
1		1992	-17.00000	8.00000	99.75000	0.00000	0.00000	0.23597
1		1993	-16.00000	8.00000	99.75000	0.00000	0.00000	-0.10588
1		1994	-15.00000	8.00000	99.75000	0.00000	0.00000	-0.42889
1		1995	-14.00000	8.00000	99.75000	0.00000	0.00000	-0.70592
1		1996	-13.00000	8.00000	99.75000	0.00000	0.00000	-0.93939
1		1997	-12.00000	8.00000	99.75000	0.00000	0.00000	-1.14280
1		1998	-11.00000	8.00000	99.75000	0.00000	0.00000	-1.31857
1		1999	-10.00000	8.00000	99.75000	0.00000	0.00000	-1.43983
1		2000	-9.00000	8.00000	99.75000	0.00000	0.00000	-1.48384



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1		2001	-8.00000	8.00000	99.75000	0.00000	0.00000	-1.45461
1		2002	-7.00000	8.00000	99.75000	0.00000	0.00000	-1.36445
1		2003	-6.00000	8.00000	99.75000	0.00000	0.00000	-1.22911
1		2004	-5.00000	8.00000	99.75000	0.00000	0.00000	-1.07096
1		2005	-4.00000	8.00000	99.75000	0.00000	0.00000	-0.91469
1		2006	-3.00000	8.00000	99.75000	0.00000	0.00000	-0.77561
1		2007	-2.00000	8.00000	99.75000	0.00000	0.00000	-0.65772
1		2008	-1.00000	8.00000	99.75000	0.00000	0.00000	-0.55968
1		2009	0.00000	8.00000	99.75000	0.00000	0.00000	-0.47859
1		2010	-40.00000	9.00000	99.75000	0.00000	0.00000	0.28639
1		2011	-39.00000	9.00000	99.75000	0.00000	0.00000	0.33664
1		2012	-38.00000	9.00000	99.75000	0.00000	0.00000	0.40020
1		2013	-37.00000	9.00000	99.75000	0.00000	0.00000	0.48138
1		2014	-36.00000	9.00000	99.75000	0.00000	0.00000	0.58501
1		2015	-35.00000	9.00000	99.75000	0.00000	0.00000	0.71415
1		2016	-34.00000	9.00000	99.75000	0.00000	0.00000	0.86417
1		2017	-33.00000	9.00000	99.75000	0.00000	0.00000	1.01306
1		2018	-32.00000	9.00000	99.75000	0.00000	0.00000	1.11976
1		2019	-31.00000	9.00000	99.75000	0.00000	0.00000	1.15000
1		2020	-30.00000	9.00000	99.75000	0.00000	0.00000	1.10754
1		2021	-29.00000	9.00000	99.75000	0.00000	0.00000	1.02293
1		2022	-28.00000	9.00000	99.75000	0.00000	0.00000	0.92340
1		2023	-27.00000	9.00000	99.75000	0.00000	0.00000	0.82395
1		2024	-26.00000	9.00000	99.75000	0.00000	0.00000	0.73272
1		2025	-25.00000	9.00000	99.75000	0.00000	0.00000	0.65628



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1		2026	-24.00000	9.00000	99.75000	0.00000	0.00000	0.59995
1		2027	-23.00000	9.00000	99.75000	0.00000	0.00000	0.56482
1		2028	-22.00000	9.00000	99.75000	0.00000	0.00000	0.54469
1		2029	-21.00000	9.00000	99.75000	0.00000	0.00000	0.52372
1		2030	-20.00000	9.00000	99.75000	0.00000	0.00000	0.47771
1		2031	-19.00000	9.00000	99.75000	0.00000	0.00000	0.38436
1		2032	-18.00000	9.00000	99.75000	0.00000	0.00000	0.23648
1		2033	-17.00000	9.00000	99.75000	0.00000	0.00000	0.04428
1		2034	-16.00000	9.00000	99.75000	0.00000	0.00000	-0.17015
1		2035	-15.00000	9.00000	99.75000	0.00000	0.00000	-0.38223
1		2036	-14.00000	9.00000	99.75000	0.00000	0.00000	-0.57538
1		2037	-13.00000	9.00000	99.75000	0.00000	0.00000	-0.74351
1		2038	-12.00000	9.00000	99.75000	0.00000	0.00000	-0.88570
1		2039	-11.00000	9.00000	99.75000	0.00000	0.00000	-0.99874
1		2040	-10.00000	9.00000	99.75000	0.00000	0.00000	-1.07425
1		2041	-9.00000	9.00000	99.75000	0.00000	0.00000	-1.10520
1		2042	-8.00000	9.00000	99.75000	0.00000	0.00000	-1.09168
1		2043	-7.00000	9.00000	99.75000	0.00000	0.00000	-1.03959
1		2044	-6.00000	9.00000	99.75000	0.00000	0.00000	-0.95854
1		2045	-5.00000	9.00000	99.75000	0.00000	0.00000	-0.86078
1		2046	-4.00000	9.00000	99.75000	0.00000	0.00000	-0.75878
1		2047	-3.00000	9.00000	99.75000	0.00000	0.00000	-0.66176
1		2048	-2.00000	9.00000	99.75000	0.00000	0.00000	-0.57443
1		2049	-1.00000	9.00000	99.75000	0.00000	0.00000	-0.49818



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1		2050	0.00000	9.00000	99.75000	0.00000	0.00000	-0.43263
1		2051	-40.00000	10.00000	99.75000	0.00000	0.00000	0.26114
1		2052	-39.00000	10.00000	99.75000	0.00000	0.00000	0.30279
1		2053	-38.00000	10.00000	99.75000	0.00000	0.00000	0.35347
1		2054	-37.00000	10.00000	99.75000	0.00000	0.00000	0.41492
1		2055	-36.00000	10.00000	99.75000	0.00000	0.00000	0.48822
1		2056	-35.00000	10.00000	99.75000	0.00000	0.00000	0.57216
1		2057	-34.00000	10.00000	99.75000	0.00000	0.00000	0.66081
1		2058	-33.00000	10.00000	99.75000	0.00000	0.00000	0.74148
1		2059	-32.00000	10.00000	99.75000	0.00000	0.00000	0.79710
1		2060	-31.00000	10.00000	99.75000	0.00000	0.00000	0.81505
1		2061	-30.00000	10.00000	99.75000	0.00000	0.00000	0.79523
1		2062	-29.00000	10.00000	99.75000	0.00000	0.00000	0.74807
1		2063	-28.00000	10.00000	99.75000	0.00000	0.00000	0.68630
1		2064	-27.00000	10.00000	99.75000	0.00000	0.00000	0.61985
1		2065	-26.00000	10.00000	99.75000	0.00000	0.00000	0.55553
1		2066	-25.00000	10.00000	99.75000	0.00000	0.00000	0.49797
1		2067	-24.00000	10.00000	99.75000	0.00000	0.00000	0.44974
1		2068	-23.00000	10.00000	99.75000	0.00000	0.00000	0.41039
1		2069	-22.00000	10.00000	99.75000	0.00000	0.00000	0.37543
1		2070	-21.00000	10.00000	99.75000	0.00000	0.00000	0.33605
1		2071	-20.00000	10.00000	99.75000	0.00000	0.00000	0.28096
1		2072	-19.00000	10.00000	99.75000	0.00000	0.00000	0.20063
1		2073	-18.00000	10.00000	99.75000	0.00000	0.00000	0.09193
1		2074	-17.00000	10.00000	99.75000	0.00000	0.00000	-0.04046



9 Lyndhurst Terrace, London
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J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2075	-16.00000	10.00000	99.75000	0.00000	0.00000	-0.18598
1		2076	-15.00000	10.00000	99.75000	0.00000	0.00000	-0.33233
1		2077	-14.00000	10.00000	99.75000	0.00000	0.00000	-0.46944
1		2078	-13.00000	10.00000	99.75000	0.00000	0.00000	-0.59104
1		2079	-12.00000	10.00000	99.75000	0.00000	0.00000	-0.69335
1		2080	-11.00000	10.00000	99.75000	0.00000	0.00000	-0.77298
1		2081	-10.00000	10.00000	99.75000	0.00000	0.00000	-0.82612
1		2082	-9.00000	10.00000	99.75000	0.00000	0.00000	-0.85017
1		2083	-8.00000	10.00000	99.75000	0.00000	0.00000	-0.84538
1		2084	-7.00000	10.00000	99.75000	0.00000	0.00000	-0.81504
1		2085	-6.00000	10.00000	99.75000	0.00000	0.00000	-0.76481
1		2086	-5.00000	10.00000	99.75000	0.00000	0.00000	-0.70176
1		2087	-4.00000	10.00000	99.75000	0.00000	0.00000	-0.63302
1		2088	-3.00000	10.00000	99.75000	0.00000	0.00000	-0.56440
1		2089	-2.00000	10.00000	99.75000	0.00000	0.00000	-0.49969
1		2090	-1.00000	10.00000	99.75000	0.00000	0.00000	-0.44082
1		2091	0.00000	10.00000	99.75000	0.00000	0.00000	-0.38841
1		2092	-40.00000	11.00000	99.75000	0.00000	0.00000	0.23584
1		2093	-39.00000	11.00000	99.75000	0.00000	0.00000	0.26967
1		2094	-38.00000	11.00000	99.75000	0.00000	0.00000	0.30930
1		2095	-37.00000	11.00000	99.75000	0.00000	0.00000	0.35515
1		2096	-36.00000	11.00000	99.75000	0.00000	0.00000	0.40682
1		2097	-35.00000	11.00000	99.75000	0.00000	0.00000	0.46226
1		2098	-34.00000	11.00000	99.75000	0.00000	0.00000	0.51701



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2099	-33.00000	11.00000	99.75000	0.00000	0.00000	0.56405
1		2100	-32.00000	11.00000	99.75000	0.00000	0.00000	0.59546
1		2101	-31.00000	11.00000	99.75000	0.00000	0.00000	0.60573
1		2102	-30.00000	11.00000	99.75000	0.00000	0.00000	0.59433
1		2103	-29.00000	11.00000	99.75000	0.00000	0.00000	0.56533
1		2104	-28.00000	11.00000	99.75000	0.00000	0.00000	0.52487
1		2105	-27.00000	11.00000	99.75000	0.00000	0.00000	0.47877
1		2106	-26.00000	11.00000	99.75000	0.00000	0.00000	0.43158
1		2107	-25.00000	11.00000	99.75000	0.00000	0.00000	0.38640
1		2108	-24.00000	11.00000	99.75000	0.00000	0.00000	0.34466
1		2109	-23.00000	11.00000	99.75000	0.00000	0.00000	0.30580
1		2110	-22.00000	11.00000	99.75000	0.00000	0.00000	0.26707
1		2111	-21.00000	11.00000	99.75000	0.00000	0.00000	0.22374
1		2112	-20.00000	11.00000	99.75000	0.00000	0.00000	0.17033
1		2113	-19.00000	11.00000	99.75000	0.00000	0.00000	0.10254
1		2114	-18.00000	11.00000	99.75000	0.00000	0.00000	0.01913
1		2115	-17.00000	11.00000	99.75000	0.00000	0.00000	-0.07740
1		2116	-16.00000	11.00000	99.75000	0.00000	0.00000	-0.18154
1		2117	-15.00000	11.00000	99.75000	0.00000	0.00000	-0.28652
1		2118	-14.00000	11.00000	99.75000	0.00000	0.00000	-0.38609
1		2119	-13.00000	11.00000	99.75000	0.00000	0.00000	-0.47538
1		2120	-12.00000	11.00000	99.75000	0.00000	0.00000	-0.55083
1		2121	-11.00000	11.00000	99.75000	0.00000	0.00000	-0.60964
1		2122	-10.00000	11.00000	99.75000	0.00000	0.00000	-0.64958
1		2123	-9.00000	11.00000	99.75000	0.00000	0.00000	-0.66947



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2124	-8.00000	11.00000	99.75000	0.00000	0.00000	-0.66966
1		2125	-7.00000	11.00000	99.75000	0.00000	0.00000	-0.65218
1		2126	-6.00000	11.00000	99.75000	0.00000	0.00000	-0.62045
1		2127	-5.00000	11.00000	99.75000	0.00000	0.00000	-0.57873
1		2128	-4.00000	11.00000	99.75000	0.00000	0.00000	-0.53140
1		2129	-3.00000	11.00000	99.75000	0.00000	0.00000	-0.48225
1		2130	-2.00000	11.00000	99.75000	0.00000	0.00000	-0.43411
1		2131	-1.00000	11.00000	99.75000	0.00000	0.00000	-0.38875
1		2132	0.00000	11.00000	99.75000	0.00000	0.00000	-0.34710
1		2133	-40.00000	12.00000	99.75000	0.00000	0.00000	0.21149
1		2134	-39.00000	12.00000	99.75000	0.00000	0.00000	0.23860
1		2135	-38.00000	12.00000	99.75000	0.00000	0.00000	0.26927
1		2136	-37.00000	12.00000	99.75000	0.00000	0.00000	0.30332
1		2137	-36.00000	12.00000	99.75000	0.00000	0.00000	0.33992
1		2138	-35.00000	12.00000	99.75000	0.00000	0.00000	0.37725
1		2139	-34.00000	12.00000	99.75000	0.00000	0.00000	0.41230
1		2140	-33.00000	12.00000	99.75000	0.00000	0.00000	0.44110
1		2141	-32.00000	12.00000	99.75000	0.00000	0.00000	0.45962
1		2142	-31.00000	12.00000	99.75000	0.00000	0.00000	0.46516
1		2143	-30.00000	12.00000	99.75000	0.00000	0.00000	0.45725
1		2144	-29.00000	12.00000	99.75000	0.00000	0.00000	0.43767
1		2145	-28.00000	12.00000	99.75000	0.00000	0.00000	0.40949
1		2146	-27.00000	12.00000	99.75000	0.00000	0.00000	0.37602
1		2147	-26.00000	12.00000	99.75000	0.00000	0.00000	0.34008



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1		2148	-25.00000	12.00000	99.75000	0.00000	0.00000	0.30364
1		2149	-24.00000	12.00000	99.75000	0.00000	0.00000	0.26758
1		2150	-23.00000	12.00000	99.75000	0.00000	0.00000	0.23157
1		2151	-22.00000	12.00000	99.75000	0.00000	0.00000	0.19405
1		2152	-21.00000	12.00000	99.75000	0.00000	0.00000	0.15257
1		2153	-20.00000	12.00000	99.75000	0.00000	0.00000	0.10442
1		2154	-19.00000	12.00000	99.75000	0.00000	0.00000	0.04768
1		2155	-18.00000	12.00000	99.75000	0.00000	0.00000	-0.01804
1		2156	-17.00000	12.00000	99.75000	0.00000	0.00000	-0.09119
1		2157	-16.00000	12.00000	99.75000	0.00000	0.00000	-0.16862
1		2158	-15.00000	12.00000	99.75000	0.00000	0.00000	-0.24634
1		2159	-14.00000	12.00000	99.75000	0.00000	0.00000	-0.32034
1		2160	-13.00000	12.00000	99.75000	0.00000	0.00000	-0.38715
1		2161	-12.00000	12.00000	99.75000	0.00000	0.00000	-0.44400
1		2162	-11.00000	12.00000	99.75000	0.00000	0.00000	-0.48875
1		2163	-10.00000	12.00000	99.75000	0.00000	0.00000	-0.51993
1		2164	-9.00000	12.00000	99.75000	0.00000	0.00000	-0.53687
1		2165	-8.00000	12.00000	99.75000	0.00000	0.00000	-0.53984
1		2166	-7.00000	12.00000	99.75000	0.00000	0.00000	-0.53016
1		2167	-6.00000	12.00000	99.75000	0.00000	0.00000	-0.50997
1		2168	-5.00000	12.00000	99.75000	0.00000	0.00000	-0.48193
1		2169	-4.00000	12.00000	99.75000	0.00000	0.00000	-0.44884
1		2170	-3.00000	12.00000	99.75000	0.00000	0.00000	-0.41327
1		2171	-2.00000	12.00000	99.75000	0.00000	0.00000	-0.37725
1		2172	-1.00000	12.00000	99.75000	0.00000	0.00000	-0.34228



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1		2173	0.00000	12.00000	99.75000	0.00000	0.00000	-0.30928
1		2174	-40.00000	13.00000	99.75000	0.00000	0.00000	0.18872
1		2175	-39.00000	13.00000	99.75000	0.00000	0.00000	0.21026
1		2176	-38.00000	13.00000	99.75000	0.00000	0.00000	0.23388
1		2177	-37.00000	13.00000	99.75000	0.00000	0.00000	0.25918
1		2178	-36.00000	13.00000	99.75000	0.00000	0.00000	0.28532
1		2179	-35.00000	13.00000	99.75000	0.00000	0.00000	0.31091
1		2180	-34.00000	13.00000	99.75000	0.00000	0.00000	0.33395
1		2181	-33.00000	13.00000	99.75000	0.00000	0.00000	0.35212
1		2182	-32.00000	13.00000	99.75000	0.00000	0.00000	0.36323
1		2183	-31.00000	13.00000	99.75000	0.00000	0.00000	0.36578
1		2184	-30.00000	13.00000	99.75000	0.00000	0.00000	0.35946
1		2185	-29.00000	13.00000	99.75000	0.00000	0.00000	0.34509
1		2186	-28.00000	13.00000	99.75000	0.00000	0.00000	0.32427
1		2187	-27.00000	13.00000	99.75000	0.00000	0.00000	0.29886
1		2188	-26.00000	13.00000	99.75000	0.00000	0.00000	0.27056
1		2189	-25.00000	13.00000	99.75000	0.00000	0.00000	0.24060
1		2190	-24.00000	13.00000	99.75000	0.00000	0.00000	0.20956
1		2191	-23.00000	13.00000	99.75000	0.00000	0.00000	0.17732
1		2192	-22.00000	13.00000	99.75000	0.00000	0.00000	0.14306
1		2193	-21.00000	13.00000	99.75000	0.00000	0.00000	0.10557
1		2194	-20.00000	13.00000	99.75000	0.00000	0.00000	0.06355
1		2195	-19.00000	13.00000	99.75000	0.00000	0.00000	0.01618
1		2196	-18.00000	13.00000	99.75000	0.00000	0.00000	-0.03651



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1		2197	-17.00000	13.00000	99.75000	0.00000	0.00000	-0.09346
1		2198	-16.00000	13.00000	99.75000	0.00000	0.00000	-0.15271
1		2199	-15.00000	13.00000	99.75000	0.00000	0.00000	-0.21175
1		2200	-14.00000	13.00000	99.75000	0.00000	0.00000	-0.26797
1		2201	-13.00000	13.00000	99.75000	0.00000	0.00000	-0.31893
1		2202	-12.00000	13.00000	99.75000	0.00000	0.00000	-0.36261
1		2203	-11.00000	13.00000	99.75000	0.00000	0.00000	-0.39743
1		2204	-10.00000	13.00000	99.75000	0.00000	0.00000	-0.42237
1		2205	-9.00000	13.00000	99.75000	0.00000	0.00000	-0.43696
1		2206	-8.00000	13.00000	99.75000	0.00000	0.00000	-0.44139
1		2207	-7.00000	13.00000	99.75000	0.00000	0.00000	-0.43652
1		2208	-6.00000	13.00000	99.75000	0.00000	0.00000	-0.42372
1		2209	-5.00000	13.00000	99.75000	0.00000	0.00000	-0.40470
1		2210	-4.00000	13.00000	99.75000	0.00000	0.00000	-0.38133
1		2211	-3.00000	13.00000	99.75000	0.00000	0.00000	-0.35536
1		2212	-2.00000	13.00000	99.75000	0.00000	0.00000	-0.32828
1		2213	-1.00000	13.00000	99.75000	0.00000	0.00000	-0.30127
1		2214	0.00000	13.00000	99.75000	0.00000	0.00000	-0.27514
1		2215	-40.00000	14.00000	99.75000	0.00000	0.00000	0.16785
1		2216	-39.00000	14.00000	99.75000	0.00000	0.00000	0.18488
1		2217	-38.00000	14.00000	99.75000	0.00000	0.00000	0.20304
1		2218	-37.00000	14.00000	99.75000	0.00000	0.00000	0.22190
1		2219	-36.00000	14.00000	99.75000	0.00000	0.00000	0.24073
1		2220	-35.00000	14.00000	99.75000	0.00000	0.00000	0.25851
1		2221	-34.00000	14.00000	99.75000	0.00000	0.00000	0.27393



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1		2222	-33.00000	14.00000	99.75000	0.00000	0.00000	0.28558
1		2223	-32.00000	14.00000	99.75000	0.00000	0.00000	0.29215
1		2224	-31.00000	14.00000	99.75000	0.00000	0.00000	0.29280
1		2225	-30.00000	14.00000	99.75000	0.00000	0.00000	0.28729
1		2226	-29.00000	14.00000	99.75000	0.00000	0.00000	0.27600
1		2227	-28.00000	14.00000	99.75000	0.00000	0.00000	0.25979
1		2228	-27.00000	14.00000	99.75000	0.00000	0.00000	0.23973
1		2229	-26.00000	14.00000	99.75000	0.00000	0.00000	0.21682
1		2230	-25.00000	14.00000	99.75000	0.00000	0.00000	0.19184
1		2231	-24.00000	14.00000	99.75000	0.00000	0.00000	0.16519
1		2232	-23.00000	14.00000	99.75000	0.00000	0.00000	0.13687
1		2233	-22.00000	14.00000	99.75000	0.00000	0.00000	0.10652
1		2234	-21.00000	14.00000	99.75000	0.00000	0.00000	0.07357
1		2235	-20.00000	14.00000	99.75000	0.00000	0.00000	0.03746
1		2236	-19.00000	14.00000	99.75000	0.00000	0.00000	-0.00209
1		2237	-18.00000	14.00000	99.75000	0.00000	0.00000	-0.04486
1		2238	-17.00000	14.00000	99.75000	0.00000	0.00000	-0.09007
1		2239	-16.00000	14.00000	99.75000	0.00000	0.00000	-0.13642
1		2240	-15.00000	14.00000	99.75000	0.00000	0.00000	-0.18226
1		2241	-14.00000	14.00000	99.75000	0.00000	0.00000	-0.22582
1		2242	-13.00000	14.00000	99.75000	0.00000	0.00000	-0.26540
1		2243	-12.00000	14.00000	99.75000	0.00000	0.00000	-0.29957
1		2244	-11.00000	14.00000	99.75000	0.00000	0.00000	-0.32717
1		2245	-10.00000	14.00000	99.75000	0.00000	0.00000	-0.34746



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1		2246	-9.00000	14.00000	99.75000	0.00000	0.00000	-0.36009
1		2247	-8.00000	14.00000	99.75000	0.00000	0.00000	-0.36519
1		2248	-7.00000	14.00000	99.75000	0.00000	0.00000	-0.36330
1		2249	-6.00000	14.00000	99.75000	0.00000	0.00000	-0.35531
1		2250	-5.00000	14.00000	99.75000	0.00000	0.00000	-0.34238
1		2251	-4.00000	14.00000	99.75000	0.00000	0.00000	-0.32576
1		2252	-3.00000	14.00000	99.75000	0.00000	0.00000	-0.30667
1		2253	-2.00000	14.00000	99.75000	0.00000	0.00000	-0.28622
1		2254	-1.00000	14.00000	99.75000	0.00000	0.00000	-0.26530
1		2255	0.00000	14.00000	99.75000	0.00000	0.00000	-0.24460
1		2256	-40.00000	15.00000	99.75000	0.00000	0.00000	0.14898
1		2257	-39.00000	15.00000	99.75000	0.00000	0.00000	0.16242
1		2258	-38.00000	15.00000	99.75000	0.00000	0.00000	0.17638
1		2259	-37.00000	15.00000	99.75000	0.00000	0.00000	0.19048
1		2260	-36.00000	15.00000	99.75000	0.00000	0.00000	0.20414
1		2261	-35.00000	15.00000	99.75000	0.00000	0.00000	0.21662
1		2262	-34.00000	15.00000	99.75000	0.00000	0.00000	0.22704
1		2263	-33.00000	15.00000	99.75000	0.00000	0.00000	0.23450
1		2264	-32.00000	15.00000	99.75000	0.00000	0.00000	0.23820
1		2265	-31.00000	15.00000	99.75000	0.00000	0.00000	0.23762
1		2266	-30.00000	15.00000	99.75000	0.00000	0.00000	0.23257
1		2267	-29.00000	15.00000	99.75000	0.00000	0.00000	0.22324
1		2268	-28.00000	15.00000	99.75000	0.00000	0.00000	0.21010
1		2269	-27.00000	15.00000	99.75000	0.00000	0.00000	0.19374
1		2270	-26.00000	15.00000	99.75000	0.00000	0.00000	0.17479



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2271	-25.00000	15.00000	99.75000	0.00000	0.00000	0.15374
1		2272	-24.00000	15.00000	99.75000	0.00000	0.00000	0.13087
1		2273	-23.00000	15.00000	99.75000	0.00000	0.00000	0.10627
1		2274	-22.00000	15.00000	99.75000	0.00000	0.00000	0.07980
1		2275	-21.00000	15.00000	99.75000	0.00000	0.00000	0.05127
1		2276	-20.00000	15.00000	99.75000	0.00000	0.00000	0.02047
1		2277	-19.00000	15.00000	99.75000	0.00000	0.00000	-0.01259
1		2278	-18.00000	15.00000	99.75000	0.00000	0.00000	-0.04765
1		2279	-17.00000	15.00000	99.75000	0.00000	0.00000	-0.08409
1		2280	-16.00000	15.00000	99.75000	0.00000	0.00000	-0.12099
1		2281	-15.00000	15.00000	99.75000	0.00000	0.00000	-0.15722
1		2282	-14.00000	15.00000	99.75000	0.00000	0.00000	-0.19157
1		2283	-13.00000	15.00000	99.75000	0.00000	0.00000	-0.22284
1		2284	-12.00000	15.00000	99.75000	0.00000	0.00000	-0.25000
1		2285	-11.00000	15.00000	99.75000	0.00000	0.00000	-0.27222
1		2286	-10.00000	15.00000	99.75000	0.00000	0.00000	-0.28894
1		2287	-9.00000	15.00000	99.75000	0.00000	0.00000	-0.29992
1		2288	-8.00000	15.00000	99.75000	0.00000	0.00000	-0.30520
1		2289	-7.00000	15.00000	99.75000	0.00000	0.00000	-0.30514
1		2290	-6.00000	15.00000	99.75000	0.00000	0.00000	-0.30035
1		2291	-5.00000	15.00000	99.75000	0.00000	0.00000	-0.29158
1		2292	-4.00000	15.00000	99.75000	0.00000	0.00000	-0.27972
1		2293	-3.00000	15.00000	99.75000	0.00000	0.00000	-0.26562
1		2294	-2.00000	15.00000	99.75000	0.00000	0.00000	-0.25011



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2295	-1.00000	15.00000	99.75000	0.00000	0.00000	-0.23386
1		2296	0.00000	15.00000	99.75000	0.00000	0.00000	-0.21745
1		2297	-40.00000	16.00000	99.75000	0.00000	0.00000	0.13208
1		2298	-39.00000	16.00000	99.75000	0.00000	0.00000	0.14267
1		2299	-38.00000	16.00000	99.75000	0.00000	0.00000	0.15342
1		2300	-37.00000	16.00000	99.75000	0.00000	0.00000	0.16399
1		2301	-36.00000	16.00000	99.75000	0.00000	0.00000	0.17395
1		2302	-35.00000	16.00000	99.75000	0.00000	0.00000	0.18275
1		2303	-34.00000	16.00000	99.75000	0.00000	0.00000	0.18979
1		2304	-33.00000	16.00000	99.75000	0.00000	0.00000	0.19449
1		2305	-32.00000	16.00000	99.75000	0.00000	0.00000	0.19632
1		2306	-31.00000	16.00000	99.75000	0.00000	0.00000	0.19494
1		2307	-30.00000	16.00000	99.75000	0.00000	0.00000	0.19022
1		2308	-29.00000	16.00000	99.75000	0.00000	0.00000	0.18223
1		2309	-28.00000	16.00000	99.75000	0.00000	0.00000	0.17123
1		2310	-27.00000	16.00000	99.75000	0.00000	0.00000	0.15757
1		2311	-26.00000	16.00000	99.75000	0.00000	0.00000	0.14164
1		2312	-25.00000	16.00000	99.75000	0.00000	0.00000	0.12374
1		2313	-24.00000	16.00000	99.75000	0.00000	0.00000	0.10412
1		2314	-23.00000	16.00000	99.75000	0.00000	0.00000	0.08286
1		2315	-22.00000	16.00000	99.75000	0.00000	0.00000	0.05998
1		2316	-21.00000	16.00000	99.75000	0.00000	0.00000	0.03545
1		2317	-20.00000	16.00000	99.75000	0.00000	0.00000	0.00927
1		2318	-19.00000	16.00000	99.75000	0.00000	0.00000	-0.01844
1		2319	-18.00000	16.00000	99.75000	0.00000	0.00000	-0.04740



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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2320	-17.00000	16.00000	99.75000	0.00000	0.00000	-0.07712
1		2321	-16.00000	16.00000	99.75000	0.00000	0.00000	-0.10692
1		2322	-15.00000	16.00000	99.75000	0.00000	0.00000	-0.13600
1		2323	-14.00000	16.00000	99.75000	0.00000	0.00000	-0.16350
1		2324	-13.00000	16.00000	99.75000	0.00000	0.00000	-0.18858
1		2325	-12.00000	16.00000	99.75000	0.00000	0.00000	-0.21048
1		2326	-11.00000	16.00000	99.75000	0.00000	0.00000	-0.22861
1		2327	-10.00000	16.00000	99.75000	0.00000	0.00000	-0.24255
1		2328	-9.00000	16.00000	99.75000	0.00000	0.00000	-0.25211
1		2329	-8.00000	16.00000	99.75000	0.00000	0.00000	-0.25731
1		2330	-7.00000	16.00000	99.75000	0.00000	0.00000	-0.25836
1		2331	-6.00000	16.00000	99.75000	0.00000	0.00000	-0.25569
1		2332	-5.00000	16.00000	99.75000	0.00000	0.00000	-0.24981
1		2333	-4.00000	16.00000	99.75000	0.00000	0.00000	-0.24134
1		2334	-3.00000	16.00000	99.75000	0.00000	0.00000	-0.23090
1		2335	-2.00000	16.00000	99.75000	0.00000	0.00000	-0.21909
1		2336	-1.00000	16.00000	99.75000	0.00000	0.00000	-0.20644
1		2337	0.00000	16.00000	99.75000	0.00000	0.00000	-0.19341
1		2338	-40.00000	17.00000	99.75000	0.00000	0.00000	0.11705
1		2339	-39.00000	17.00000	99.75000	0.00000	0.00000	0.12538
1		2340	-38.00000	17.00000	99.75000	0.00000	0.00000	0.13366
1		2341	-37.00000	17.00000	99.75000	0.00000	0.00000	0.14160
1		2342	-36.00000	17.00000	99.75000	0.00000	0.00000	0.14887
1		2343	-35.00000	17.00000	99.75000	0.00000	0.00000	0.15507



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2344	-34.00000	17.00000	99.75000	0.00000	0.00000	0.15979
1		2345	-33.00000	17.00000	99.75000	0.00000	0.00000	0.16262
1		2346	-32.00000	17.00000	99.75000	0.00000	0.00000	0.16321
1		2347	-31.00000	17.00000	99.75000	0.00000	0.00000	0.16133
1		2348	-30.00000	17.00000	99.75000	0.00000	0.00000	0.15688
1		2349	-29.00000	17.00000	99.75000	0.00000	0.00000	0.14987
1		2350	-28.00000	17.00000	99.75000	0.00000	0.00000	0.14046
1		2351	-27.00000	17.00000	99.75000	0.00000	0.00000	0.12885
1		2352	-26.00000	17.00000	99.75000	0.00000	0.00000	0.11528
1		2353	-25.00000	17.00000	99.75000	0.00000	0.00000	0.09998
1		2354	-24.00000	17.00000	99.75000	0.00000	0.00000	0.08311
1		2355	-23.00000	17.00000	99.75000	0.00000	0.00000	0.06479
1		2356	-22.00000	17.00000	99.75000	0.00000	0.00000	0.04509
1		2357	-21.00000	17.00000	99.75000	0.00000	0.00000	0.02407
1		2358	-20.00000	17.00000	99.75000	0.00000	0.00000	0.00184
1		2359	-19.00000	17.00000	99.75000	0.00000	0.00000	-0.02146
1		2360	-18.00000	17.00000	99.75000	0.00000	0.00000	-0.04554
1		2361	-17.00000	17.00000	99.75000	0.00000	0.00000	-0.07001
1		2362	-16.00000	17.00000	99.75000	0.00000	0.00000	-0.09437
1		2363	-15.00000	17.00000	99.75000	0.00000	0.00000	-0.11801
1		2364	-14.00000	17.00000	99.75000	0.00000	0.00000	-0.14033
1		2365	-13.00000	17.00000	99.75000	0.00000	0.00000	-0.16071
1		2366	-12.00000	17.00000	99.75000	0.00000	0.00000	-0.17860
1		2367	-11.00000	17.00000	99.75000	0.00000	0.00000	-0.19357
1		2368	-10.00000	17.00000	99.75000	0.00000	0.00000	-0.20530



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2369	-9.00000	17.00000	99.75000	0.00000	0.00000	-0.21364
1		2370	-8.00000	17.00000	99.75000	0.00000	0.00000	-0.21860
1		2371	-7.00000	17.00000	99.75000	0.00000	0.00000	-0.22031
1		2372	-6.00000	17.00000	99.75000	0.00000	0.00000	-0.21904
1		2373	-5.00000	17.00000	99.75000	0.00000	0.00000	-0.21518
1		2374	-4.00000	17.00000	99.75000	0.00000	0.00000	-0.20915
1		2375	-3.00000	17.00000	99.75000	0.00000	0.00000	-0.20141
1		2376	-2.00000	17.00000	99.75000	0.00000	0.00000	-0.19240
1		2377	-1.00000	17.00000	99.75000	0.00000	0.00000	-0.18253
1		2378	0.00000	17.00000	99.75000	0.00000	0.00000	-0.17217
1		2379	-40.00000	18.00000	99.75000	0.00000	0.00000	0.10372
1		2380	-39.00000	18.00000	99.75000	0.00000	0.00000	0.11028
1		2381	-38.00000	18.00000	99.75000	0.00000	0.00000	0.11665
1		2382	-37.00000	18.00000	99.75000	0.00000	0.00000	0.12261
1		2383	-36.00000	18.00000	99.75000	0.00000	0.00000	0.12791
1		2384	-35.00000	18.00000	99.75000	0.00000	0.00000	0.13225
1		2385	-34.00000	18.00000	99.75000	0.00000	0.00000	0.13534
1		2386	-33.00000	18.00000	99.75000	0.00000	0.00000	0.13689
1		2387	-32.00000	18.00000	99.75000	0.00000	0.00000	0.13666
1		2388	-31.00000	18.00000	99.75000	0.00000	0.00000	0.13448
1		2389	-30.00000	18.00000	99.75000	0.00000	0.00000	0.13027
1		2390	-29.00000	18.00000	99.75000	0.00000	0.00000	0.12404
1		2391	-28.00000	18.00000	99.75000	0.00000	0.00000	0.11586
1		2392	-27.00000	18.00000	99.75000	0.00000	0.00000	0.10587



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2393	-26.00000	18.00000	99.75000	0.00000	0.00000	0.09421
1		2394	-25.00000	18.00000	99.75000	0.00000	0.00000	0.08105
1		2395	-24.00000	18.00000	99.75000	0.00000	0.00000	0.06651
1		2396	-23.00000	18.00000	99.75000	0.00000	0.00000	0.05073
1		2397	-22.00000	18.00000	99.75000	0.00000	0.00000	0.03380
1		2398	-21.00000	18.00000	99.75000	0.00000	0.00000	0.01582
1		2399	-20.00000	18.00000	99.75000	0.00000	0.00000	-0.00309
1		2400	-19.00000	18.00000	99.75000	0.00000	0.00000	-0.02274
1		2401	-18.00000	18.00000	99.75000	0.00000	0.00000	-0.04288
1		2402	-17.00000	18.00000	99.75000	0.00000	0.00000	-0.06320
1		2403	-16.00000	18.00000	99.75000	0.00000	0.00000	-0.08330
1		2404	-15.00000	18.00000	99.75000	0.00000	0.00000	-0.10274
1		2405	-14.00000	18.00000	99.75000	0.00000	0.00000	-0.12106
1		2406	-13.00000	18.00000	99.75000	0.00000	0.00000	-0.13782
1		2407	-12.00000	18.00000	99.75000	0.00000	0.00000	-0.15260
1		2408	-11.00000	18.00000	99.75000	0.00000	0.00000	-0.16509
1		2409	-10.00000	18.00000	99.75000	0.00000	0.00000	-0.17504
1		2410	-9.00000	18.00000	99.75000	0.00000	0.00000	-0.18234
1		2411	-8.00000	18.00000	99.75000	0.00000	0.00000	-0.18698
1		2412	-7.00000	18.00000	99.75000	0.00000	0.00000	-0.18904
1		2413	-6.00000	18.00000	99.75000	0.00000	0.00000	-0.18872
1		2414	-5.00000	18.00000	99.75000	0.00000	0.00000	-0.18627
1		2415	-4.00000	18.00000	99.75000	0.00000	0.00000	-0.18201
1		2416	-3.00000	18.00000	99.75000	0.00000	0.00000	-0.17627
1		2417	-2.00000	18.00000	99.75000	0.00000	0.00000	-0.16939



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2418	-1.00000	18.00000	99.75000	0.00000	0.00000	-0.16168
1		2419	0.00000	18.00000	99.75000	0.00000	0.00000	-0.15343
1		2420	-40.00000	19.00000	99.75000	0.00000	0.00000	0.09194
1		2421	-39.00000	19.00000	99.75000	0.00000	0.00000	0.09709
1		2422	-38.00000	19.00000	99.75000	0.00000	0.00000	0.10199
1		2423	-37.00000	19.00000	99.75000	0.00000	0.00000	0.10646
1		2424	-36.00000	19.00000	99.75000	0.00000	0.00000	0.11029
1		2425	-35.00000	19.00000	99.75000	0.00000	0.00000	0.11329
1		2426	-34.00000	19.00000	99.75000	0.00000	0.00000	0.11522
1		2427	-33.00000	19.00000	99.75000	0.00000	0.00000	0.11588
1		2428	-32.00000	19.00000	99.75000	0.00000	0.00000	0.11510
1		2429	-31.00000	19.00000	99.75000	0.00000	0.00000	0.11277
1		2430	-30.00000	19.00000	99.75000	0.00000	0.00000	0.10881
1		2431	-29.00000	19.00000	99.75000	0.00000	0.00000	0.10321
1		2432	-28.00000	19.00000	99.75000	0.00000	0.00000	0.09603
1		2433	-27.00000	19.00000	99.75000	0.00000	0.00000	0.08734
1		2434	-26.00000	19.00000	99.75000	0.00000	0.00000	0.07725
1		2435	-25.00000	19.00000	99.75000	0.00000	0.00000	0.06588
1		2436	-24.00000	19.00000	99.75000	0.00000	0.00000	0.05334
1		2437	-23.00000	19.00000	99.75000	0.00000	0.00000	0.03974
1		2438	-22.00000	19.00000	99.75000	0.00000	0.00000	0.02518
1		2439	-21.00000	19.00000	99.75000	0.00000	0.00000	0.00978
1		2440	-20.00000	19.00000	99.75000	0.00000	0.00000	-0.00632
1		2441	-19.00000	19.00000	99.75000	0.00000	0.00000	-0.02295



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2442	-18.00000	19.00000	99.75000	0.00000	0.00000	-0.03989
1		2443	-17.00000	19.00000	99.75000	0.00000	0.00000	-0.05688
1		2444	-16.00000	19.00000	99.75000	0.00000	0.00000	-0.07362
1		2445	-15.00000	19.00000	99.75000	0.00000	0.00000	-0.08975
1		2446	-14.00000	19.00000	99.75000	0.00000	0.00000	-0.10494
1		2447	-13.00000	19.00000	99.75000	0.00000	0.00000	-0.11886
1		2448	-12.00000	19.00000	99.75000	0.00000	0.00000	-0.13119
1		2449	-11.00000	19.00000	99.75000	0.00000	0.00000	-0.14171
1		2450	-10.00000	19.00000	99.75000	0.00000	0.00000	-0.15021
1		2451	-9.00000	19.00000	99.75000	0.00000	0.00000	-0.15662
1		2452	-8.00000	19.00000	99.75000	0.00000	0.00000	-0.16091
1		2453	-7.00000	19.00000	99.75000	0.00000	0.00000	-0.16313
1		2454	-6.00000	19.00000	99.75000	0.00000	0.00000	-0.16343
1		2455	-5.00000	19.00000	99.75000	0.00000	0.00000	-0.16198
1		2456	-4.00000	19.00000	99.75000	0.00000	0.00000	-0.15901
1		2457	-3.00000	19.00000	99.75000	0.00000	0.00000	-0.15477
1		2458	-2.00000	19.00000	99.75000	0.00000	0.00000	-0.14951
1		2459	-1.00000	19.00000	99.75000	0.00000	0.00000	-0.14348
1		2460	0.00000	19.00000	99.75000	0.00000	0.00000	-0.13690
1		2461	-40.00000	20.00000	99.75000	0.00000	0.00000	0.08153
1		2462	-39.00000	20.00000	99.75000	0.00000	0.00000	0.08557
1		2463	-38.00000	20.00000	99.75000	0.00000	0.00000	0.08933
1		2464	-37.00000	20.00000	99.75000	0.00000	0.00000	0.09266
1		2465	-36.00000	20.00000	99.75000	0.00000	0.00000	0.09541
1		2466	-35.00000	20.00000	99.75000	0.00000	0.00000	0.09741



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2467	-34.00000	20.00000	99.75000	0.00000	0.00000	0.09852
1		2468	-33.00000	20.00000	99.75000	0.00000	0.00000	0.09857
1		2469	-32.00000	20.00000	99.75000	0.00000	0.00000	0.09744
1		2470	-31.00000	20.00000	99.75000	0.00000	0.00000	0.09504
1		2471	-30.00000	20.00000	99.75000	0.00000	0.00000	0.09133
1		2472	-29.00000	20.00000	99.75000	0.00000	0.00000	0.08628
1		2473	-28.00000	20.00000	99.75000	0.00000	0.00000	0.07992
1		2474	-27.00000	20.00000	99.75000	0.00000	0.00000	0.07232
1		2475	-26.00000	20.00000	99.75000	0.00000	0.00000	0.06355
1		2476	-25.00000	20.00000	99.75000	0.00000	0.00000	0.05368
1		2477	-24.00000	20.00000	99.75000	0.00000	0.00000	0.04283
1		2478	-23.00000	20.00000	99.75000	0.00000	0.00000	0.03109
1		2479	-22.00000	20.00000	99.75000	0.00000	0.00000	0.01856
1		2480	-21.00000	20.00000	99.75000	0.00000	0.00000	0.00536
1		2481	-20.00000	20.00000	99.75000	0.00000	0.00000	-0.00839
1		2482	-19.00000	20.00000	99.75000	0.00000	0.00000	-0.02251
1		2483	-18.00000	20.00000	99.75000	0.00000	0.00000	-0.03684
1		2484	-17.00000	20.00000	99.75000	0.00000	0.00000	-0.05114
1		2485	-16.00000	20.00000	99.75000	0.00000	0.00000	-0.06517
1		2486	-15.00000	20.00000	99.75000	0.00000	0.00000	-0.07867
1		2487	-14.00000	20.00000	99.75000	0.00000	0.00000	-0.09138
1		2488	-13.00000	20.00000	99.75000	0.00000	0.00000	-0.10304
1		2489	-12.00000	20.00000	99.75000	0.00000	0.00000	-0.11342
1		2490	-11.00000	20.00000	99.75000	0.00000	0.00000	-0.12234



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2491	-10.00000	20.00000	99.75000	0.00000	0.00000	-0.12966
1		2492	-9.00000	20.00000	99.75000	0.00000	0.00000	-0.13529
1		2493	-8.00000	20.00000	99.75000	0.00000	0.00000	-0.13923
1		2494	-7.00000	20.00000	99.75000	0.00000	0.00000	-0.14149
1		2495	-6.00000	20.00000	99.75000	0.00000	0.00000	-0.14219
1		2496	-5.00000	20.00000	99.75000	0.00000	0.00000	-0.14144
1		2497	-4.00000	20.00000	99.75000	0.00000	0.00000	-0.13942
1		2498	-3.00000	20.00000	99.75000	0.00000	0.00000	-0.13630
1		2499	-2.00000	20.00000	99.75000	0.00000	0.00000	-0.13229
1		2500	-1.00000	20.00000	99.75000	0.00000	0.00000	-0.12756
1		2501	0.00000	20.00000	99.75000	0.00000	0.00000	-0.12231
1		2502	-40.00000	21.00000	99.75000	0.00000	0.00000	0.07235
1		2503	-39.00000	21.00000	99.75000	0.00000	0.00000	0.07551
1		2504	-38.00000	21.00000	99.75000	0.00000	0.00000	0.07837
1		2505	-37.00000	21.00000	99.75000	0.00000	0.00000	0.08083
1		2506	-36.00000	21.00000	99.75000	0.00000	0.00000	0.08276
1		2507	-35.00000	21.00000	99.75000	0.00000	0.00000	0.08405
1		2508	-34.00000	21.00000	99.75000	0.00000	0.00000	0.08456
1		2509	-33.00000	21.00000	99.75000	0.00000	0.00000	0.08419
1		2510	-32.00000	21.00000	99.75000	0.00000	0.00000	0.08284
1		2511	-31.00000	21.00000	99.75000	0.00000	0.00000	0.08045
1		2512	-30.00000	21.00000	99.75000	0.00000	0.00000	0.07698
1		2513	-29.00000	21.00000	99.75000	0.00000	0.00000	0.07241
1		2514	-28.00000	21.00000	99.75000	0.00000	0.00000	0.06676
1		2515	-27.00000	21.00000	99.75000	0.00000	0.00000	0.06008



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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2516	-26.00000	21.00000	99.75000	0.00000	0.00000	0.05241
1		2517	-25.00000	21.00000	99.75000	0.00000	0.00000	0.04383
1		2518	-24.00000	21.00000	99.75000	0.00000	0.00000	0.03442
1		2519	-23.00000	21.00000	99.75000	0.00000	0.00000	0.02426
1		2520	-22.00000	21.00000	99.75000	0.00000	0.00000	0.01346
1		2521	-21.00000	21.00000	99.75000	0.00000	0.00000	0.00211
1		2522	-20.00000	21.00000	99.75000	0.00000	0.00000	-0.00965
1		2523	-19.00000	21.00000	99.75000	0.00000	0.00000	-0.02170
1		2524	-18.00000	21.00000	99.75000	0.00000	0.00000	-0.03386
1		2525	-17.00000	21.00000	99.75000	0.00000	0.00000	-0.04596
1		2526	-16.00000	21.00000	99.75000	0.00000	0.00000	-0.05781
1		2527	-15.00000	21.00000	99.75000	0.00000	0.00000	-0.06919
1		2528	-14.00000	21.00000	99.75000	0.00000	0.00000	-0.07990
1		2529	-13.00000	21.00000	99.75000	0.00000	0.00000	-0.08975
1		2530	-12.00000	21.00000	99.75000	0.00000	0.00000	-0.09856
1		2531	-11.00000	21.00000	99.75000	0.00000	0.00000	-0.10618
1		2532	-10.00000	21.00000	99.75000	0.00000	0.00000	-0.11250
1		2533	-9.00000	21.00000	99.75000	0.00000	0.00000	-0.11747
1		2534	-8.00000	21.00000	99.75000	0.00000	0.00000	-0.12106
1		2535	-7.00000	21.00000	99.75000	0.00000	0.00000	-0.12330
1		2536	-6.00000	21.00000	99.75000	0.00000	0.00000	-0.12424
1		2537	-5.00000	21.00000	99.75000	0.00000	0.00000	-0.12398
1		2538	-4.00000	21.00000	99.75000	0.00000	0.00000	-0.12265
1		2539	-3.00000	21.00000	99.75000	0.00000	0.00000	-0.12038



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2540	-2.00000	21.00000	99.75000	0.00000	0.00000	-0.11732
1		2541	-1.00000	21.00000	99.75000	0.00000	0.00000	-0.11363
1		2542	0.00000	21.00000	99.75000	0.00000	0.00000	-0.10943
1		2543	-40.00000	22.00000	99.75000	0.00000	0.00000	0.06424
1		2544	-39.00000	22.00000	99.75000	0.00000	0.00000	0.06670
1		2545	-38.00000	22.00000	99.75000	0.00000	0.00000	0.06887
1		2546	-37.00000	22.00000	99.75000	0.00000	0.00000	0.07066
1		2547	-36.00000	22.00000	99.75000	0.00000	0.00000	0.07198
1		2548	-35.00000	22.00000	99.75000	0.00000	0.00000	0.07273
1		2549	-34.00000	22.00000	99.75000	0.00000	0.00000	0.07282
1		2550	-33.00000	22.00000	99.75000	0.00000	0.00000	0.07217
1		2551	-32.00000	22.00000	99.75000	0.00000	0.00000	0.07070
1		2552	-31.00000	22.00000	99.75000	0.00000	0.00000	0.06836
1		2553	-30.00000	22.00000	99.75000	0.00000	0.00000	0.06512
1		2554	-29.00000	22.00000	99.75000	0.00000	0.00000	0.06098
1		2555	-28.00000	22.00000	99.75000	0.00000	0.00000	0.05595
1		2556	-27.00000	22.00000	99.75000	0.00000	0.00000	0.05004
1		2557	-26.00000	22.00000	99.75000	0.00000	0.00000	0.04332
1		2558	-25.00000	22.00000	99.75000	0.00000	0.00000	0.03583
1		2559	-24.00000	22.00000	99.75000	0.00000	0.00000	0.02765
1		2560	-23.00000	22.00000	99.75000	0.00000	0.00000	0.01885
1		2561	-22.00000	22.00000	99.75000	0.00000	0.00000	0.00951
1		2562	-21.00000	22.00000	99.75000	0.00000	0.00000	-0.00026
1		2563	-20.00000	22.00000	99.75000	0.00000	0.00000	-0.01036
1		2564	-19.00000	22.00000	99.75000	0.00000	0.00000	-0.02067



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2565	-18.00000	22.00000	99.75000	0.00000	0.00000	-0.03104
1		2566	-17.00000	22.00000	99.75000	0.00000	0.00000	-0.04134
1		2567	-16.00000	22.00000	99.75000	0.00000	0.00000	-0.05140
1		2568	-15.00000	22.00000	99.75000	0.00000	0.00000	-0.06105
1		2569	-14.00000	22.00000	99.75000	0.00000	0.00000	-0.07014
1		2570	-13.00000	22.00000	99.75000	0.00000	0.00000	-0.07852
1		2571	-12.00000	22.00000	99.75000	0.00000	0.00000	-0.08604
1		2572	-11.00000	22.00000	99.75000	0.00000	0.00000	-0.09259
1		2573	-10.00000	22.00000	99.75000	0.00000	0.00000	-0.09808
1		2574	-9.00000	22.00000	99.75000	0.00000	0.00000	-0.10248
1		2575	-8.00000	22.00000	99.75000	0.00000	0.00000	-0.10574
1		2576	-7.00000	22.00000	99.75000	0.00000	0.00000	-0.10789
1		2577	-6.00000	22.00000	99.75000	0.00000	0.00000	-0.10898
1		2578	-5.00000	22.00000	99.75000	0.00000	0.00000	-0.10906
1		2579	-4.00000	22.00000	99.75000	0.00000	0.00000	-0.10824
1		2580	-3.00000	22.00000	99.75000	0.00000	0.00000	-0.10661
1		2581	-2.00000	22.00000	99.75000	0.00000	0.00000	-0.10429
1		2582	-1.00000	22.00000	99.75000	0.00000	0.00000	-0.10140
1		2583	0.00000	22.00000	99.75000	0.00000	0.00000	-0.09805
1		2584	-40.00000	23.00000	99.75000	0.00000	0.00000	0.05709
1		2585	-39.00000	23.00000	99.75000	0.00000	0.00000	0.05899
1		2586	-38.00000	23.00000	99.75000	0.00000	0.00000	0.06061
1		2587	-37.00000	23.00000	99.75000	0.00000	0.00000	0.06189
1		2588	-36.00000	23.00000	99.75000	0.00000	0.00000	0.06275



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2589	-35.00000	23.00000	99.75000	0.00000	0.00000	0.06310
1		2590	-34.00000	23.00000	99.75000	0.00000	0.00000	0.06289
1		2591	-33.00000	23.00000	99.75000	0.00000	0.00000	0.06205
1		2592	-32.00000	23.00000	99.75000	0.00000	0.00000	0.06053
1		2593	-31.00000	23.00000	99.75000	0.00000	0.00000	0.05827
1		2594	-30.00000	23.00000	99.75000	0.00000	0.00000	0.05527
1		2595	-29.00000	23.00000	99.75000	0.00000	0.00000	0.05152
1		2596	-28.00000	23.00000	99.75000	0.00000	0.00000	0.04701
1		2597	-27.00000	23.00000	99.75000	0.00000	0.00000	0.04179
1		2598	-26.00000	23.00000	99.75000	0.00000	0.00000	0.03587
1		2599	-25.00000	23.00000	99.75000	0.00000	0.00000	0.02932
1		2600	-24.00000	23.00000	99.75000	0.00000	0.00000	0.02219
1		2601	-23.00000	23.00000	99.75000	0.00000	0.00000	0.01454
1		2602	-22.00000	23.00000	99.75000	0.00000	0.00000	0.00645
1		2603	-21.00000	23.00000	99.75000	0.00000	0.00000	-0.00199
1		2604	-20.00000	23.00000	99.75000	0.00000	0.00000	-0.01068
1		2605	-19.00000	23.00000	99.75000	0.00000	0.00000	-0.01953
1		2606	-18.00000	23.00000	99.75000	0.00000	0.00000	-0.02842
1		2607	-17.00000	23.00000	99.75000	0.00000	0.00000	-0.03722
1		2608	-16.00000	23.00000	99.75000	0.00000	0.00000	-0.04580
1		2609	-15.00000	23.00000	99.75000	0.00000	0.00000	-0.05404
1		2610	-14.00000	23.00000	99.75000	0.00000	0.00000	-0.06180
1		2611	-13.00000	23.00000	99.75000	0.00000	0.00000	-0.06897
1		2612	-12.00000	23.00000	99.75000	0.00000	0.00000	-0.07542
1		2613	-11.00000	23.00000	99.75000	0.00000	0.00000	-0.08109



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2614	-10.00000	23.00000	99.75000	0.00000	0.00000	-0.08588
1		2615	-9.00000	23.00000	99.75000	0.00000	0.00000	-0.08977
1		2616	-8.00000	23.00000	99.75000	0.00000	0.00000	-0.09274
1		2617	-7.00000	23.00000	99.75000	0.00000	0.00000	-0.09478
1		2618	-6.00000	23.00000	99.75000	0.00000	0.00000	-0.09593
1		2619	-5.00000	23.00000	99.75000	0.00000	0.00000	-0.09625
1		2620	-4.00000	23.00000	99.75000	0.00000	0.00000	-0.09580
1		2621	-3.00000	23.00000	99.75000	0.00000	0.00000	-0.09466
1		2622	-2.00000	23.00000	99.75000	0.00000	0.00000	-0.09291
1		2623	-1.00000	23.00000	99.75000	0.00000	0.00000	-0.09065
1		2624	0.00000	23.00000	99.75000	0.00000	0.00000	-0.08798
1		2625	-40.00000	24.00000	99.75000	0.00000	0.00000	0.05077
1		2626	-39.00000	24.00000	99.75000	0.00000	0.00000	0.05223
1		2627	-38.00000	24.00000	99.75000	0.00000	0.00000	0.05342
1		2628	-37.00000	24.00000	99.75000	0.00000	0.00000	0.05430
1		2629	-36.00000	24.00000	99.75000	0.00000	0.00000	0.05481
1		2630	-35.00000	24.00000	99.75000	0.00000	0.00000	0.05488
1		2631	-34.00000	24.00000	99.75000	0.00000	0.00000	0.05446
1		2632	-33.00000	24.00000	99.75000	0.00000	0.00000	0.05350
1		2633	-32.00000	24.00000	99.75000	0.00000	0.00000	0.05197
1		2634	-31.00000	24.00000	99.75000	0.00000	0.00000	0.04982
1		2635	-30.00000	24.00000	99.75000	0.00000	0.00000	0.04705
1		2636	-29.00000	24.00000	99.75000	0.00000	0.00000	0.04364
1		2637	-28.00000	24.00000	99.75000	0.00000	0.00000	0.03960



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2638	-27.00000	24.00000	99.75000	0.00000	0.00000	0.03497
1		2639	-26.00000	24.00000	99.75000	0.00000	0.00000	0.02975
1		2640	-25.00000	24.00000	99.75000	0.00000	0.00000	0.02400
1		2641	-24.00000	24.00000	99.75000	0.00000	0.00000	0.01777
1		2642	-23.00000	24.00000	99.75000	0.00000	0.00000	0.01111
1		2643	-22.00000	24.00000	99.75000	0.00000	0.00000	0.00408
1		2644	-21.00000	24.00000	99.75000	0.00000	0.00000	-0.00322
1		2645	-20.00000	24.00000	99.75000	0.00000	0.00000	-0.01073
1		2646	-19.00000	24.00000	99.75000	0.00000	0.00000	-0.01836
1		2647	-18.00000	24.00000	99.75000	0.00000	0.00000	-0.02600
1		2648	-17.00000	24.00000	99.75000	0.00000	0.00000	-0.03355
1		2649	-16.00000	24.00000	99.75000	0.00000	0.00000	-0.04092
1		2650	-15.00000	24.00000	99.75000	0.00000	0.00000	-0.04798
1		2651	-14.00000	24.00000	99.75000	0.00000	0.00000	-0.05464
1		2652	-13.00000	24.00000	99.75000	0.00000	0.00000	-0.06080
1		2653	-12.00000	24.00000	99.75000	0.00000	0.00000	-0.06638
1		2654	-11.00000	24.00000	99.75000	0.00000	0.00000	-0.07130
1		2655	-10.00000	24.00000	99.75000	0.00000	0.00000	-0.07550
1		2656	-9.00000	24.00000	99.75000	0.00000	0.00000	-0.07895
1		2657	-8.00000	24.00000	99.75000	0.00000	0.00000	-0.08164
1		2658	-7.00000	24.00000	99.75000	0.00000	0.00000	-0.08356
1		2659	-6.00000	24.00000	99.75000	0.00000	0.00000	-0.08473
1		2660	-5.00000	24.00000	99.75000	0.00000	0.00000	-0.08521
1		2661	-4.00000	24.00000	99.75000	0.00000	0.00000	-0.08502
1		2662	-3.00000	24.00000	99.75000	0.00000	0.00000	-0.08425



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: Y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2663	-2.00000	24.00000	99.75000	0.00000	0.00000	-0.08295
1		2664	-1.00000	24.00000	99.75000	0.00000	0.00000	-0.08119
1		2665	0.00000	24.00000	99.75000	0.00000	0.00000	-0.07905
1		2666	-40.00000	25.00000	99.75000	0.00000	0.00000	0.04518
1		2667	-39.00000	25.00000	99.75000	0.00000	0.00000	0.04628
1		2668	-38.00000	25.00000	99.75000	0.00000	0.00000	0.04715
1		2669	-37.00000	25.00000	99.75000	0.00000	0.00000	0.04772
1		2670	-36.00000	25.00000	99.75000	0.00000	0.00000	0.04797
1		2671	-35.00000	25.00000	99.75000	0.00000	0.00000	0.04783
1		2672	-34.00000	25.00000	99.75000	0.00000	0.00000	0.04727
1		2673	-33.00000	25.00000	99.75000	0.00000	0.00000	0.04625
1		2674	-32.00000	25.00000	99.75000	0.00000	0.00000	0.04473
1		2675	-31.00000	25.00000	99.75000	0.00000	0.00000	0.04270
1		2676	-30.00000	25.00000	99.75000	0.00000	0.00000	0.04014
1		2677	-29.00000	25.00000	99.75000	0.00000	0.00000	0.03705
1		2678	-28.00000	25.00000	99.75000	0.00000	0.00000	0.03343
1		2679	-27.00000	25.00000	99.75000	0.00000	0.00000	0.02931
1		2680	-26.00000	25.00000	99.75000	0.00000	0.00000	0.02470
1		2681	-25.00000	25.00000	99.75000	0.00000	0.00000	0.01964
1		2682	-24.00000	25.00000	99.75000	0.00000	0.00000	0.01418
1		2683	-23.00000	25.00000	99.75000	0.00000	0.00000	0.00836
1		2684	-22.00000	25.00000	99.75000	0.00000	0.00000	0.00225
1		2685	-21.00000	25.00000	99.75000	0.00000	0.00000	-0.00409
1		2686	-20.00000	25.00000	99.75000	0.00000	0.00000	-0.01060



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2687	-19.00000	25.00000	99.75000	0.00000	0.00000	-0.01719
1		2688	-18.00000	25.00000	99.75000	0.00000	0.00000	-0.02379
1		2689	-17.00000	25.00000	99.75000	0.00000	0.00000	-0.03030
1		2690	-16.00000	25.00000	99.75000	0.00000	0.00000	-0.03664
1		2691	-15.00000	25.00000	99.75000	0.00000	0.00000	-0.04273
1		2692	-14.00000	25.00000	99.75000	0.00000	0.00000	-0.04847
1		2693	-13.00000	25.00000	99.75000	0.00000	0.00000	-0.05379
1		2694	-12.00000	25.00000	99.75000	0.00000	0.00000	-0.05863
1		2695	-11.00000	25.00000	99.75000	0.00000	0.00000	-0.06292
1		2696	-10.00000	25.00000	99.75000	0.00000	0.00000	-0.06661
1		2697	-9.00000	25.00000	99.75000	0.00000	0.00000	-0.06968
1		2698	-8.00000	25.00000	99.75000	0.00000	0.00000	-0.07211
1		2699	-7.00000	25.00000	99.75000	0.00000	0.00000	-0.07391
1		2700	-6.00000	25.00000	99.75000	0.00000	0.00000	-0.07507
1		2701	-5.00000	25.00000	99.75000	0.00000	0.00000	-0.07564
1		2702	-4.00000	25.00000	99.75000	0.00000	0.00000	-0.07566
1		2703	-3.00000	25.00000	99.75000	0.00000	0.00000	-0.07516
1		2704	-2.00000	25.00000	99.75000	0.00000	0.00000	-0.07420
1		2705	-1.00000	25.00000	99.75000	0.00000	0.00000	-0.07284
1		2706	0.00000	25.00000	99.75000	0.00000	0.00000	-0.07114
1		2707	-40.00000	26.00000	99.75000	0.00000	0.00000	0.04024
1		2708	-39.00000	26.00000	99.75000	0.00000	0.00000	0.04106
1		2709	-38.00000	26.00000	99.75000	0.00000	0.00000	0.04166
1		2710	-37.00000	26.00000	99.75000	0.00000	0.00000	0.04200
1		2711	-36.00000	26.00000	99.75000	0.00000	0.00000	0.04205



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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2712	-35.00000	26.00000	99.75000	0.00000	0.00000	0.04176
1		2713	-34.00000	26.00000	99.75000	0.00000	0.00000	0.04111
1		2714	-33.00000	26.00000	99.75000	0.00000	0.00000	0.04006
1		2715	-32.00000	26.00000	99.75000	0.00000	0.00000	0.03859
1		2716	-31.00000	26.00000	99.75000	0.00000	0.00000	0.03668
1		2717	-30.00000	26.00000	99.75000	0.00000	0.00000	0.03432
1		2718	-29.00000	26.00000	99.75000	0.00000	0.00000	0.03152
1		2719	-28.00000	26.00000	99.75000	0.00000	0.00000	0.02827
1		2720	-27.00000	26.00000	99.75000	0.00000	0.00000	0.02460
1		2721	-26.00000	26.00000	99.75000	0.00000	0.00000	0.02051
1		2722	-25.00000	26.00000	99.75000	0.00000	0.00000	0.01606
1		2723	-24.00000	26.00000	99.75000	0.00000	0.00000	0.01126
1		2724	-23.00000	26.00000	99.75000	0.00000	0.00000	0.00617
1		2725	-22.00000	26.00000	99.75000	0.00000	0.00000	0.00084
1		2726	-21.00000	26.00000	99.75000	0.00000	0.00000	-0.00469
1		2727	-20.00000	26.00000	99.75000	0.00000	0.00000	-0.01034
1		2728	-19.00000	26.00000	99.75000	0.00000	0.00000	-0.01606
1		2729	-18.00000	26.00000	99.75000	0.00000	0.00000	-0.02177
1		2730	-17.00000	26.00000	99.75000	0.00000	0.00000	-0.02740
1		2731	-16.00000	26.00000	99.75000	0.00000	0.00000	-0.03289
1		2732	-15.00000	26.00000	99.75000	0.00000	0.00000	-0.03815
1		2733	-14.00000	26.00000	99.75000	0.00000	0.00000	-0.04313
1		2734	-13.00000	26.00000	99.75000	0.00000	0.00000	-0.04775
1		2735	-12.00000	26.00000	99.75000	0.00000	0.00000	-0.05196



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2736	-11.00000	26.00000	99.75000	0.00000	0.00000	-0.05571
1		2737	-10.00000	26.00000	99.75000	0.00000	0.00000	-0.05897
1		2738	-9.00000	26.00000	99.75000	0.00000	0.00000	-0.06170
1		2739	-8.00000	26.00000	99.75000	0.00000	0.00000	-0.06390
1		2740	-7.00000	26.00000	99.75000	0.00000	0.00000	-0.06557
1		2741	-6.00000	26.00000	99.75000	0.00000	0.00000	-0.06670
1		2742	-5.00000	26.00000	99.75000	0.00000	0.00000	-0.06733
1		2743	-4.00000	26.00000	99.75000	0.00000	0.00000	-0.06748
1		2744	-3.00000	26.00000	99.75000	0.00000	0.00000	-0.06719
1		2745	-2.00000	26.00000	99.75000	0.00000	0.00000	-0.06650
1		2746	-1.00000	26.00000	99.75000	0.00000	0.00000	-0.06545
1		2747	0.00000	26.00000	99.75000	0.00000	0.00000	-0.06410
1		2748	-40.00000	27.00000	99.75000	0.00000	0.00000	0.03586
1		2749	-39.00000	27.00000	99.75000	0.00000	0.00000	0.03646
1		2750	-38.00000	27.00000	99.75000	0.00000	0.00000	0.03685
1		2751	-37.00000	27.00000	99.75000	0.00000	0.00000	0.03702
1		2752	-36.00000	27.00000	99.75000	0.00000	0.00000	0.03692
1		2753	-35.00000	27.00000	99.75000	0.00000	0.00000	0.03653
1		2754	-34.00000	27.00000	99.75000	0.00000	0.00000	0.03582
1		2755	-33.00000	27.00000	99.75000	0.00000	0.00000	0.03477
1		2756	-32.00000	27.00000	99.75000	0.00000	0.00000	0.03336
1		2757	-31.00000	27.00000	99.75000	0.00000	0.00000	0.03157
1		2758	-30.00000	27.00000	99.75000	0.00000	0.00000	0.02941
1		2759	-29.00000	27.00000	99.75000	0.00000	0.00000	0.02686
1		2760	-28.00000	27.00000	99.75000	0.00000	0.00000	0.02394



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2761	-27.00000	27.00000	99.75000	0.00000	0.00000	0.02066
1		2762	-26.00000	27.00000	99.75000	0.00000	0.00000	0.01704
1		2763	-25.00000	27.00000	99.75000	0.00000	0.00000	0.01310
1		2764	-24.00000	27.00000	99.75000	0.00000	0.00000	0.00888
1		2765	-23.00000	27.00000	99.75000	0.00000	0.00000	0.00442
1		2766	-22.00000	27.00000	99.75000	0.00000	0.00000	-0.00025
1		2767	-21.00000	27.00000	99.75000	0.00000	0.00000	-0.00507
1		2768	-20.00000	27.00000	99.75000	0.00000	0.00000	-0.01000
1		2769	-19.00000	27.00000	99.75000	0.00000	0.00000	-0.01497
1		2770	-18.00000	27.00000	99.75000	0.00000	0.00000	-0.01993
1		2771	-17.00000	27.00000	99.75000	0.00000	0.00000	-0.02482
1		2772	-16.00000	27.00000	99.75000	0.00000	0.00000	-0.02958
1		2773	-15.00000	27.00000	99.75000	0.00000	0.00000	-0.03416
1		2774	-14.00000	27.00000	99.75000	0.00000	0.00000	-0.03848
1		2775	-13.00000	27.00000	99.75000	0.00000	0.00000	-0.04251
1		2776	-12.00000	27.00000	99.75000	0.00000	0.00000	-0.04619
1		2777	-11.00000	27.00000	99.75000	0.00000	0.00000	-0.04949
1		2778	-10.00000	27.00000	99.75000	0.00000	0.00000	-0.05236
1		2779	-9.00000	27.00000	99.75000	0.00000	0.00000	-0.05481
1		2780	-8.00000	27.00000	99.75000	0.00000	0.00000	-0.05680
1		2781	-7.00000	27.00000	99.75000	0.00000	0.00000	-0.05833
1		2782	-6.00000	27.00000	99.75000	0.00000	0.00000	-0.05942
1		2783	-5.00000	27.00000	99.75000	0.00000	0.00000	-0.06008
1		2784	-4.00000	27.00000	99.75000	0.00000	0.00000	-0.06033



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2785	-3.00000	27.00000	99.75000	0.00000	0.00000	-0.06019
1		2786	-2.00000	27.00000	99.75000	0.00000	0.00000	-0.05971
1		2787	-1.00000	27.00000	99.75000	0.00000	0.00000	-0.05891
1		2788	0.00000	27.00000	99.75000	0.00000	0.00000	-0.05784
1		2789	-40.00000	28.00000	99.75000	0.00000	0.00000	0.03198
1		2790	-39.00000	28.00000	99.75000	0.00000	0.00000	0.03240
1		2791	-38.00000	28.00000	99.75000	0.00000	0.00000	0.03264
1		2792	-37.00000	28.00000	99.75000	0.00000	0.00000	0.03266
1		2793	-36.00000	28.00000	99.75000	0.00000	0.00000	0.03246
1		2794	-35.00000	28.00000	99.75000	0.00000	0.00000	0.03200
1		2795	-34.00000	28.00000	99.75000	0.00000	0.00000	0.03126
1		2796	-33.00000	28.00000	99.75000	0.00000	0.00000	0.03023
1		2797	-32.00000	28.00000	99.75000	0.00000	0.00000	0.02888
1		2798	-31.00000	28.00000	99.75000	0.00000	0.00000	0.02722
1		2799	-30.00000	28.00000	99.75000	0.00000	0.00000	0.02524
1		2800	-29.00000	28.00000	99.75000	0.00000	0.00000	0.02293
1		2801	-28.00000	28.00000	99.75000	0.00000	0.00000	0.02030
1		2802	-27.00000	28.00000	99.75000	0.00000	0.00000	0.01737
1		2803	-26.00000	28.00000	99.75000	0.00000	0.00000	0.01415
1		2804	-25.00000	28.00000	99.75000	0.00000	0.00000	0.01067
1		2805	-24.00000	28.00000	99.75000	0.00000	0.00000	0.00694
1		2806	-23.00000	28.00000	99.75000	0.00000	0.00000	0.00302
1		2807	-22.00000	28.00000	99.75000	0.00000	0.00000	-0.00107
1		2808	-21.00000	28.00000	99.75000	0.00000	0.00000	-0.00530
1		2809	-20.00000	28.00000	99.75000	0.00000	0.00000	-0.00960



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2810	-19.00000	28.00000	99.75000	0.00000	0.00000	-0.01394
1		2811	-18.00000	28.00000	99.75000	0.00000	0.00000	-0.01826
1		2812	-17.00000	28.00000	99.75000	0.00000	0.00000	-0.02252
1		2813	-16.00000	28.00000	99.75000	0.00000	0.00000	-0.02667
1		2814	-15.00000	28.00000	99.75000	0.00000	0.00000	-0.03066
1		2815	-14.00000	28.00000	99.75000	0.00000	0.00000	-0.03443
1		2816	-13.00000	28.00000	99.75000	0.00000	0.00000	-0.03795
1		2817	-12.00000	28.00000	99.75000	0.00000	0.00000	-0.04118
1		2818	-11.00000	28.00000	99.75000	0.00000	0.00000	-0.04408
1		2819	-10.00000	28.00000	99.75000	0.00000	0.00000	-0.04663
1		2820	-9.00000	28.00000	99.75000	0.00000	0.00000	-0.04882
1		2821	-8.00000	28.00000	99.75000	0.00000	0.00000	-0.05062
1		2822	-7.00000	28.00000	99.75000	0.00000	0.00000	-0.05203
1		2823	-6.00000	28.00000	99.75000	0.00000	0.00000	-0.05307
1		2824	-5.00000	28.00000	99.75000	0.00000	0.00000	-0.05373
1		2825	-4.00000	28.00000	99.75000	0.00000	0.00000	-0.05405
1		2826	-3.00000	28.00000	99.75000	0.00000	0.00000	-0.05403
1		2827	-2.00000	28.00000	99.75000	0.00000	0.00000	-0.05370
1		2828	-1.00000	28.00000	99.75000	0.00000	0.00000	-0.05310
1		2829	0.00000	28.00000	99.75000	0.00000	0.00000	-0.05226
1		2830	-40.00000	29.00000	99.75000	0.00000	0.00000	0.02854
1		2831	-39.00000	29.00000	99.75000	0.00000	0.00000	0.02882
1		2832	-38.00000	29.00000	99.75000	0.00000	0.00000	0.02893
1		2833	-37.00000	29.00000	99.75000	0.00000	0.00000	0.02885



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2834	-36.00000	29.00000	99.75000	0.00000	0.00000	0.02857
1		2835	-35.00000	29.00000	99.75000	0.00000	0.00000	0.02807
1		2836	-34.00000	29.00000	99.75000	0.00000	0.00000	0.02732
1		2837	-33.00000	29.00000	99.75000	0.00000	0.00000	0.02632
1		2838	-32.00000	29.00000	99.75000	0.00000	0.00000	0.02505
1		2839	-31.00000	29.00000	99.75000	0.00000	0.00000	0.02351
1		2840	-30.00000	29.00000	99.75000	0.00000	0.00000	0.02169
1		2841	-29.00000	29.00000	99.75000	0.00000	0.00000	0.01959
1		2842	-28.00000	29.00000	99.75000	0.00000	0.00000	0.01723
1		2843	-27.00000	29.00000	99.75000	0.00000	0.00000	0.01460
1		2844	-26.00000	29.00000	99.75000	0.00000	0.00000	0.01174
1		2845	-25.00000	29.00000	99.75000	0.00000	0.00000	0.00865
1		2846	-24.00000	29.00000	99.75000	0.00000	0.00000	0.00536
1		2847	-23.00000	29.00000	99.75000	0.00000	0.00000	0.00190
1		2848	-22.00000	29.00000	99.75000	0.00000	0.00000	-0.00170
1		2849	-21.00000	29.00000	99.75000	0.00000	0.00000	-0.00540
1		2850	-20.00000	29.00000	99.75000	0.00000	0.00000	-0.00917
1		2851	-19.00000	29.00000	99.75000	0.00000	0.00000	-0.01297
1		2852	-18.00000	29.00000	99.75000	0.00000	0.00000	-0.01675
1		2853	-17.00000	29.00000	99.75000	0.00000	0.00000	-0.02047
1		2854	-16.00000	29.00000	99.75000	0.00000	0.00000	-0.02410
1		2855	-15.00000	29.00000	99.75000	0.00000	0.00000	-0.02758
1		2856	-14.00000	29.00000	99.75000	0.00000	0.00000	-0.03088
1		2857	-13.00000	29.00000	99.75000	0.00000	0.00000	-0.03397
1		2858	-12.00000	29.00000	99.75000	0.00000	0.00000	-0.03681



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2859	-11.00000	29.00000	99.75000	0.00000	0.00000	-0.03938
1		2860	-10.00000	29.00000	99.75000	0.00000	0.00000	-0.04164
1		2861	-9.00000	29.00000	99.75000	0.00000	0.00000	-0.04360
1		2862	-8.00000	29.00000	99.75000	0.00000	0.00000	-0.04523
1		2863	-7.00000	29.00000	99.75000	0.00000	0.00000	-0.04653
1		2864	-6.00000	29.00000	99.75000	0.00000	0.00000	-0.04750
1		2865	-5.00000	29.00000	99.75000	0.00000	0.00000	-0.04816
1		2866	-4.00000	29.00000	99.75000	0.00000	0.00000	-0.04852
1		2867	-3.00000	29.00000	99.75000	0.00000	0.00000	-0.04858
1		2868	-2.00000	29.00000	99.75000	0.00000	0.00000	-0.04838
1		2869	-1.00000	29.00000	99.75000	0.00000	0.00000	-0.04794
1		2870	0.00000	29.00000	99.75000	0.00000	0.00000	-0.04728
1		2871	-40.00000	30.00000	99.75000	0.00000	0.00000	0.02549
1		2872	-39.00000	30.00000	99.75000	0.00000	0.00000	0.02565
1		2873	-38.00000	30.00000	99.75000	0.00000	0.00000	0.02567
1		2874	-37.00000	30.00000	99.75000	0.00000	0.00000	0.02552
1		2875	-36.00000	30.00000	99.75000	0.00000	0.00000	0.02518
1		2876	-35.00000	30.00000	99.75000	0.00000	0.00000	0.02465
1		2877	-34.00000	30.00000	99.75000	0.00000	0.00000	0.02391
1		2878	-33.00000	30.00000	99.75000	0.00000	0.00000	0.02295
1		2879	-32.00000	30.00000	99.75000	0.00000	0.00000	0.02175
1		2880	-31.00000	30.00000	99.75000	0.00000	0.00000	0.02033
1		2881	-30.00000	30.00000	99.75000	0.00000	0.00000	0.01866
1		2882	-29.00000	30.00000	99.75000	0.00000	0.00000	0.01676



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Set: Ref.	Set: Name	Result: Ref.	Coordinates: x [m]	Coordinates: y [m]	Coordinates: z [m]	Displacements: x [mm]	Displacements: y [mm]	Displacements: z [mm]
1		2883	-28.00000	30.00000	99.75000	0.00000	0.00000	0.01463
1		2884	-27.00000	30.00000	99.75000	0.00000	0.00000	0.01228
1		2885	-26.00000	30.00000	99.75000	0.00000	0.00000	0.00972
1		2886	-25.00000	30.00000	99.75000	0.00000	0.00000	0.00698
1		2887	-24.00000	30.00000	99.75000	0.00000	0.00000	0.00407
1		2888	-23.00000	30.00000	99.75000	0.00000	0.00000	0.00101
1		2889	-22.00000	30.00000	99.75000	0.00000	0.00000	-0.00216
1		2890	-21.00000	30.00000	99.75000	0.00000	0.00000	-0.00542
1		2891	-20.00000	30.00000	99.75000	0.00000	0.00000	-0.00873
1		2892	-19.00000	30.00000	99.75000	0.00000	0.00000	-0.01206
1		2893	-18.00000	30.00000	99.75000	0.00000	0.00000	-0.01537
1		2894	-17.00000	30.00000	99.75000	0.00000	0.00000	-0.01864
1		2895	-16.00000	30.00000	99.75000	0.00000	0.00000	-0.02181
1		2896	-15.00000	30.00000	99.75000	0.00000	0.00000	-0.02487
1		2897	-14.00000	30.00000	99.75000	0.00000	0.00000	-0.02777
1		2898	-13.00000	30.00000	99.75000	0.00000	0.00000	-0.03049
1		2899	-12.00000	30.00000	99.75000	0.00000	0.00000	-0.03299
1		2900	-11.00000	30.00000	99.75000	0.00000	0.00000	-0.03526
1		2901	-10.00000	30.00000	99.75000	0.00000	0.00000	-0.03728
1		2902	-9.00000	30.00000	99.75000	0.00000	0.00000	-0.03903
1		2903	-8.00000	30.00000	99.75000	0.00000	0.00000	-0.04050
1		2904	-7.00000	30.00000	99.75000	0.00000	0.00000	-0.04170
1		2905	-6.00000	30.00000	99.75000	0.00000	0.00000	-0.04261
1		2906	-5.00000	30.00000	99.75000	0.00000	0.00000	-0.04326
1		2907	-4.00000	30.00000	99.75000	0.00000	0.00000	-0.04363



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1		2908	-3.00000	30.00000	99.75000	0.00000	0.00000	-0.04376
1		2909	-2.00000	30.00000	99.75000	0.00000	0.00000	-0.04366
1		2910	-1.00000	30.00000	99.75000	0.00000	0.00000	-0.04334
1		2911	0.00000	30.00000	99.75000	0.00000	0.00000	-0.04282

1 - Data point coincident with displacement location. Its displacement has been added to those calculated by Xdisp.

Polygonal Excavations

Ref. 1
 Excavation Name: Basement Deepening - 96.4 m OD to 96.0 m OD
 Surface level [m]: 96.400
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
	[m]	[m]	[m]			[m]	[%]	[%]	[m]	[%]	[%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		
1	-32.000	-4.1000	-32.000	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
2	-32.000	6.2000	-18.200	6.2000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))



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Side	x1 [m]	y1 [m]	x2 [m]	y2 [m]	G.M. Curve: Vertical	G.M. Curve: Horizontal
3	-18.200	6.2000	-18.200	3.4000	No vertical ground movement	6.15(a) No horizontal ground movement
4	-18.200	3.4000	-8.1000	3.4000	No vertical ground movement	No horizontal ground movement
5	-8.1000	3.4000	-8.1000	-4.1000	No vertical ground movement	No horizontal ground movement
6	-8.1000	-4.1000	-11.100	-4.1000	No vertical ground movement	Exc. in front of high stiffness underpinned wall in stiff clay
7	-11.100	-4.1000	-11.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
8	-11.100	-3.0000	-22.100	-3.0000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
9	-22.100	-3.0000	-22.100	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))
10	-22.100	-4.1000	-32.000	-4.1000	No vertical ground movement	Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))

Ref. 2
Excavation Name: Retaining Wall Installation - 96.4 m OD to 96.00 m OD
 Surface level [m]: 96.400
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x [m]	y [m]	Base Level [m]	Arc Enabled	Stiffened	Prev. Side: d [m]	Prev. Side: p1 [%]	Prev. Side: p2* [%]	Next Side: d [m]	Next Side: p1 [%]	Next Side: p2* [%]
1	-32.000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
2	-32.000	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-18.200	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-18.200	3.4000	96.000	Yes	No	-	-	-	-	-	-
5	-8.1000	3.4000	96.000	Yes	No	-	-	-	-	-	-
6	-8.1000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-11.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-
8	-11.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
9	-22.100	-3.0000	96.000	Yes	No	-	-	-	-	-	-
10	-22.100	-4.1000	96.000	Yes	No	-	-	-	-	-	-



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Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
Side	x1	y1	x2	y2		G.M. Curve: Vertical			G.M. Curve: Horizontal		
	[m]	[m]	[m]	[m]							
1	-32.000	-4.1000	-32.000	6.2000		Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))		
2	-32.000	6.2000	-18.200	6.2000		Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))		
3	-18.200	6.2000	-18.200	3.4000		No vertical ground movement			No horizontal ground movement		
4	-18.200	3.4000	-8.1000	3.4000		No vertical ground movement			No horizontal ground movement		
5	-8.1000	3.4000	-8.1000	-4.1000		No vertical ground movement			No horizontal ground movement		
6	-8.1000	-4.1000	-11.100	-4.1000		Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))		
7	-11.100	-4.1000	-11.100	-3.0000		Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))		
8	-11.100	-3.0000	-22.100	-3.0000		Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))		
9	-22.100	-3.0000	-22.100	-4.1000		Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))		
10	-22.100	-4.1000	-32.000	-4.1000		Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))			Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))		

Ref. 3
Excavation Name: Deep Excavation - Basement Excavation - 96.40 m OD to 96.00 m OD
 Surface level [m]: 96.400
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-



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Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
5	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
6	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical			G.M. Curve: Horizontal			
	[m]	[m]	[m]	[m]							
1	-18.193	3.4760	-18.097	6.2000	No	vertical	ground	movement	No	horizontal	ground
2	-18.097	6.2000	-5.0000	6.2000	No	vertical	ground	movement	Exc.	in front of high	stiffness underpinned wall in stiff clay
3	-5.0000	6.2000	-5.4000	-1.4000	No	vertical	ground	movement	Exc.	in front of high	stiffness underpinned wall in stiff clay
4	-5.4000	-1.4000	-7.5000	-4.1000	No	vertical	ground	movement	Exc.	in front of high	stiffness underpinned wall in stiff clay
5	-7.5000	-4.1000	-8.0000	-4.1000	No	vertical	ground	movement	Exc.	in front of high	stiffness underpinned wall in stiff clay
6	-8.0000	-4.1000	-8.0000	3.4760	No	vertical	ground	movement	No	horizontal	ground
7	-8.0000	3.4760	-18.193	3.4760	No	vertical	ground	movement	No	horizontal	ground

Ref. 4
Excavation Name: Deep Excavation - Retaining Wall Installation - 96.40 m OD to 96.00 m OD
 Surface level [m]: 96.400
 Contribution: Positive
 Surface movement curves which are selected are applied between surface and [m]: 96.000

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side:	Prev. Side:	Prev. Side:	Next Side:	Next Side:	Next Side:
	[m]	[m]	[m]			d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	-18.193	3.4760	96.000	Yes	No	-	-	-	-	-	-
2	-18.097	6.2000	96.000	Yes	No	-	-	-	-	-	-
3	-5.0000	6.2000	96.000	Yes	No	-	-	-	-	-	-
4	-5.4000	-1.4000	96.000	Yes	No	-	-	-	-	-	-
5	-7.5000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
6	-8.0000	-4.1000	96.000	Yes	No	-	-	-	-	-	-
7	-8.0000	3.4760	96.000	Yes	No	-	-	-	-	-	-

Side	x1	y1	x2	y2	G.M. Curve: Vertical			G.M. Curve: Horizontal		
	[m]	[m]	[m]	[m]						



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1	-18.193	3.4760	-18.097	6.2000	No vertical ground movement	No horizontal ground movement
2	-18.097	6.2000	-5.0000	6.2000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
3	-5.0000	6.2000	-5.4000	-1.4000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
4	-5.4000	-1.4000	-7.5000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
5	-7.5000	-4.1000	-8.0000	-4.1000	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))	Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
6	-8.0000	-4.1000	-8.0000	3.4760	No vertical ground movement	No horizontal ground movement
7	-8.0000	3.4760	-18.193	3.4760	No vertical ground movement	No horizontal ground movement

Circular Excavations

Vertical Ground Movement Curves

Curve Name: No vertical ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040]
 [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028]
 [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018]
 [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010]
 [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005]
 [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002]
 [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001]



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Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		

[1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial
 x Order: 4
 y Order: 0
 Polynomial: $z = -1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
 Coeff. of Determination: 1.0000

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z) (%)]

[0.000,0.000,0.050] [0.050,0.000,0.047] [0.100,0.000,0.043] [0.150,0.000,0.040]
 [0.200,0.000,0.037] [0.250,0.000,0.034] [0.300,0.000,0.031] [0.350,0.000,0.028]
 [0.400,0.000,0.025] [0.450,0.000,0.022] [0.500,0.000,0.020] [0.550,0.000,0.018]
 [0.600,0.000,0.015] [0.650,0.000,0.013] [0.700,0.000,0.012] [0.750,0.000,0.010]
 [0.800,0.000,0.008] [0.850,0.000,0.007] [0.900,0.000,0.006] [0.950,0.000,0.005]
 [1.000,0.000,0.004] [1.050,0.000,0.003] [1.100,0.000,0.003] [1.150,0.000,0.002]
 [1.200,0.000,0.002] [1.250,0.000,0.001] [1.300,0.000,0.001] [1.350,0.000,0.001]
 [1.400,0.000,0.001] [1.450,0.000,0.000] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial
 x Order: 4
 y Order: 0
 Polynomial: $z = -1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
 Coeff. of Determination: 1.0000

Horizontal Ground Movement Curves

Curve Name: No horizontal ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]

[0.000,0.000,0.000] [1.000,0.000,0.000] [0.000,1.000,0.000] [1.000,1.000,0.000]

Curve Fitting Method: Polynomial
 x Order: 0
 y Order: 0
 Polynomial: $z = 0.0$
 Coeff. of Determination:

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C580 Fig. 2.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]

[0.000,0.000,0.050] [1.500,0.000,0.000]

Curve Fitting Method: Polynomial



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Side	x1	y1	x2	y2	G.M. Curve: Vertical	G.M. Curve: Horizontal
	[m]	[m]	[m]	[m]		

x Order: 1
 y Order: 0
 Polynomial: z = -3.33E-2x + 5.00E-2
 Coeff. of Determination: 1.00

Curve Name: Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.050][1.500,0.000,0.000]

Curve Fitting Method: Polynomial
 x Order: 1
 y Order: 0
 Polynomial: z = -3.33E-2x + 5.00E-2
 Coeff. of Determination: 1.00

Curve Name: Exc. in front of low stiffness concrete retaining wall in stiff clay (CIRIA C760 Fig. 6.15(a))

Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.400][4.000,0.000,0.000]

Curve Fitting Method: Polynomial
 x Order: 1
 y Order: 0
 Polynomial: z = -10.E-2x + 4.0E-1
 Coeff. of Determination: 1.0

Curve Name: Exc. in front of high stiffness underpinned wall in stiff clay

Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z) (%)]
 [0.000,0.000,0.150][4.000,0.000,0.000]

Curve Fitting Method: Polynomial
 x Order: 1
 y Order: 0
 Polynomial: z = -3.75E-2x + 1.50E-1
 Coeff. of Determination: 1.00

Damage Category Strains

Ref.	Name	0 (Negligible)	1 (Very Slight)	2 (Slight)	3 (Moderate)
		to	to	to	to
		1 (Very Slight)	2 (Slight)	3 (Moderate)	4 (Severe)
1	Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000



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Ref.	Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
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Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance	Vertical	Vertical	Damage Category
Poisson's Ratio	E/G			Along	Along	Offsets from	Displacement	Strains
				Line: Start	Line: End	Line for Vertical Movement Calculations	Limit Sensitivity	
				[m]	[m]	[m]	[mm]	
0.20000	2.6000	1 No 11 Lyndhurst Terrace	No 11 LG - Line 1	No 11 LG - Line 1	0.00000	3.19900	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	2 No 11 Lyndhurst Terrace	No 11 LG - Line 2	No 11 LG - Line 2	0.00000	2.51900	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	3 No 11 Lyndhurst Terrace	No 11 LG - Line 3	No 11 LG - Line 3	0.00000	7.79500	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	4 No 11 Lyndhurst Terrace	No 11 LG - Line 4	No 11 LG - Line 4	0.00000	0.44100	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	5 No 11 Lyndhurst Terrace	No 11 LG - Line 5	No 11 LG - Line 5	0.00000	3.14300	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	6 No 11 Lyndhurst Terrace	No 11 LG - Line 6	No 11 LG - Line 6	0.00000	19.16200	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	7 No 11 Lyndhurst Terrace	No 11 LG - Line 7	No 11 LG - Line 7	0.00000	14.19600	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	8 No 11 Lyndhurst Terrace	No 11 LG - Line 8	No 11 LG - Line 8	0.00000	21.24500	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	9 No 7 Lyndhurst Terrace	No 7 LG - Line 1	No 7 LG - Line 1	0.00000	8.18800	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	10 No 7 Lyndhurst Terrace	No 7 LG - Line 2	No 7 LG - Line 2	0.00000	5.42200	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	11 No 7 Lyndhurst Terrace	No 7 LG - Line 3	No 7 LG - Line 3	0.00000	2.80400	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	12 No 7 Lyndhurst Terrace	No 7 LG - Line 4	No 7 LG - Line 4	0.00000	5.72600	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	13 No 7 Lyndhurst Terrace	No 7 LG - Line 5	No 7 LG - Line 5	0.00000	2.95200	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	14 No 7 Lyndhurst Terrace	No 7 LG - Line 6	No 7 LG - Line 6	0.00000	14.26600	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	15 No 7 Lyndhurst Terrace	No 7 LG - Line 7	No 7 LG - Line 7	0.00000	10.54400	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	16 No 7 Lyndhurst Terrace	No 7 LG - Line 8	No 7 LG - Line 8	0.00000	2.03800	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	17 No 7 Lyndhurst Terrace	No 7 LG - Line 9	No 7 LG - Line 9	0.00000	1.45900	0.0	0.10000 Burland Strain Limits
0.20000	2.6000	18 No 7 Lyndhurst Terrace	No 7 LG - Line 10	No 7 LG - Line 10	0.00000	2.69300	0.0	0.10000 Burland Strain Limits



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Ref.	Building Name	Sub-Building Name	Displacement Line	Distance	Distance	Vertical	Vertical	Damage Category
Poisson's	E/G			Along	Along	Offsets from	Displacement	Strains
Ratio								
0.20000	2.6000							
19	No 7 Lyndhurst Terrace	No 7 LG - Line 11	No 7 LG - Line 11	0.00000	1.45900	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
20	No 7 Lyndhurst Terrace	No 7 LG - Line 12	No 7 LG - Line 12	0.00000	6.95300	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
21	No 7 Lyndhurst Terrace	No 7 LG - Line 13	No 7 LG - Line 13	0.00000	1.85800	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
22	No 7 Lyndhurst Terrace	No 7 LG - Line 14	No 7 LG - Line 14	0.00000	2.52200	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
23	No 7 Lyndhurst Terrace	No 7 LG - Line 15	No 7 LG - Line 15	0.00000	8.66200	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
24	No 7 Lyndhurst Terrace	No 7 LG - Line 16	No 7 LG - Line 16	0.00000	1.17900	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
25	No 7 Lyndhurst Terrace	No 7 LG - Line 17	No 7 LG - Line 17	0.00000	0.93000	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
26	No 7 Lyndhurst Terrace	No 7 LG - Line 18	No 7 LG - Line 18	0.00000	6.92100	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
27	No 7 Lyndhurst Terrace	No 7 LG - Line 19	No 7 LG - Line 19	0.00000	1.18400	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
28	No 7 Lyndhurst Terrace	No 7 LG - Line 20	No 7 LG - Line 20	0.00000	1.84300	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
29	No 7 Lyndhurst Terrace	No 7 LG - Line 21	No 7 LG - Line 21	0.00000	1.34300	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
30	No 7 Lyndhurst Terrace	No 7 LG - Line 22	No 7 LG - Line 22	0.00000	6.70000	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
31	No 7 Lyndhurst Terrace	No 7 LG - Line 23	No 7 LG - Line 23	0.00000	23.74000	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
32	No 7 Lyndhurst Terrace	No 7 LG - Line 24	No 7 LG - Line 24	0.00000	4.82600	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
33	No 7 Lyndhurst Terrace	No 7 LG - Line 25	No 7 LG - Line 25	0.00000	4.91100	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.00000	70.00000	0.0	0.10000	Burland Strain Limits
0.20000	2.6000							

Specific Buildings - Bending Parameters

Ref.	Building Name	Sub-Building Name	Height	Default	Hogging: 2nd Mom. of Area (per unit width)	Hogging: Dist. of Bending Strain from N.A.	Hogging: Dist. of N.A. from Edge of Beam in Tension	Sagging: 2nd Mom. of Area (per unit width)	Sagging: Dist. of Bending Strain from N.A.	Sagging: Dist. of N.A. from Edge of Beam in Tension
			[m]		[m³]	[m]	[m]	[m³]	[m]	[m]
1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650



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Ref.	Building Name	Sub-Building Name	Height	Default	Hogging: 2nd Mom. of Area (per unit)	Hogging: Dist. of Bending Strain	Hogging: Dist. of N.A. from Edge of	Sagging: 2nd Mom. of Area (per unit)	Sagging: Dist. of Bending Strain	Sagging: Dist. of N.A. from Edge of
4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
8	No 11 Lyndhurst Terrace	No 11 LG - Line 8	15.330	Yes	1200.9	15.330	15.330	300.22	7.6650	7.6650
9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
10	No 7 Lyndhurst Terrace	No 7 LG - Line 2	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
11	No 7 Lyndhurst Terrace	No 7 LG - Line 3	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
12	No 7 Lyndhurst Terrace	No 7 LG - Line 4	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
13	No 7 Lyndhurst Terrace	No 7 LG - Line 5	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
14	No 7 Lyndhurst Terrace	No 7 LG - Line 6	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
15	No 7 Lyndhurst Terrace	No 7 LG - Line 7	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
16	No 7 Lyndhurst Terrace	No 7 LG - Line 8	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
17	No 7 Lyndhurst Terrace	No 7 LG - Line 9	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
18	No 7 Lyndhurst Terrace	No 7 LG - Line 10	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
19	No 7 Lyndhurst Terrace	No 7 LG - Line 11	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
20	No 7 Lyndhurst Terrace	No 7 LG - Line 12	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
21	No 7 Lyndhurst Terrace	No 7 LG - Line 13	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
22	No 7 Lyndhurst Terrace	No 7 LG - Line 14	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
23	No 7 Lyndhurst Terrace	No 7 LG - Line 15	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
24	No 7 Lyndhurst Terrace	No 7 LG - Line 16	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
25	No 7 Lyndhurst Terrace	No 7 LG - Line 17	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
26	No 7 Lyndhurst Terrace	No 7 LG - Line 18	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
27	No 7 Lyndhurst Terrace	No 7 LG - Line 19	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
28	No 7 Lyndhurst Terrace	No 7 LG - Line 20	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
29	No 7 Lyndhurst Terrace	No 7 LG - Line 21	17.230	Yes	1705.0	17.230	17.230	426.26	8.6150	8.6150
30	No 7 Lyndhurst Terrace	No 7 LG - Line 22	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
31	No 7 Lyndhurst Terrace	No 7 LG - Line 23	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
32	No 7 Lyndhurst Terrace	No 7 LG - Line 24	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
33	No 7 Lyndhurst Terrace	No 7 LG - Line 25	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.50000	Yes	0.041667	0.50000	0.50000	0.010417	0.25000	0.25000

Warnings

- Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- The following polygonal excavations have one or more re-entrant corners: 1, 2, 3, 4. The use of re-entrant corners is permitted but not recommended. CIRIA C580/C760, on which XDisp's method for modelling ground movements behind walls of excavations is based, considers only movements for points lying at right angles behind single walls. It does not consider how movements should be calculated within the zone of influence of re-entrant corners, i.e. where movements would be influenced by two walls adjacent to the re-entrant corner. By default, XDisp will merely sum the effects from both walls, making no allowance for interaction or stiffening of the corner. Please refer to help manual for artificial smoothing options. Re-entrant corners should be used with caution. Results in their vicinity should be validated independently.



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3	If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Vertical. This is an example only. There are 428 others.									
4	If an embedded wall excavation is assigned a 'sub-surface' ground movement curve then displacements induced by it can only be calculated for those points that are level with or below the embedded wall excavation's 'surface level'. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grid 1/Horizontal. This is an example only. There are 454 others.									

Errors

None

Displacement Results - Displacement Lines

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
0	Base Model 1	No 11 LG - Line 1		0.0	-31.74200	10.69900	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
				0.53328	-31.71650	11.23167	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
				1.0666	-31.69100	11.76433	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
				1.5998	-31.66550	12.29700	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
				2.1331	-31.64000	12.82967	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
				2.6664	-31.61450	13.36233	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
				3.1997	-31.58900	13.89500	98.25000	0.0	0.0	0.0	0.0	0.0	87.259
	2	No 11 LG - Line 2		0.0	-31.58900	13.89500	98.25000	0.0	0.0	0.0	0.0	0.0	357.27
				0.50397	-31.08560	13.87100	98.25000	0.0	0.0	0.0	0.0	0.0	357.27
				1.0079	-30.58220	13.84700	98.25000	0.0	0.0	0.0	0.0	0.0	357.27
				1.5119	-30.07880	13.82300	98.25000	0.0	0.0	0.0	0.0	0.0	357.27
				2.0159	-29.57540	13.79900	98.25000	0.0	0.0	0.0	0.0	0.0	357.27
				2.5199	-29.07200	13.77500	98.25000	0.0	0.0	0.0	0.0	0.0	357.27
				0.0	-29.07200	13.77500	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				0.48725	-29.04869	14.26169	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				0.97449	-29.02538	14.74838	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				1.4617	-29.00206	15.23506	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				1.9490	-28.97875	15.72175	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				2.4362	-28.95544	16.20844	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				2.9235	-28.93212	16.69513	98.25000	0.0	0.0	0.0	0.0	0.0	87.258



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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				3.4107	-28.90881	17.18181	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				3.8980	-28.88550	17.66850	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				4.3852	-28.86219	18.15519	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				4.8725	-28.83888	18.64187	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				5.3597	-28.81556	19.12856	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				5.8469	-28.79225	19.61525	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				6.3342	-28.76894	20.10194	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				6.8214	-28.74563	20.58863	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				7.3087	-28.72231	21.07531	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
				7.7959	-28.69900	21.56200	98.25000	0.0	0.0	0.0	0.0	0.0	87.258
	4		No 11 LG - Line 4	0.0	-28.69900	21.56200	98.25000	0.0	0.0	0.0	0.0	0.0	169.83
				0.22097	-28.91650	21.60100	98.25000	0.0	0.0	0.0	0.0	0.0	169.83
				0.44194	-29.13400	21.64000	98.25000	0.0	0.0	0.0	0.0	0.0	169.83
	5		No 11 LG - Line 5	0.0	-29.13400	21.64000	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
				0.52393	-29.10900	22.16333	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
				1.0479	-29.08400	22.68667	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
				1.5718	-29.05900	23.21000	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
				2.0957	-29.03400	23.73333	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
				2.6197	-29.00900	24.25667	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
				3.1436	-28.98400	24.78000	98.25000	0.0	0.0	0.0	0.0	0.0	87.265
	6		No 11 LG - Line 6	0.0	-28.98400	24.78000	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				0.50429	-28.48029	24.75592	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				1.0086	-27.97658	24.73184	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				1.5129	-27.47287	24.70776	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				2.0171	-26.96916	24.68368	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				2.5214	-26.46545	24.65961	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				3.0257	-25.96174	24.63553	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				3.5300	-25.45803	24.61145	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				4.0343	-24.95432	24.58737	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				4.5386	-24.45061	24.56329	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				5.0429	-23.94689	24.53921	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				5.5471	-23.44318	24.51513	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				6.0514	-22.93947	24.49105	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				6.5557	-22.43576	24.46697	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				7.0600	-21.93205	24.44289	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				7.5643	-21.42834	24.41882	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				8.0686	-20.92463	24.39474	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				8.5729	-20.42092	24.37066	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				9.0771	-19.91721	24.34658	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				9.5814	-19.41350	24.32250	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				10.086	-18.90979	24.29842	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				10.590	-18.40608	24.27434	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				11.094	-17.90237	24.25026	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				11.599	-17.39866	24.22618	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				12.103	-16.89495	24.20211	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				12.607	-16.39124	24.17803	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				13.111	-15.88753	24.15395	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				13.616	-15.38382	24.12987	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				14.120	-14.88011	24.10579	98.25000	0.0	0.0	0.0	0.0	0.0	357.26



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 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				14.624	-14.37639	24.08171	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				15.129	-13.87268	24.05763	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				15.633	-13.36897	24.03355	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				16.137	-12.86526	24.00947	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				16.641	-12.36155	23.98539	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				17.146	-11.85784	23.96132	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				17.650	-11.35413	23.93724	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				18.154	-10.85042	23.91316	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				18.659	-10.34671	23.88908	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
				19.163	-9.84300	23.86500	98.25000	0.0	0.0	0.0	0.0	0.0	357.26
7		No 11 LG - Line 7		0.0	-9.84300	23.86500	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				0.50701	-9.86721	23.35857	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				1.0140	-9.89143	22.85214	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				1.5210	-9.91564	22.34571	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				2.0280	-9.93986	21.83929	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				2.5350	-9.96407	21.33286	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				3.0420	-9.98829	20.82643	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				3.5490	-10.01250	20.32000	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				4.0561	-10.03671	19.81357	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				4.5631	-10.06093	19.30714	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				5.0701	-10.08514	18.80071	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				5.5771	-10.10936	18.29429	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				6.0841	-10.13357	17.78786	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				6.5911	-10.15779	17.28143	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				7.0981	-10.18200	16.77500	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				7.6051	-10.20621	16.26857	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				8.1121	-10.23043	15.76214	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				8.6191	-10.25464	15.25571	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				9.1261	-10.27886	14.74929	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				9.6331	-10.30307	14.24286	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				10.140	-10.32729	13.73643	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				10.647	-10.35150	13.23000	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				11.154	-10.37571	12.72357	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				11.661	-10.39993	12.21714	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				12.168	-10.42414	11.71071	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				12.675	-10.44836	11.20429	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				13.182	-10.47257	10.69786	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				13.689	-10.49679	10.19143	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
				14.196	-10.52100	9.68500	98.25000	0.0	0.0	0.0	0.0	0.0	267.26
8		No 11 LG - Line 8		0.0	-10.52100	9.68500	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				0.50584	-11.02626	9.70914	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				1.0117	-11.53152	9.73329	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				1.5175	-12.03679	9.75743	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				2.0234	-12.54205	9.78157	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				2.5292	-13.04731	9.80571	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				3.0350	-13.55257	9.82986	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				3.5409	-14.05783	9.85400	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				4.0467	-14.56310	9.87814	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				4.5525	-15.06836	9.90229	98.25000	0.0	0.0	0.0	0.0	0.0	177.26



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	$\delta H //$	δH_{perp}	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				5.0584	-15.57362	9.92643	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				5.5642	-16.07888	9.95057	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				6.0701	-16.58414	9.97471	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				6.5759	-17.08940	9.99886	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				7.0817	-17.59467	10.02300	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				7.5876	-18.09993	10.04714	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				8.0934	-18.60519	10.07129	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				8.5993	-19.11045	10.09543	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				9.1051	-19.61571	10.11957	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				9.6109	-20.12098	10.14371	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				10.117	-20.62624	10.16786	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				10.623	-21.13150	10.19200	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				11.128	-21.63676	10.21614	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				11.634	-22.14202	10.24029	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				12.140	-22.64729	10.26443	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				12.646	-23.15255	10.28857	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				13.152	-23.65781	10.31271	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				13.658	-24.16307	10.33686	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				14.163	-24.66833	10.36100	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				14.669	-25.17360	10.38514	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				15.175	-25.67886	10.40929	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				15.681	-26.18412	10.43343	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				16.187	-26.68938	10.45757	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				16.693	-27.19464	10.48171	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				17.199	-27.69990	10.50586	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				17.704	-28.20517	10.53000	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				18.210	-28.71043	10.55414	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				18.716	-29.21569	10.57829	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				19.222	-29.72095	10.60243	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				19.728	-30.22621	10.62657	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				20.234	-30.73148	10.65071	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				20.739	-31.23674	10.67486	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
				21.245	-31.74200	10.69900	98.25000	0.0	0.0	0.0	0.0	0.0	177.26
9			No 7 LG - Line 1	0.0	-20.99000	-4.35700	96.40000	-0.39392	0.30972	0.0	-0.39274	0.31121	0.21692
				1.0235	-19.96650	-4.35313	96.40000	0.0	0.24688	0.0	934.67E-6	0.24687	0.21692
				2.0470	-18.94300	-4.34925	96.40000	0.0	0.25075	0.0	949.34E-6	0.25075	0.21692
				3.0705	-17.91950	-4.34537	96.40000	0.0	0.25463	0.0	964.01E-6	0.25462	0.21692
				4.0940	-16.89600	-4.34150	96.40000	0.0	0.25850	0.0	978.68E-6	0.25850	0.21692
				5.1175	-15.87250	-4.33763	96.40000	0.0	0.26238	0.0	993.35E-6	0.26237	0.21692
				6.1410	-14.84900	-4.33375	96.40000	0.0	0.26625	0.0	0.0010080	0.26625	0.21692
				7.1646	-13.82550	-4.32987	96.40000	0.0	0.27013	0.0	0.0010227	0.27012	0.21692
				8.1881	-12.80200	-4.32600	96.40000	0.0	0.27400	0.0	0.0010374	0.27400	0.21692
10			No 7 LG - Line 2	0.0	-12.70200	-4.32600	96.40000	0.0	0.27400	0.0	-0.27400	303.21E-6	270.06
				1.0844	-12.70080	-5.41040	96.40000	0.0	0.0	0.0	0.0	0.0	270.06
				2.1688	-12.69960	-6.49480	96.40000	0.0	0.0	0.0	0.0	0.0	270.06
				3.2532	-12.69840	-7.57920	96.40000	0.0	0.0	0.0	0.0	0.0	270.06
				4.3376	-12.69720	-8.66360	96.40000	0.0	0.0	0.0	0.0	0.0	270.06
				5.4220	-12.69600	-9.74800	96.40000	0.0	0.0	0.0	0.0	0.0	270.06
11			No 7 LG - Line 3	0.0	-12.69600	-9.84800	96.40000	0.0	0.0	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				0.93500	-11.76100	-9.84800	96.40000	0.0	0.0	0.0	0.0	0.0	0.0
				1.8700	-10.82600	-9.84800	96.40000	0.0	0.0	0.0	0.0	0.0	0.0
				2.8050	-9.89100	-9.84800	96.40000	0.0	0.0	0.0	0.0	0.0	0.0
	12		No 7 LG - Line 4	0.0	-9.89100	-9.94800	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
				0.95449	-9.87383	-10.90233	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
				1.9090	-9.85667	-11.85667	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
				2.8635	-9.83950	-12.81100	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
				3.8180	-9.82233	-13.76533	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
				4.7724	-9.80517	-14.71967	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
				5.7269	-9.78800	-15.67400	96.40000	0.0	0.0	0.0	0.0	0.0	271.03
	13		No 7 LG - Line 5	0.0	-9.78800	-15.77400	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.98400	-10.77200	-15.77400	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.9680	-11.75600	-15.77400	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				2.9520	-12.74000	-15.77400	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.0	-12.74000	-15.87400	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
	14		No 7 LG - Line 6	0.95107	-12.79640	-16.82340	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				1.9021	-12.85280	-17.77280	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				2.8532	-12.90920	-18.72220	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				3.8043	-12.96560	-19.67160	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				4.7554	-13.02200	-20.62100	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				5.7064	-13.07840	-21.57040	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				6.6575	-13.13480	-22.51980	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				7.6086	-13.19120	-23.46920	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				8.5597	-13.24760	-24.41860	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				9.5107	-13.30400	-25.36800	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				10.462	-13.36040	-26.31740	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				11.413	-13.41680	-27.26680	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				12.364	-13.47320	-28.21620	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				13.315	-13.52960	-29.16560	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				14.266	-13.58600	-30.11500	96.40000	0.0	0.0	0.0	0.0	0.0	266.60
				0.0	-13.58600	-30.21500	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
	15		No 7 LG - Line 7	1.0545	-14.64010	-30.24270	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				2.1089	-15.69420	-30.27040	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				3.1634	-16.74830	-30.29810	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				4.2179	-17.80240	-30.32580	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				5.2723	-18.85650	-30.35350	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				6.3268	-19.91060	-30.38120	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				7.3812	-20.96470	-30.40890	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				8.4357	-22.01880	-30.43660	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				9.4902	-23.07290	-30.46430	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				10.545	-24.12700	-30.49200	96.40000	0.0	0.0	0.0	0.0	0.0	181.51
				0.0	-24.22700	-30.49200	96.40000	0.0	0.0	0.0	0.0	0.0	90.394
	16		No 7 LG - Line 8	1.0190	-24.23400	-29.47300	96.40000	0.0	0.0	0.0	0.0	0.0	90.394
				2.0380	-24.24100	-28.45400	96.40000	0.0	0.0	0.0	0.0	0.0	90.394
				0.0	-24.34100	-28.45400	96.40000	0.0	0.0	0.0	0.0	0.0	180.47
	17		No 7 LG - Line 9	0.72952	-25.07050	-28.46000	96.40000	0.0	0.0	0.0	0.0	0.0	180.47
				1.4590	-25.80000	-28.46600	96.40000	0.0	0.0	0.0	0.0	0.0	180.47
				0.0	-25.90000	-28.46600	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
	18		No 7 LG - Line 10	1.3465	-25.90950	-27.11950	96.40000	0.0	0.0	0.0	0.0	0.0	90.404



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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
		19	No 7 LG - Line 11	2.6931	-25.91900	-25.77300	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				0.0	-25.81900	-25.77300	96.40000	0.0	0.0	0.0	0.0	0.0	0.47124
				0.72952	-25.08950	-25.76700	96.40000	0.0	0.0	0.0	0.0	0.0	0.47124
				1.4590	-24.36000	-25.76100	96.40000	0.0	0.0	0.0	0.0	0.0	0.47124
		20	No 7 LG - Line 12	0.0	-24.26000	-25.76100	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				0.99331	-24.26700	-24.76771	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				1.9866	-24.27400	-23.77443	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				2.9799	-24.28100	-22.78114	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				3.9732	-24.28800	-21.78786	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				4.9666	-24.29500	-20.79457	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				5.9599	-24.30200	-19.80129	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
				6.9532	-24.30900	-18.80800	96.40000	0.0	0.0	0.0	0.0	0.0	90.404
		21	No 7 LG - Line 13	0.0	-24.30900	-18.70800	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.92900	-25.23800	-18.70800	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.8580	-26.16700	-18.70800	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
		22	No 7 LG - Line 14	0.0	-26.26700	-18.70800	96.40000	0.0	0.0	0.0	0.0	0.0	126.44
				0.84069	-26.76633	-18.03167	96.40000	0.0	0.0	0.0	0.0	0.0	126.44
				1.6814	-27.26567	-17.35533	96.40000	0.0	0.0	0.0	0.0	0.0	126.44
				2.5221	-27.76500	-16.67900	96.40000	0.0	0.0	0.0	0.0	0.0	126.44
		23	No 7 LG - Line 15	0.0	-27.76500	-16.57900	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				1.0829	-27.72513	-15.49688	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				2.1657	-27.68525	-14.41475	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				3.2486	-27.64538	-13.33263	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				4.3314	-27.60550	-12.25050	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				5.4143	-27.56563	-11.16838	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				6.4972	-27.52575	-10.08625	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				7.5800	-27.48588	-9.00413	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
				8.6629	-27.44600	-7.92200	96.40000	0.0	0.0	0.0	0.0	0.0	87.890
		24	No 7 LG - Line 16	0.0	-27.44600	-7.82200	96.40000	0.0	0.0	0.0	0.0	0.0	0.048597
				0.58950	-26.85650	-7.82150	96.40000	0.0	0.0	0.0	0.0	0.0	0.048597
				1.1790	-26.26700	-7.82100	96.40000	0.0	0.0	0.0	0.0	0.0	0.048597
		25	No 7 LG - Line 17	0.0	-26.16700	-7.82100	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.093000	-26.16710	-7.72800	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.18600	-26.16720	-7.63500	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.27900	-26.16730	-7.54200	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.37200	-26.16740	-7.44900	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.46500	-26.16750	-7.35600	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.55800	-26.16760	-7.26300	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.65100	-26.16770	-7.17000	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.74400	-26.16780	-7.07700	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.83700	-26.16790	-6.98400	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
				0.93000	-26.16800	-6.89100	96.40000	0.0	0.0	0.0	0.0	0.0	90.062
		26	No 7 LG - Line 18	0.0	-26.06800	-6.89100	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				0.98871	-25.07929	-6.89000	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				1.9774	-24.09057	-6.88900	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				2.9661	-23.10186	-6.88800	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				3.9549	-22.11314	-6.88700	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				4.9436	-21.12443	-6.88600	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				5.9323	-20.13571	-6.88500	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950



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Stage Ref.	Stage Name	Disp. Line Ref.	Disp. Line Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
27	No 7 LG - Line 19			6.9210	-19.14700	-6.88400	96.40000	0.0	0.0	0.0	0.0	0.0	0.057950
				0.0	-19.04700	-6.88400	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.11840	-19.04700	-6.76560	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.23680	-19.04700	-6.64720	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.35520	-19.04700	-6.52880	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.47360	-19.04700	-6.41040	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.59200	-19.04700	-6.29200	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.71040	-19.04700	-6.17360	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.82880	-19.04700	-6.05520	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.94720	-19.04700	-5.93680	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				1.0656	-19.04700	-5.81840	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				1.1840	-19.04700	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
28	No 7 LG - Line 20			0.0	-19.14700	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.18430	-19.33130	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.36860	-19.51560	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.55290	-19.69990	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.73720	-19.88420	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				0.92150	-20.06850	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.1058	-20.25280	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.2901	-20.43710	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.4744	-20.62140	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.6587	-20.80570	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
				1.8430	-20.99000	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	180.00
29	No 7 LG - Line 21			0.0	-21.09000	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.13430	-21.09000	-5.56570	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.26860	-21.09000	-5.43140	96.40000	0.0	0.0	0.0	0.0	0.0	90.000
				0.40290	-21.09000	-5.29710	96.40000	-0.015057	0.018690	0.0	0.018690	0.015057	90.000
				0.53720	-21.09000	-5.16280	96.40000	-0.064747	0.069087	0.0	0.069087	0.064747	90.000
				0.67150	-21.09000	-5.02850	96.40000	-0.12013	0.10793	0.0	0.10793	0.12013	90.000
				0.80580	-21.09000	-4.89420	96.40000	-0.18146	0.13369	0.0	0.13369	0.18146	90.000
				0.94010	-21.09000	-4.75990	96.40000	-0.24854	0.14499	0.0	0.14499	0.24854	90.000
				1.0744	-21.09000	-4.62560	96.40000	-0.32047	0.14095	0.0	0.14095	0.32047	90.000
				1.2087	-21.09000	-4.49130	96.40000	-0.39523	0.23032	0.0	0.23032	0.39523	90.000
				1.3430	-21.09000	-4.35700	96.40000	-0.46933	0.33148	0.0	0.33148	0.46933	90.000
30	No 7 LG - Line 22			0.0	-24.32700	-30.49200	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				0.95720	-25.28300	-30.44414	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				1.9144	-26.23900	-30.39629	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				2.8716	-27.19500	-30.34843	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				3.8288	-28.15100	-30.30057	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				4.7860	-29.10700	-30.25271	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				5.7432	-30.06300	-30.20486	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
				6.7004	-31.01900	-30.15700	96.40000	0.0	0.0	0.0	0.0	0.0	177.13
31	No 7 LG - Line 23			0.0	-31.11900	-30.15700	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				0.98917	-31.11825	-29.16783	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				1.9783	-31.11750	-28.17867	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				2.9675	-31.11675	-27.18950	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				3.9567	-31.11600	-26.20033	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				4.9458	-31.11525	-25.21117	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				5.9350	-31.11450	-24.22200	96.40000	0.0	0.0	0.0	0.0	0.0	89.957



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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				6.9242	-31.11375	-23.23283	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				7.9133	-31.11300	-22.24367	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				8.9025	-31.11225	-21.25450	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				9.8917	-31.11150	-20.26533	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				10.881	-31.11075	-19.27617	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				11.870	-31.11000	-18.28700	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				12.859	-31.10925	-17.29783	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				13.848	-31.10850	-16.30867	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				14.838	-31.10775	-15.31950	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				15.827	-31.10700	-14.33033	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				16.816	-31.10625	-13.34117	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				17.805	-31.10550	-12.35200	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				18.794	-31.10475	-11.36283	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				19.783	-31.10400	-10.37367	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				20.773	-31.10325	-9.38450	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				21.762	-31.10250	-8.39533	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				22.751	-31.10175	-7.40617	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
				23.740	-31.10100	-6.41700	96.40000	0.0	0.0	0.0	0.0	0.0	89.957
		32	No 7 LG - Line 24	0.0	-31.00100	-6.41700	96.40000	0.0	0.0	0.0	0.0	0.0	3.4327
				0.96533	-30.03740	-6.35920	96.40000	0.0	0.0	0.0	0.0	0.0	3.4327
				1.9307	-29.07380	-6.30140	96.40000	0.0	0.0	0.0	0.0	0.0	3.4327
				2.8960	-28.11020	-6.24360	96.40000	0.0	0.0	0.0	0.0	0.0	3.4327
				3.8613	-27.14660	-6.18580	96.40000	0.0	0.0	0.0	0.0	0.0	3.4327
				4.8267	-26.18300	-6.12800	96.40000	0.0	0.0	0.0	0.0	0.0	3.4327
		33	No 7 LG - Line 25	0.0	-26.08300	-6.12800	96.40000	0.0	0.0	0.0	0.0	0.0	4.9990
				0.98234	-25.10440	-6.04240	96.40000	0.0	0.0	0.0	0.0	0.0	4.9990
				1.9647	-24.12580	-5.95680	96.40000	0.0	0.0	0.0	0.0	0.0	4.9990
				2.9470	-23.14720	-5.87120	96.40000	0.0	0.0	0.0	0.0	0.0	4.9990
				3.9293	-22.16860	-5.78560	96.40000	0.0	0.0	0.0	0.0	0.0	4.9990
				4.9117	-21.19000	-5.70000	96.40000	0.0	0.0	0.0	0.0	0.0	4.9990
		34	Thames Water Asset	0.0	2.00000	-40.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				1.0000	2.00000	-39.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				2.0000	2.00000	-38.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				3.0000	2.00000	-37.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				4.0000	2.00000	-36.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				5.0000	2.00000	-35.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				6.0000	2.00000	-34.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				7.0000	2.00000	-33.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				8.0000	2.00000	-32.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				9.0000	2.00000	-31.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				10.000	2.00000	-30.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				11.000	2.00000	-29.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				12.000	2.00000	-28.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				13.000	2.00000	-27.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				14.000	2.00000	-26.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				15.000	2.00000	-25.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				16.000	2.00000	-24.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				17.000	2.00000	-23.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				18.000	2.00000	-22.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	$\delta H //$	$\delta H_{perp.}$	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[$^{\circ}$]
				19.000	2.00000	-21.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				20.000	2.00000	-20.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				21.000	2.00000	-19.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				22.000	2.00000	-18.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				23.000	2.00000	-17.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				24.000	2.00000	-16.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				25.000	2.00000	-15.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				26.000	2.00000	-14.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				27.000	2.00000	-13.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				28.000	2.00000	-12.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				29.000	2.00000	-11.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				30.000	2.00000	-10.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				31.000	2.00000	-9.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				32.000	2.00000	-8.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				33.000	2.00000	-7.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				34.000	2.00000	-6.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				35.000	2.00000	-5.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				36.000	2.00000	-4.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				37.000	2.00000	-3.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				38.000	2.00000	-2.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				39.000	2.00000	-1.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				40.000	2.00000	0.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				41.000	2.00000	1.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				42.000	2.00000	2.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				43.000	2.00000	3.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				44.000	2.00000	4.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				45.000	2.00000	5.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				46.000	2.00000	6.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				47.000	2.00000	7.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				48.000	2.00000	8.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				49.000	2.00000	9.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				50.000	2.00000	10.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				51.000	2.00000	11.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				52.000	2.00000	12.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				53.000	2.00000	13.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				54.000	2.00000	14.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				55.000	2.00000	15.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				56.000	2.00000	16.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				57.000	2.00000	17.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				58.000	2.00000	18.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				59.000	2.00000	19.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				60.000	2.00000	20.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				61.000	2.00000	21.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				62.000	2.00000	22.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				63.000	2.00000	23.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				64.000	2.00000	24.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				65.000	2.00000	25.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				66.000	2.00000	26.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				67.000	2.00000	27.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	$\delta H //$	δH_{perp} .	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[$^{\circ}$]
				68.000	2.00000	28.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				69.000	2.00000	29.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				70.000	2.00000	30.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
	35		Lyndhurst Terrace Curb Line	0.0	-1.00000	-40.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				1.0000	-1.00000	-39.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				2.0000	-1.00000	-38.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				3.0000	-1.00000	-37.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				4.0000	-1.00000	-36.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				5.0000	-1.00000	-35.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				6.0000	-1.00000	-34.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				7.0000	-1.00000	-33.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				8.0000	-1.00000	-32.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				9.0000	-1.00000	-31.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				10.000	-1.00000	-30.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				11.000	-1.00000	-29.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				12.000	-1.00000	-28.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				13.000	-1.00000	-27.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				14.000	-1.00000	-26.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				15.000	-1.00000	-25.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				16.000	-1.00000	-24.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				17.000	-1.00000	-23.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				18.000	-1.00000	-22.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				19.000	-1.00000	-21.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				20.000	-1.00000	-20.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				21.000	-1.00000	-19.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				22.000	-1.00000	-18.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				23.000	-1.00000	-17.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				24.000	-1.00000	-16.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				25.000	-1.00000	-15.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				26.000	-1.00000	-14.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				27.000	-1.00000	-13.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				28.000	-1.00000	-12.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				29.000	-1.00000	-11.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				30.000	-1.00000	-10.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				31.000	-1.00000	-9.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				32.000	-1.00000	-8.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				33.000	-1.00000	-7.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				34.000	-1.00000	-6.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				35.000	-1.00000	-5.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				36.000	-1.00000	-4.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				37.000	-1.00000	-3.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				38.000	-1.00000	-2.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				39.000	-1.00000	-1.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				40.000	-1.00000	0.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				41.000	-1.00000	1.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				42.000	-1.00000	2.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				43.000	-1.00000	3.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				44.000	-1.00000	4.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				45.000	-1.00000	5.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	δH//	δHperp.	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				46.000	-1.00000	6.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				47.000	-1.00000	7.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				48.000	-1.00000	8.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				49.000	-1.00000	9.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				50.000	-1.00000	10.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				51.000	-1.00000	11.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				52.000	-1.00000	12.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				53.000	-1.00000	13.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				54.000	-1.00000	14.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				55.000	-1.00000	15.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				56.000	-1.00000	16.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				57.000	-1.00000	17.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				58.000	-1.00000	18.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				59.000	-1.00000	19.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				60.000	-1.00000	20.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				61.000	-1.00000	21.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				62.000	-1.00000	22.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				63.000	-1.00000	23.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				64.000	-1.00000	24.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				65.000	-1.00000	25.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				66.000	-1.00000	26.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				67.000	-1.00000	27.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				68.000	-1.00000	28.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				69.000	-1.00000	29.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
				70.000	-1.00000	30.00000	99.25000	0.0	0.0	0.0	0.0	0.0	90.000
	36		Cadent Gas Asset	0.0	0.00000	-40.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				1.0000	0.00000	-39.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				2.0000	0.00000	-38.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				3.0000	0.00000	-37.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				4.0000	0.00000	-36.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				5.0000	0.00000	-35.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				6.0000	0.00000	-34.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				7.0000	0.00000	-33.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				8.0000	0.00000	-32.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				9.0000	0.00000	-31.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				10.000	0.00000	-30.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				11.000	0.00000	-29.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				12.000	0.00000	-28.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				13.000	0.00000	-27.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				14.000	0.00000	-26.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				15.000	0.00000	-25.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				16.000	0.00000	-24.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				17.000	0.00000	-23.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				18.000	0.00000	-22.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				19.000	0.00000	-21.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				20.000	0.00000	-20.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				21.000	0.00000	-19.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				22.000	0.00000	-18.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				23.000	0.00000	-17.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	$\delta H//$	$\delta H_{perp.}$	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				24.000	0.00000	-16.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				25.000	0.00000	-15.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				26.000	0.00000	-14.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				27.000	0.00000	-13.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				28.000	0.00000	-12.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				29.000	0.00000	-11.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				30.000	0.00000	-10.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				31.000	0.00000	-9.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				32.000	0.00000	-8.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				33.000	0.00000	-7.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				34.000	0.00000	-6.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				35.000	0.00000	-5.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				36.000	0.00000	-4.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				37.000	0.00000	-3.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				38.000	0.00000	-2.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				39.000	0.00000	-1.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				40.000	0.00000	0.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				41.000	0.00000	1.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				42.000	0.00000	2.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				43.000	0.00000	3.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				44.000	0.00000	4.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				45.000	0.00000	5.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				46.000	0.00000	6.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				47.000	0.00000	7.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				48.000	0.00000	8.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				49.000	0.00000	9.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				50.000	0.00000	10.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				51.000	0.00000	11.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				52.000	0.00000	12.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				53.000	0.00000	13.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				54.000	0.00000	14.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				55.000	0.00000	15.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				56.000	0.00000	16.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				57.000	0.00000	17.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				58.000	0.00000	18.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				59.000	0.00000	19.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				60.000	0.00000	20.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				61.000	0.00000	21.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				62.000	0.00000	22.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				63.000	0.00000	23.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				64.000	0.00000	24.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				65.000	0.00000	25.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				66.000	0.00000	26.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				67.000	0.00000	27.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				68.000	0.00000	28.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				69.000	0.00000	29.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				70.000	0.00000	30.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
			37	UKPN Asset	0.0	-2.00000	-40.00000	98.75000	0.0	0.0	0.0	0.0	90.000
					1.0000	-2.00000	-39.00000	98.75000	0.0	0.0	0.0	0.0	90.000



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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	$\delta H //$	δH_{perp} .	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[$^{\circ}$]
				2.0000	-2.00000	-38.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				3.0000	-2.00000	-37.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				4.0000	-2.00000	-36.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				5.0000	-2.00000	-35.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				6.0000	-2.00000	-34.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				7.0000	-2.00000	-33.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				8.0000	-2.00000	-32.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				9.0000	-2.00000	-31.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				10.000	-2.00000	-30.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				11.000	-2.00000	-29.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				12.000	-2.00000	-28.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				13.000	-2.00000	-27.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				14.000	-2.00000	-26.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				15.000	-2.00000	-25.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				16.000	-2.00000	-24.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				17.000	-2.00000	-23.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				18.000	-2.00000	-22.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				19.000	-2.00000	-21.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				20.000	-2.00000	-20.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				21.000	-2.00000	-19.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				22.000	-2.00000	-18.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				23.000	-2.00000	-17.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				24.000	-2.00000	-16.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				25.000	-2.00000	-15.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				26.000	-2.00000	-14.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				27.000	-2.00000	-13.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				28.000	-2.00000	-12.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				29.000	-2.00000	-11.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				30.000	-2.00000	-10.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				31.000	-2.00000	-9.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				32.000	-2.00000	-8.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				33.000	-2.00000	-7.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				34.000	-2.00000	-6.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				35.000	-2.00000	-5.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				36.000	-2.00000	-4.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				37.000	-2.00000	-3.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				38.000	-2.00000	-2.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				39.000	-2.00000	-1.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				40.000	-2.00000	0.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				41.000	-2.00000	1.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				42.000	-2.00000	2.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				43.000	-2.00000	3.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				44.000	-2.00000	4.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				45.000	-2.00000	5.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				46.000	-2.00000	6.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				47.000	-2.00000	7.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				48.000	-2.00000	8.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				49.000	-2.00000	9.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				50.000	-2.00000	10.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000



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Stage: Ref.	Stage: Name	Disp. Line: Ref.	Disp. Line: Name	Chainage	x	y	z	δx	δy	δz	$\delta H //$	$\delta H_{\text{perp.}}$	Angle
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
				51.000	-2.00000	11.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				52.000	-2.00000	12.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				53.000	-2.00000	13.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				54.000	-2.00000	14.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				55.000	-2.00000	15.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				56.000	-2.00000	16.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				57.000	-2.00000	17.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				58.000	-2.00000	18.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				59.000	-2.00000	19.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				60.000	-2.00000	20.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				61.000	-2.00000	21.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				62.000	-2.00000	22.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				63.000	-2.00000	23.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				64.000	-2.00000	24.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				65.000	-2.00000	25.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				66.000	-2.00000	26.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				67.000	-2.00000	27.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				68.000	-2.00000	28.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				69.000	-2.00000	29.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000
				70.000	-2.00000	30.00000	98.75000	0.0	0.0	0.0	0.0	0.0	90.000

Displacement Results - Displacement Grids

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
0	Base Model 1	Grid 1		-40.00000	-40.00000	99.75000	0.0	0.0	0.012648	*
				-39.00000	-40.00000	99.75000	0.0	0.0	0.012790	*
				-38.00000	-40.00000	99.75000	0.0	0.0	0.012899	*
				-37.00000	-40.00000	99.75000	0.0	0.0	0.012973	*
				-36.00000	-40.00000	99.75000	0.0	0.0	0.013009	*
				-35.00000	-40.00000	99.75000	0.0	0.0	0.013006	*
				-34.00000	-40.00000	99.75000	0.0	0.0	0.012961	*
				-33.00000	-40.00000	99.75000	0.0	0.0	0.012873	*
				-32.00000	-40.00000	99.75000	0.0	0.0	0.012740	*
				-31.00000	-40.00000	99.75000	0.0	0.0	0.012562	*
				-30.00000	-40.00000	99.75000	0.0	0.0	0.012338	*
				-29.00000	-40.00000	99.75000	0.0	0.0	0.012068	*
				-28.00000	-40.00000	99.75000	0.0	0.0	0.011752	*
				-27.00000	-40.00000	99.75000	0.0	0.0	0.011391	*
				-26.00000	-40.00000	99.75000	0.0	0.0	0.010986	*
				-25.00000	-40.00000	99.75000	0.0	0.0	0.010539	*
				-24.00000	-40.00000	99.75000	0.0	0.0	0.010051	*
				-23.00000	-40.00000	99.75000	0.0	0.0	0.0095259	*
				-22.00000	-40.00000	99.75000	0.0	0.0	0.0089654	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-21.00000	-40.00000	99.75000	0.0	0.0	0.0083732	*
				-20.00000	-40.00000	99.75000	0.0	0.0	0.0077529	*
				-19.00000	-40.00000	99.75000	0.0	0.0	0.0071083	*
				-18.00000	-40.00000	99.75000	0.0	0.0	0.0064436	*
				-17.00000	-40.00000	99.75000	0.0	0.0	0.0057631	*
				-16.00000	-40.00000	99.75000	0.0	0.0	0.0050714	*
				-15.00000	-40.00000	99.75000	0.0	0.0	0.0043731	*
				-14.00000	-40.00000	99.75000	0.0	0.0	0.0036726	*
				-13.00000	-40.00000	99.75000	0.0	0.0	0.0029747	*
				-12.00000	-40.00000	99.75000	0.0	0.0	0.0022837	*
				-11.00000	-40.00000	99.75000	0.0	0.0	0.0016041	*
				-10.00000	-40.00000	99.75000	0.0	0.0	939.83E-6	*
				-9.00000	-40.00000	99.75000	0.0	0.0	294.90E-6	*
				-8.00000	-40.00000	99.75000	0.0	0.0	-327.20E-6	*
				-7.00000	-40.00000	99.75000	0.0	0.0	-923.25E-6	*
				-6.00000	-40.00000	99.75000	0.0	0.0	-0.0014904	*
				-5.00000	-40.00000	99.75000	0.0	0.0	-0.0020263	*
				-4.00000	-40.00000	99.75000	0.0	0.0	-0.0025288	*
				-3.00000	-40.00000	99.75000	0.0	0.0	-0.0029964	*
				-2.00000	-40.00000	99.75000	0.0	0.0	-0.0034279	*
				-1.00000	-40.00000	99.75000	0.0	0.0	-0.0038224	*
				0.00000	-40.00000	99.75000	0.0	0.0	-0.0041797	*
				1.00000	-40.00000	99.75000	0.0	0.0	0.0	
				2.00000	-40.00000	99.75000	0.0	0.0	0.0	
				3.00000	-40.00000	99.75000	0.0	0.0	0.0	
				4.00000	-40.00000	99.75000	0.0	0.0	0.0	
				5.00000	-40.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-39.00000	99.75000	0.0	0.0	0.013800	*
				-39.00000	-39.00000	99.75000	0.0	0.0	0.013969	*
				-38.00000	-39.00000	99.75000	0.0	0.0	0.014102	*
				-37.00000	-39.00000	99.75000	0.0	0.0	0.014196	*
				-36.00000	-39.00000	99.75000	0.0	0.0	0.014249	*
				-35.00000	-39.00000	99.75000	0.0	0.0	0.014257	*
				-34.00000	-39.00000	99.75000	0.0	0.0	0.014219	*
				-33.00000	-39.00000	99.75000	0.0	0.0	0.014132	*
				-32.00000	-39.00000	99.75000	0.0	0.0	0.013996	*
				-31.00000	-39.00000	99.75000	0.0	0.0	0.013809	*
				-30.00000	-39.00000	99.75000	0.0	0.0	0.013570	*
				-29.00000	-39.00000	99.75000	0.0	0.0	0.013279	*
				-28.00000	-39.00000	99.75000	0.0	0.0	0.012936	*
				-27.00000	-39.00000	99.75000	0.0	0.0	0.012543	*
				-26.00000	-39.00000	99.75000	0.0	0.0	0.012099	*
				-25.00000	-39.00000	99.75000	0.0	0.0	0.011607	*
				-24.00000	-39.00000	99.75000	0.0	0.0	0.011070	*
				-23.00000	-39.00000	99.75000	0.0	0.0	0.010489	*
				-22.00000	-39.00000	99.75000	0.0	0.0	0.0098691	*
				-21.00000	-39.00000	99.75000	0.0	0.0	0.0092128	*
				-20.00000	-39.00000	99.75000	0.0	0.0	0.0085246	*
				-19.00000	-39.00000	99.75000	0.0	0.0	0.0078088	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-18.00000	-39.00000	99.75000	0.0	0.0	0.0070702	*
				-17.00000	-39.00000	99.75000	0.0	0.0	0.0063137	*
				-16.00000	-39.00000	99.75000	0.0	0.0	0.0055446	*
				-15.00000	-39.00000	99.75000	0.0	0.0	0.0047680	*
				-14.00000	-39.00000	99.75000	0.0	0.0	0.0039892	*
				-13.00000	-39.00000	99.75000	0.0	0.0	0.0032135	*
				-12.00000	-39.00000	99.75000	0.0	0.0	0.0024460	*
				-11.00000	-39.00000	99.75000	0.0	0.0	0.0016916	*
				-10.00000	-39.00000	99.75000	0.0	0.0	955.09E-6	*
				-9.00000	-39.00000	99.75000	0.0	0.0	240.79E-6	*
				-8.00000	-39.00000	99.75000	0.0	0.0	-447.26E-6	*
				-7.00000	-39.00000	99.75000	0.0	0.0	-0.0011054	*
				-6.00000	-39.00000	99.75000	0.0	0.0	-0.0017305	*
				-5.00000	-39.00000	99.75000	0.0	0.0	-0.0023198	*
				-4.00000	-39.00000	99.75000	0.0	0.0	-0.0028710	*
				-3.00000	-39.00000	99.75000	0.0	0.0	-0.0033825	*
				-2.00000	-39.00000	99.75000	0.0	0.0	-0.0038529	*
				-1.00000	-39.00000	99.75000	0.0	0.0	-0.0042815	*
				0.00000	-39.00000	99.75000	0.0	0.0	-0.0046680	*
				1.00000	-39.00000	99.75000	0.0	0.0	0.0	
				2.00000	-39.00000	99.75000	0.0	0.0	0.0	
				3.00000	-39.00000	99.75000	0.0	0.0	0.0	
				4.00000	-39.00000	99.75000	0.0	0.0	0.0	
				5.00000	-39.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-38.00000	99.75000	0.0	0.0	0.015065	*
				-39.00000	-38.00000	99.75000	0.0	0.0	0.015265	*
				-38.00000	-38.00000	99.75000	0.0	0.0	0.015426	*
				-37.00000	-38.00000	99.75000	0.0	0.0	0.015545	*
				-36.00000	-38.00000	99.75000	0.0	0.0	0.015617	*
				-35.00000	-38.00000	99.75000	0.0	0.0	0.015640	*
				-34.00000	-38.00000	99.75000	0.0	0.0	0.015611	*
				-33.00000	-38.00000	99.75000	0.0	0.0	0.015528	*
				-32.00000	-38.00000	99.75000	0.0	0.0	0.015390	*
				-31.00000	-38.00000	99.75000	0.0	0.0	0.015194	*
				-30.00000	-38.00000	99.75000	0.0	0.0	0.014939	*
				-29.00000	-38.00000	99.75000	0.0	0.0	0.014626	*
				-28.00000	-38.00000	99.75000	0.0	0.0	0.014254	*
				-27.00000	-38.00000	99.75000	0.0	0.0	0.013824	*
				-26.00000	-38.00000	99.75000	0.0	0.0	0.013338	*
				-25.00000	-38.00000	99.75000	0.0	0.0	0.012797	*
				-24.00000	-38.00000	99.75000	0.0	0.0	0.012205	*
				-23.00000	-38.00000	99.75000	0.0	0.0	0.011563	*
				-22.00000	-38.00000	99.75000	0.0	0.0	0.010876	*
				-21.00000	-38.00000	99.75000	0.0	0.0	0.010148	*
				-20.00000	-38.00000	99.75000	0.0	0.0	0.0093833	*
				-19.00000	-38.00000	99.75000	0.0	0.0	0.0085874	*
				-18.00000	-38.00000	99.75000	0.0	0.0	0.0077657	*
				-17.00000	-38.00000	99.75000	0.0	0.0	0.0069237	*
				-16.00000	-38.00000	99.75000	0.0	0.0	0.0060673	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-15.00000	-38.00000	99.75000	0.0	0.0	0.0052026	*
				-14.00000	-38.00000	99.75000	0.0	0.0	0.0043356	*
				-13.00000	-38.00000	99.75000	0.0	0.0	0.0034724	*
				-12.00000	-38.00000	99.75000	0.0	0.0	0.0026188	*
				-11.00000	-38.00000	99.75000	0.0	0.0	0.0017805	*
				-10.00000	-38.00000	99.75000	0.0	0.0	962.81E-6	*
				-9.00000	-38.00000	99.75000	0.0	0.0	170.82E-6	*
				-8.00000	-38.00000	99.75000	0.0	0.0	-590.92E-6	*
				-7.00000	-38.00000	99.75000	0.0	0.0	-0.0013183	*
				-6.00000	-38.00000	99.75000	0.0	0.0	-0.0020077	*
				-5.00000	-38.00000	99.75000	0.0	0.0	-0.0026562	*
				-4.00000	-38.00000	99.75000	0.0	0.0	-0.0032611	*
				-3.00000	-38.00000	99.75000	0.0	0.0	-0.0038208	*
				-2.00000	-38.00000	99.75000	0.0	0.0	-0.0043337	*
				-1.00000	-38.00000	99.75000	0.0	0.0	-0.0047992	*
				0.00000	-38.00000	99.75000	0.0	0.0	-0.0052170	*
				1.00000	-38.00000	99.75000	0.0	0.0	0.0	
				2.00000	-38.00000	99.75000	0.0	0.0	0.0	
				3.00000	-38.00000	99.75000	0.0	0.0	0.0	
				4.00000	-38.00000	99.75000	0.0	0.0	0.0	
				5.00000	-38.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-37.00000	99.75000	0.0	0.0	0.016453	*
				-39.00000	-37.00000	99.75000	0.0	0.0	0.016691	*
				-38.00000	-37.00000	99.75000	0.0	0.0	0.016885	*
				-37.00000	-37.00000	99.75000	0.0	0.0	0.017033	*
				-36.00000	-37.00000	99.75000	0.0	0.0	0.017129	*
				-35.00000	-37.00000	99.75000	0.0	0.0	0.017170	*
				-34.00000	-37.00000	99.75000	0.0	0.0	0.017154	*
				-33.00000	-37.00000	99.75000	0.0	0.0	0.017077	*
				-32.00000	-37.00000	99.75000	0.0	0.0	0.016937	*
				-31.00000	-37.00000	99.75000	0.0	0.0	0.016733	*
				-30.00000	-37.00000	99.75000	0.0	0.0	0.016463	*
				-29.00000	-37.00000	99.75000	0.0	0.0	0.016126	*
				-28.00000	-37.00000	99.75000	0.0	0.0	0.015723	*
				-27.00000	-37.00000	99.75000	0.0	0.0	0.015254	*
				-26.00000	-37.00000	99.75000	0.0	0.0	0.014721	*
				-25.00000	-37.00000	99.75000	0.0	0.0	0.014125	*
				-24.00000	-37.00000	99.75000	0.0	0.0	0.013471	*
				-23.00000	-37.00000	99.75000	0.0	0.0	0.012761	*
				-22.00000	-37.00000	99.75000	0.0	0.0	0.011999	*
				-21.00000	-37.00000	99.75000	0.0	0.0	0.011190	*
				-20.00000	-37.00000	99.75000	0.0	0.0	0.010340	*
				-19.00000	-37.00000	99.75000	0.0	0.0	0.0094544	*
				-18.00000	-37.00000	99.75000	0.0	0.0	0.0085390	*
				-17.00000	-37.00000	99.75000	0.0	0.0	0.0076005	*
				-16.00000	-37.00000	99.75000	0.0	0.0	0.0066457	*
				-15.00000	-37.00000	99.75000	0.0	0.0	0.0056816	*
				-14.00000	-37.00000	99.75000	0.0	0.0	0.0047152	*
				-13.00000	-37.00000	99.75000	0.0	0.0	0.0037532	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-12.00000	-37.00000	99.75000	0.0	0.0	0.0028026	*
				-11.00000	-37.00000	99.75000	0.0	0.0	0.0018698	*
				-10.00000	-37.00000	99.75000	0.0	0.0	960.97E-6	*
				-9.00000	-37.00000	99.75000	0.0	0.0	81.813E-6	*
				-8.00000	-37.00000	99.75000	0.0	0.0	-762.42E-6	*
				-7.00000	-37.00000	99.75000	0.0	0.0	-0.0015671	*
				-6.00000	-37.00000	99.75000	0.0	0.0	-0.0023281	*
				-5.00000	-37.00000	99.75000	0.0	0.0	-0.0030421	*
				-4.00000	-37.00000	99.75000	0.0	0.0	-0.0037064	*
				-3.00000	-37.00000	99.75000	0.0	0.0	-0.0043189	*
				-2.00000	-37.00000	99.75000	0.0	0.0	-0.0048782	*
				-1.00000	-37.00000	99.75000	0.0	0.0	-0.0053835	*
				0.00000	-37.00000	99.75000	0.0	0.0	-0.0058349	*
				1.00000	-37.00000	99.75000	0.0	0.0	0.0	
				2.00000	-37.00000	99.75000	0.0	0.0	0.0	
				3.00000	-37.00000	99.75000	0.0	0.0	0.0	
				4.00000	-37.00000	99.75000	0.0	0.0	0.0	
				5.00000	-37.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-36.00000	99.75000	0.0	0.0	0.017978	*
				-39.00000	-36.00000	99.75000	0.0	0.0	0.018260	*
				-38.00000	-36.00000	99.75000	0.0	0.0	0.018494	*
				-37.00000	-36.00000	99.75000	0.0	0.0	0.018676	*
				-36.00000	-36.00000	99.75000	0.0	0.0	0.018802	*
				-35.00000	-36.00000	99.75000	0.0	0.0	0.018866	*
				-34.00000	-36.00000	99.75000	0.0	0.0	0.018866	*
				-33.00000	-36.00000	99.75000	0.0	0.0	0.018798	*
				-32.00000	-36.00000	99.75000	0.0	0.0	0.018659	*
				-31.00000	-36.00000	99.75000	0.0	0.0	0.018447	*
				-30.00000	-36.00000	99.75000	0.0	0.0	0.018161	*
				-29.00000	-36.00000	99.75000	0.0	0.0	0.017799	*
				-28.00000	-36.00000	99.75000	0.0	0.0	0.017362	*
				-27.00000	-36.00000	99.75000	0.0	0.0	0.016850	*
				-26.00000	-36.00000	99.75000	0.0	0.0	0.016266	*
				-25.00000	-36.00000	99.75000	0.0	0.0	0.015610	*
				-24.00000	-36.00000	99.75000	0.0	0.0	0.014887	*
				-23.00000	-36.00000	99.75000	0.0	0.0	0.014101	*
				-22.00000	-36.00000	99.75000	0.0	0.0	0.013255	*
				-21.00000	-36.00000	99.75000	0.0	0.0	0.012356	*
				-20.00000	-36.00000	99.75000	0.0	0.0	0.011409	*
				-19.00000	-36.00000	99.75000	0.0	0.0	0.010422	*
				-18.00000	-36.00000	99.75000	0.0	0.0	0.0094003	*
				-17.00000	-36.00000	99.75000	0.0	0.0	0.0083528	*
				-16.00000	-36.00000	99.75000	0.0	0.0	0.0072869	*
				-15.00000	-36.00000	99.75000	0.0	0.0	0.0062104	*
				-14.00000	-36.00000	99.75000	0.0	0.0	0.0051315	*
				-13.00000	-36.00000	99.75000	0.0	0.0	0.0040581	*
				-12.00000	-36.00000	99.75000	0.0	0.0	0.0029979	*
				-11.00000	-36.00000	99.75000	0.0	0.0	0.0019586	*
				-10.00000	-36.00000	99.75000	0.0	0.0	947.07E-6	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-9.00000	-36.00000	99.75000	0.0	0.0	-30.014E-6	*
				-8.00000	-36.00000	99.75000	0.0	0.0	-966.72E-6	*
				-7.00000	-36.00000	99.75000	0.0	0.0	-0.0018578	*
				-6.00000	-36.00000	99.75000	0.0	0.0	-0.0026985	*
				-5.00000	-36.00000	99.75000	0.0	0.0	-0.0034853	*
				-4.00000	-36.00000	99.75000	0.0	0.0	-0.0042150	*
				-3.00000	-36.00000	99.75000	0.0	0.0	-0.0048855	*
				-2.00000	-36.00000	99.75000	0.0	0.0	-0.0054953	*
				-1.00000	-36.00000	99.75000	0.0	0.0	-0.0060438	*
				0.00000	-36.00000	99.75000	0.0	0.0	-0.0065309	*
				1.00000	-36.00000	99.75000	0.0	0.0	0.0	
				2.00000	-36.00000	99.75000	0.0	0.0	0.0	
				3.00000	-36.00000	99.75000	0.0	0.0	0.0	
				4.00000	-36.00000	99.75000	0.0	0.0	0.0	
				5.00000	-36.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-35.00000	99.75000	0.0	0.0	0.019655	*
				-39.00000	-35.00000	99.75000	0.0	0.0	0.019989	*
				-38.00000	-35.00000	99.75000	0.0	0.0	0.020270	*
				-37.00000	-35.00000	99.75000	0.0	0.0	0.020494	*
				-36.00000	-35.00000	99.75000	0.0	0.0	0.020655	*
				-35.00000	-35.00000	99.75000	0.0	0.0	0.020747	*
				-34.00000	-35.00000	99.75000	0.0	0.0	0.020768	*
				-33.00000	-35.00000	99.75000	0.0	0.0	0.020712	*
				-32.00000	-35.00000	99.75000	0.0	0.0	0.020576	*
				-31.00000	-35.00000	99.75000	0.0	0.0	0.020358	*
				-30.00000	-35.00000	99.75000	0.0	0.0	0.020056	*
				-29.00000	-35.00000	99.75000	0.0	0.0	0.019669	*
				-28.00000	-35.00000	99.75000	0.0	0.0	0.019195	*
				-27.00000	-35.00000	99.75000	0.0	0.0	0.018637	*
				-26.00000	-35.00000	99.75000	0.0	0.0	0.017995	*
				-25.00000	-35.00000	99.75000	0.0	0.0	0.017273	*
				-24.00000	-35.00000	99.75000	0.0	0.0	0.016474	*
				-23.00000	-35.00000	99.75000	0.0	0.0	0.015601	*
				-22.00000	-35.00000	99.75000	0.0	0.0	0.014662	*
				-21.00000	-35.00000	99.75000	0.0	0.0	0.013660	*
				-20.00000	-35.00000	99.75000	0.0	0.0	0.012605	*
				-19.00000	-35.00000	99.75000	0.0	0.0	0.011503	*
				-18.00000	-35.00000	99.75000	0.0	0.0	0.010362	*
				-17.00000	-35.00000	99.75000	0.0	0.0	0.0091909	*
				-16.00000	-35.00000	99.75000	0.0	0.0	0.0079989	*
				-15.00000	-35.00000	99.75000	0.0	0.0	0.0067952	*
				-14.00000	-35.00000	99.75000	0.0	0.0	0.0055889	*
				-13.00000	-35.00000	99.75000	0.0	0.0	0.0043892	*
				-12.00000	-35.00000	99.75000	0.0	0.0	0.0032052	*
				-11.00000	-35.00000	99.75000	0.0	0.0	0.0020455	*
				-10.00000	-35.00000	99.75000	0.0	0.0	918.16E-6	*
				-9.00000	-35.00000	99.75000	0.0	0.0	-169.18E-6	*
				-8.00000	-35.00000	99.75000	0.0	0.0	-0.0012097	*
				-7.00000	-35.00000	99.75000	0.0	0.0	-0.0021975	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-6.00000	-35.00000	99.75000	0.0	0.0	-0.0031272	*
				-5.00000	-35.00000	99.75000	0.0	0.0	-0.0039948	*
				-4.00000	-35.00000	99.75000	0.0	0.0	-0.0047968	*
				-3.00000	-35.00000	99.75000	0.0	0.0	-0.0055309	*
				-2.00000	-35.00000	99.75000	0.0	0.0	-0.0061957	*
				-1.00000	-35.00000	99.75000	0.0	0.0	-0.0067906	*
				0.00000	-35.00000	99.75000	0.0	0.0	-0.0073159	*
				1.00000	-35.00000	99.75000	0.0	0.0	0.0	
				2.00000	-35.00000	99.75000	0.0	0.0	0.0	
				3.00000	-35.00000	99.75000	0.0	0.0	0.0	
				4.00000	-35.00000	99.75000	0.0	0.0	0.0	
				5.00000	-35.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-34.00000	99.75000	0.0	0.0	0.021502	*
				-39.00000	-34.00000	99.75000	0.0	0.0	0.021896	*
				-38.00000	-34.00000	99.75000	0.0	0.0	0.022233	*
				-37.00000	-34.00000	99.75000	0.0	0.0	0.022506	*
				-36.00000	-34.00000	99.75000	0.0	0.0	0.022709	*
				-35.00000	-34.00000	99.75000	0.0	0.0	0.022837	*
				-34.00000	-34.00000	99.75000	0.0	0.0	0.022884	*
				-33.00000	-34.00000	99.75000	0.0	0.0	0.022845	*
				-32.00000	-34.00000	99.75000	0.0	0.0	0.022716	*
				-31.00000	-34.00000	99.75000	0.0	0.0	0.022494	*
				-30.00000	-34.00000	99.75000	0.0	0.0	0.022176	*
				-29.00000	-34.00000	99.75000	0.0	0.0	0.021761	*
				-28.00000	-34.00000	99.75000	0.0	0.0	0.021249	*
				-27.00000	-34.00000	99.75000	0.0	0.0	0.020640	*
				-26.00000	-34.00000	99.75000	0.0	0.0	0.019936	*
				-25.00000	-34.00000	99.75000	0.0	0.0	0.019139	*
				-24.00000	-34.00000	99.75000	0.0	0.0	0.018254	*
				-23.00000	-34.00000	99.75000	0.0	0.0	0.017286	*
				-22.00000	-34.00000	99.75000	0.0	0.0	0.016240	*
				-21.00000	-34.00000	99.75000	0.0	0.0	0.015124	*
				-20.00000	-34.00000	99.75000	0.0	0.0	0.013946	*
				-19.00000	-34.00000	99.75000	0.0	0.0	0.012714	*
				-18.00000	-34.00000	99.75000	0.0	0.0	0.011437	*
				-17.00000	-34.00000	99.75000	0.0	0.0	0.010126	*
				-16.00000	-34.00000	99.75000	0.0	0.0	0.0087914	*
				-15.00000	-34.00000	99.75000	0.0	0.0	0.0074431	*
				-14.00000	-34.00000	99.75000	0.0	0.0	0.0060922	*
				-13.00000	-34.00000	99.75000	0.0	0.0	0.0047493	*
				-12.00000	-34.00000	99.75000	0.0	0.0	0.0034249	*
				-11.00000	-34.00000	99.75000	0.0	0.0	0.0021288	*
				-10.00000	-34.00000	99.75000	0.0	0.0	870.65E-6	*
				-9.00000	-34.00000	99.75000	0.0	0.0	-341.05E-6	*
				-8.00000	-34.00000	99.75000	0.0	0.0	-0.0014984	*
				-7.00000	-34.00000	99.75000	0.0	0.0	-0.0025946	*
				-6.00000	-34.00000	99.75000	0.0	0.0	-0.0036237	*
				-5.00000	-34.00000	99.75000	0.0	0.0	-0.0045810	*
				-4.00000	-34.00000	99.75000	0.0	0.0	-0.0054630	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-3.00000	-34.00000	99.75000	0.0	0.0	-0.0062670	*
				-2.00000	-34.00000	99.75000	0.0	0.0	-0.0069916	*
				-1.00000	-34.00000	99.75000	0.0	0.0	-0.0076364	*
				0.00000	-34.00000	99.75000	0.0	0.0	-0.0082021	*
				1.00000	-34.00000	99.75000	0.0	0.0	0.0	
				2.00000	-34.00000	99.75000	0.0	0.0	0.0	
				3.00000	-34.00000	99.75000	0.0	0.0	0.0	
				4.00000	-34.00000	99.75000	0.0	0.0	0.0	
				5.00000	-34.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-33.00000	99.75000	0.0	0.0	0.023535	*
				-39.00000	-33.00000	99.75000	0.0	0.0	0.024001	*
				-38.00000	-33.00000	99.75000	0.0	0.0	0.024403	*
				-37.00000	-33.00000	99.75000	0.0	0.0	0.024736	*
				-36.00000	-33.00000	99.75000	0.0	0.0	0.024991	*
				-35.00000	-33.00000	99.75000	0.0	0.0	0.025161	*
				-34.00000	-33.00000	99.75000	0.0	0.0	0.025241	*
				-33.00000	-33.00000	99.75000	0.0	0.0	0.025224	*
				-32.00000	-33.00000	99.75000	0.0	0.0	0.025106	*
				-31.00000	-33.00000	99.75000	0.0	0.0	0.024883	*
				-30.00000	-33.00000	99.75000	0.0	0.0	0.024551	*
				-29.00000	-33.00000	99.75000	0.0	0.0	0.024108	*
				-28.00000	-33.00000	99.75000	0.0	0.0	0.023554	*
				-27.00000	-33.00000	99.75000	0.0	0.0	0.022890	*
				-26.00000	-33.00000	99.75000	0.0	0.0	0.022117	*
				-25.00000	-33.00000	99.75000	0.0	0.0	0.021238	*
				-24.00000	-33.00000	99.75000	0.0	0.0	0.020257	*
				-23.00000	-33.00000	99.75000	0.0	0.0	0.019181	*
				-22.00000	-33.00000	99.75000	0.0	0.0	0.018016	*
				-21.00000	-33.00000	99.75000	0.0	0.0	0.016771	*
				-20.00000	-33.00000	99.75000	0.0	0.0	0.015453	*
				-19.00000	-33.00000	99.75000	0.0	0.0	0.014073	*
				-18.00000	-33.00000	99.75000	0.0	0.0	0.012643	*
				-17.00000	-33.00000	99.75000	0.0	0.0	0.011173	*
				-16.00000	-33.00000	99.75000	0.0	0.0	0.0096753	*
				-15.00000	-33.00000	99.75000	0.0	0.0	0.0081626	*
				-14.00000	-33.00000	99.75000	0.0	0.0	0.0066471	*
				-13.00000	-33.00000	99.75000	0.0	0.0	0.0051414	*
				-12.00000	-33.00000	99.75000	0.0	0.0	0.0036574	*
				-11.00000	-33.00000	99.75000	0.0	0.0	0.0022067	*
				-10.00000	-33.00000	99.75000	0.0	0.0	800.19E-6	*
				-9.00000	-33.00000	99.75000	0.0	0.0	-552.07E-6	*
				-8.00000	-33.00000	99.75000	0.0	0.0	-0.0018411	*
				-7.00000	-33.00000	99.75000	0.0	0.0	-0.0030590	*
				-6.00000	-33.00000	99.75000	0.0	0.0	-0.0041993	*
				-5.00000	-33.00000	99.75000	0.0	0.0	-0.0052565	*
				-4.00000	-33.00000	99.75000	0.0	0.0	-0.0062268	*
				-3.00000	-33.00000	99.75000	0.0	0.0	-0.0071075	*
				-2.00000	-33.00000	99.75000	0.0	0.0	-0.0078971	*
				-1.00000	-33.00000	99.75000	0.0	0.0	-0.0085955	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				0.00000	-33.00000	99.75000	0.0	0.0	-0.0092037	*
				1.00000	-33.00000	99.75000	0.0	0.0	0.0	
				2.00000	-33.00000	99.75000	0.0	0.0	0.0	
				3.00000	-33.00000	99.75000	0.0	0.0	0.0	
				4.00000	-33.00000	99.75000	0.0	0.0	0.0	
				5.00000	-33.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-32.00000	99.75000	0.0	0.0	0.025776	*
				-39.00000	-32.00000	99.75000	0.0	0.0	0.026326	*
				-38.00000	-32.00000	99.75000	0.0	0.0	0.026807	*
				-37.00000	-32.00000	99.75000	0.0	0.0	0.027210	*
				-36.00000	-32.00000	99.75000	0.0	0.0	0.027528	*
				-35.00000	-32.00000	99.75000	0.0	0.0	0.027751	*
				-34.00000	-32.00000	99.75000	0.0	0.0	0.027872	*
				-33.00000	-32.00000	99.75000	0.0	0.0	0.027885	*
				-32.00000	-32.00000	99.75000	0.0	0.0	0.027783	*
				-31.00000	-32.00000	99.75000	0.0	0.0	0.027561	*
				-30.00000	-32.00000	99.75000	0.0	0.0	0.027216	*
				-29.00000	-32.00000	99.75000	0.0	0.0	0.026745	*
				-28.00000	-32.00000	99.75000	0.0	0.0	0.026147	*
				-27.00000	-32.00000	99.75000	0.0	0.0	0.025422	*
				-26.00000	-32.00000	99.75000	0.0	0.0	0.024573	*
				-25.00000	-32.00000	99.75000	0.0	0.0	0.023603	*
				-24.00000	-32.00000	99.75000	0.0	0.0	0.022516	*
				-23.00000	-32.00000	99.75000	0.0	0.0	0.021319	*
				-22.00000	-32.00000	99.75000	0.0	0.0	0.020019	*
				-21.00000	-32.00000	99.75000	0.0	0.0	0.018626	*
				-20.00000	-32.00000	99.75000	0.0	0.0	0.017151	*
				-19.00000	-32.00000	99.75000	0.0	0.0	0.015604	*
				-18.00000	-32.00000	99.75000	0.0	0.0	0.013998	*
				-17.00000	-32.00000	99.75000	0.0	0.0	0.012347	*
				-16.00000	-32.00000	99.75000	0.0	0.0	0.010664	*
				-15.00000	-32.00000	99.75000	0.0	0.0	0.0089634	*
				-14.00000	-32.00000	99.75000	0.0	0.0	0.0072603	*
				-13.00000	-32.00000	99.75000	0.0	0.0	0.0055689	*
				-12.00000	-32.00000	99.75000	0.0	0.0	0.0039031	*
				-11.00000	-32.00000	99.75000	0.0	0.0	0.0022764	*
				-10.00000	-32.00000	99.75000	0.0	0.0	701.56E-6	*
				-9.00000	-32.00000	99.75000	0.0	0.0	-809.93E-6	*
				-8.00000	-32.00000	99.75000	0.0	0.0	-0.0022477	*
				-7.00000	-32.00000	99.75000	0.0	0.0	-0.0036026	*
				-6.00000	-32.00000	99.75000	0.0	0.0	-0.0048673	*
				-5.00000	-32.00000	99.75000	0.0	0.0	-0.0060359	*
				-4.00000	-32.00000	99.75000	0.0	0.0	-0.0071039	*
				-3.00000	-32.00000	99.75000	0.0	0.0	-0.0080685	*
				-2.00000	-32.00000	99.75000	0.0	0.0	-0.0089286	*
				-1.00000	-32.00000	99.75000	0.0	0.0	-0.0096843	*
				0.00000	-32.00000	99.75000	0.0	0.0	-0.010337	*
				1.00000	-32.00000	99.75000	0.0	0.0	0.0	
				2.00000	-32.00000	99.75000	0.0	0.0	0.0	



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				3.00000	-32.00000	99.75000	0.0	0.0	0.0	
				4.00000	-32.00000	99.75000	0.0	0.0	0.0	
				5.00000	-32.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-31.00000	99.75000	0.0	0.0	0.028250	*
				-39.00000	-31.00000	99.75000	0.0	0.0	0.028898	*
				-38.00000	-31.00000	99.75000	0.0	0.0	0.029472	*
				-37.00000	-31.00000	99.75000	0.0	0.0	0.029960	*
				-36.00000	-31.00000	99.75000	0.0	0.0	0.030352	*
				-35.00000	-31.00000	99.75000	0.0	0.0	0.030640	*
				-34.00000	-31.00000	99.75000	0.0	0.0	0.030813	*
				-33.00000	-31.00000	99.75000	0.0	0.0	0.030864	*
				-32.00000	-31.00000	99.75000	0.0	0.0	0.030784	*
				-31.00000	-31.00000	99.75000	0.0	0.0	0.030569	*
				-30.00000	-31.00000	99.75000	0.0	0.0	0.030213	*
				-29.00000	-31.00000	99.75000	0.0	0.0	0.029714	*
				-28.00000	-31.00000	99.75000	0.0	0.0	0.029069	*
				-27.00000	-31.00000	99.75000	0.0	0.0	0.028280	*
				-26.00000	-31.00000	99.75000	0.0	0.0	0.027347	*
				-25.00000	-31.00000	99.75000	0.0	0.0	0.026274	*
				-24.00000	-31.00000	99.75000	0.0	0.0	0.025068	*
				-23.00000	-31.00000	99.75000	0.0	0.0	0.023734	*
				-22.00000	-31.00000	99.75000	0.0	0.0	0.022283	*
				-21.00000	-31.00000	99.75000	0.0	0.0	0.020724	*
				-20.00000	-31.00000	99.75000	0.0	0.0	0.019068	*
				-19.00000	-31.00000	99.75000	0.0	0.0	0.017331	*
				-18.00000	-31.00000	99.75000	0.0	0.0	0.015525	*
				-17.00000	-31.00000	99.75000	0.0	0.0	0.013667	*
				-16.00000	-31.00000	99.75000	0.0	0.0	0.011772	*
				-15.00000	-31.00000	99.75000	0.0	0.0	0.0098571	*
				-14.00000	-31.00000	99.75000	0.0	0.0	0.0079395	*
				-13.00000	-31.00000	99.75000	0.0	0.0	0.0060358	*
				-12.00000	-31.00000	99.75000	0.0	0.0	0.0041624	*
				-11.00000	-31.00000	99.75000	0.0	0.0	0.0023350	*
				-10.00000	-31.00000	99.75000	0.0	0.0	568.44E-6	*
				-9.00000	-31.00000	99.75000	0.0	0.0	-0.0011239	*
				-8.00000	-31.00000	99.75000	0.0	0.0	-0.0027299	*
				-7.00000	-31.00000	99.75000	0.0	0.0	-0.0042393	*
				-6.00000	-31.00000	99.75000	0.0	0.0	-0.0056437	*
				-5.00000	-31.00000	99.75000	0.0	0.0	-0.0069363	*
				-4.00000	-31.00000	99.75000	0.0	0.0	-0.0081124	*
				-3.00000	-31.00000	99.75000	0.0	0.0	-0.0091691	*
				-2.00000	-31.00000	99.75000	0.0	0.0	-0.010105	*
				-1.00000	-31.00000	99.75000	0.0	0.0	-0.010922	*
				0.00000	-31.00000	99.75000	0.0	0.0	-0.011621	*
				1.00000	-31.00000	99.75000	0.0	0.0	0.0	
				2.00000	-31.00000	99.75000	0.0	0.0	0.0	
				3.00000	-31.00000	99.75000	0.0	0.0	0.0	
				4.00000	-31.00000	99.75000	0.0	0.0	0.0	
				5.00000	-31.00000	99.75000	0.0	0.0	0.0	



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-40.00000	-30.00000	99.75000	0.0	0.0	0.030981	*
				-39.00000	-30.00000	99.75000	0.0	0.0	0.031746	*
				-38.00000	-30.00000	99.75000	0.0	0.0	0.032429	*
				-37.00000	-30.00000	99.75000	0.0	0.0	0.033019	*
				-36.00000	-30.00000	99.75000	0.0	0.0	0.033503	*
				-35.00000	-30.00000	99.75000	0.0	0.0	0.033869	*
				-34.00000	-30.00000	99.75000	0.0	0.0	0.034107	*
				-33.00000	-30.00000	99.75000	0.0	0.0	0.034206	*
				-32.00000	-30.00000	99.75000	0.0	0.0	0.034158	*
				-31.00000	-30.00000	99.75000	0.0	0.0	0.033955	*
				-30.00000	-30.00000	99.75000	0.0	0.0	0.033592	*
				-29.00000	-30.00000	99.75000	0.0	0.0	0.033065	*
				-28.00000	-30.00000	99.75000	0.0	0.0	0.032371	*
				-27.00000	-30.00000	99.75000	0.0	0.0	0.031511	*
				-26.00000	-30.00000	99.75000	0.0	0.0	0.030486	*
				-25.00000	-30.00000	99.75000	0.0	0.0	0.029300	*
				-24.00000	-30.00000	99.75000	0.0	0.0	0.027959	*
				-23.00000	-30.00000	99.75000	0.0	0.0	0.026472	*
				-22.00000	-30.00000	99.75000	0.0	0.0	0.024848	*
				-21.00000	-30.00000	99.75000	0.0	0.0	0.023100	*
				-20.00000	-30.00000	99.75000	0.0	0.0	0.021241	*
				-19.00000	-30.00000	99.75000	0.0	0.0	0.019285	*
				-18.00000	-30.00000	99.75000	0.0	0.0	0.017251	*
				-17.00000	-30.00000	99.75000	0.0	0.0	0.015156	*
				-16.00000	-30.00000	99.75000	0.0	0.0	0.013018	*
				-15.00000	-30.00000	99.75000	0.0	0.0	0.010857	*
				-14.00000	-30.00000	99.75000	0.0	0.0	0.0086937	*
				-13.00000	-30.00000	99.75000	0.0	0.0	0.0065467	*
				-12.00000	-30.00000	99.75000	0.0	0.0	0.0044355	*
				-11.00000	-30.00000	99.75000	0.0	0.0	0.0023786	*
				-10.00000	-30.00000	99.75000	0.0	0.0	393.20E-6	*
				-9.00000	-30.00000	99.75000	0.0	0.0	-0.0015049	*
				-8.00000	-30.00000	99.75000	0.0	0.0	-0.0033019	*
				-7.00000	-30.00000	99.75000	0.0	0.0	-0.0049859	*
				-6.00000	-30.00000	99.75000	0.0	0.0	-0.0065471	*
				-5.00000	-30.00000	99.75000	0.0	0.0	-0.0079781	*
				-4.00000	-30.00000	99.75000	0.0	0.0	-0.0092739	*
				-3.00000	-30.00000	99.75000	0.0	0.0	-0.010431	*
				-2.00000	-30.00000	99.75000	0.0	0.0	-0.011450	*
				-1.00000	-30.00000	99.75000	0.0	0.0	-0.012331	*
				0.00000	-30.00000	99.75000	0.0	0.0	-0.013078	*
				1.00000	-30.00000	99.75000	0.0	0.0	0.0	
				2.00000	-30.00000	99.75000	0.0	0.0	0.0	
				3.00000	-30.00000	99.75000	0.0	0.0	0.0	
				4.00000	-30.00000	99.75000	0.0	0.0	0.0	
				5.00000	-30.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-29.00000	99.75000	0.0	0.0	0.034000	*
				-39.00000	-29.00000	99.75000	0.0	0.0	0.034903	*
				-38.00000	-29.00000	99.75000	0.0	0.0	0.035717	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-37.00000	-29.00000	99.75000	0.0	0.0	0.036428	*
				-36.00000	-29.00000	99.75000	0.0	0.0	0.037022	*
				-35.00000	-29.00000	99.75000	0.0	0.0	0.037485	*
				-34.00000	-29.00000	99.75000	0.0	0.0	0.037802	*
				-33.00000	-29.00000	99.75000	0.0	0.0	0.037964	*
				-32.00000	-29.00000	99.75000	0.0	0.0	0.037958	*
				-31.00000	-29.00000	99.75000	0.0	0.0	0.037775	*
				-30.00000	-29.00000	99.75000	0.0	0.0	0.037410	*
				-29.00000	-29.00000	99.75000	0.0	0.0	0.036856	*
				-28.00000	-29.00000	99.75000	0.0	0.0	0.036110	*
				-27.00000	-29.00000	99.75000	0.0	0.0	0.035174	*
				-26.00000	-29.00000	99.75000	0.0	0.0	0.034047	*
				-25.00000	-29.00000	99.75000	0.0	0.0	0.032735	*
				-24.00000	-29.00000	99.75000	0.0	0.0	0.031244	*
				-23.00000	-29.00000	99.75000	0.0	0.0	0.029583	*
				-22.00000	-29.00000	99.75000	0.0	0.0	0.027765	*
				-21.00000	-29.00000	99.75000	0.0	0.0	0.025801	*
				-20.00000	-29.00000	99.75000	0.0	0.0	0.023708	*
				-19.00000	-29.00000	99.75000	0.0	0.0	0.021504	*
				-18.00000	-29.00000	99.75000	0.0	0.0	0.019208	*
				-17.00000	-29.00000	99.75000	0.0	0.0	0.016841	*
				-16.00000	-29.00000	99.75000	0.0	0.0	0.014424	*
				-15.00000	-29.00000	99.75000	0.0	0.0	0.011981	*
				-14.00000	-29.00000	99.75000	0.0	0.0	0.0095340	*
				-13.00000	-29.00000	99.75000	0.0	0.0	0.0071071	*
				-12.00000	-29.00000	99.75000	0.0	0.0	0.0047228	*
				-11.00000	-29.00000	99.75000	0.0	0.0	0.0024025	*
				-10.00000	-29.00000	99.75000	0.0	0.0	166.59E-6	*
				-9.00000	-29.00000	99.75000	0.0	0.0	-0.0019666	*
				-8.00000	-29.00000	99.75000	0.0	0.0	-0.0039808	*
				-7.00000	-29.00000	99.75000	0.0	0.0	-0.0058623	*
				-6.00000	-29.00000	99.75000	0.0	0.0	-0.0076001	*
				-5.00000	-29.00000	99.75000	0.0	0.0	-0.0091858	*
				-4.00000	-29.00000	99.75000	0.0	0.0	-0.010614	*
				-3.00000	-29.00000	99.75000	0.0	0.0	-0.011882	*
				-2.00000	-29.00000	99.75000	0.0	0.0	-0.012989	*
				-1.00000	-29.00000	99.75000	0.0	0.0	-0.013938	*
				0.00000	-29.00000	99.75000	0.0	0.0	-0.014733	*
				1.00000	-29.00000	99.75000	0.0	0.0	0.0	
				2.00000	-29.00000	99.75000	0.0	0.0	0.0	
				3.00000	-29.00000	99.75000	0.0	0.0	0.0	
				4.00000	-29.00000	99.75000	0.0	0.0	0.0	
				5.00000	-29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-28.00000	99.75000	0.0	0.0	0.037341	*
				-39.00000	-28.00000	99.75000	0.0	0.0	0.038407	*
				-38.00000	-28.00000	99.75000	0.0	0.0	0.039377	*
				-37.00000	-28.00000	99.75000	0.0	0.0	0.040234	*
				-36.00000	-28.00000	99.75000	0.0	0.0	0.040961	*
				-35.00000	-28.00000	99.75000	0.0	0.0	0.041541	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-34.00000	-28.00000	99.75000	0.0	0.0	0.041958	*
				-33.00000	-28.00000	99.75000	0.0	0.0	0.042198	*
				-32.00000	-28.00000	99.75000	0.0	0.0	0.042247	*
				-31.00000	-28.00000	99.75000	0.0	0.0	0.042095	*
				-30.00000	-28.00000	99.75000	0.0	0.0	0.041733	*
				-29.00000	-28.00000	99.75000	0.0	0.0	0.041155	*
				-28.00000	-28.00000	99.75000	0.0	0.0	0.040357	*
				-27.00000	-28.00000	99.75000	0.0	0.0	0.039337	*
				-26.00000	-28.00000	99.75000	0.0	0.0	0.038099	*
				-25.00000	-28.00000	99.75000	0.0	0.0	0.036646	*
				-24.00000	-28.00000	99.75000	0.0	0.0	0.034986	*
				-23.00000	-28.00000	99.75000	0.0	0.0	0.033130	*
				-22.00000	-28.00000	99.75000	0.0	0.0	0.031089	*
				-21.00000	-28.00000	99.75000	0.0	0.0	0.028880	*
				-20.00000	-28.00000	99.75000	0.0	0.0	0.026521	*
				-19.00000	-28.00000	99.75000	0.0	0.0	0.024032	*
				-18.00000	-28.00000	99.75000	0.0	0.0	0.021435	*
				-17.00000	-28.00000	99.75000	0.0	0.0	0.018754	*
				-16.00000	-28.00000	99.75000	0.0	0.0	0.016016	*
				-15.00000	-28.00000	99.75000	0.0	0.0	0.013246	*
				-14.00000	-28.00000	99.75000	0.0	0.0	0.010473	*
				-13.00000	-28.00000	99.75000	0.0	0.0	0.0077237	*
				-12.00000	-28.00000	99.75000	0.0	0.0	0.0050244	*
				-11.00000	-28.00000	99.75000	0.0	0.0	0.0024010	*
				-10.00000	-28.00000	99.75000	0.0	0.0	-122.60E-6	*
				-9.00000	-28.00000	99.75000	0.0	0.0	-0.0025249	*
				-8.00000	-28.00000	99.75000	0.0	0.0	-0.0047868	*
				-7.00000	-28.00000	99.75000	0.0	0.0	-0.0068926	*
				-6.00000	-28.00000	99.75000	0.0	0.0	-0.0088294	*
				-5.00000	-28.00000	99.75000	0.0	0.0	-0.010588	*
				-4.00000	-28.00000	99.75000	0.0	0.0	-0.012163	*
				-3.00000	-28.00000	99.75000	0.0	0.0	-0.013551	*
				-2.00000	-28.00000	99.75000	0.0	0.0	-0.014753	*
				-1.00000	-28.00000	99.75000	0.0	0.0	-0.015773	*
				0.00000	-28.00000	99.75000	0.0	0.0	-0.016616	*
				1.00000	-28.00000	99.75000	0.0	0.0	0.0	
				2.00000	-28.00000	99.75000	0.0	0.0	0.0	
				3.00000	-28.00000	99.75000	0.0	0.0	0.0	
				4.00000	-28.00000	99.75000	0.0	0.0	0.0	
				5.00000	-28.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-27.00000	99.75000	0.0	0.0	0.041041	*
				-39.00000	-27.00000	99.75000	0.0	0.0	0.042301	*
				-38.00000	-27.00000	99.75000	0.0	0.0	0.043457	*
				-37.00000	-27.00000	99.75000	0.0	0.0	0.044489	*
				-36.00000	-27.00000	99.75000	0.0	0.0	0.045377	*
				-35.00000	-27.00000	99.75000	0.0	0.0	0.046101	*
				-34.00000	-27.00000	99.75000	0.0	0.0	0.046641	*
				-33.00000	-27.00000	99.75000	0.0	0.0	0.046980	*
				-32.00000	-27.00000	99.75000	0.0	0.0	0.047102	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-31.00000	-27.00000	99.75000	0.0	0.0	0.046993	*
				-30.00000	-27.00000	99.75000	0.0	0.0	0.046643	*
				-29.00000	-27.00000	99.75000	0.0	0.0	0.046044	*
				-28.00000	-27.00000	99.75000	0.0	0.0	0.045192	*
				-27.00000	-27.00000	99.75000	0.0	0.0	0.044084	*
				-26.00000	-27.00000	99.75000	0.0	0.0	0.042722	*
				-25.00000	-27.00000	99.75000	0.0	0.0	0.041112	*
				-24.00000	-27.00000	99.75000	0.0	0.0	0.039263	*
				-23.00000	-27.00000	99.75000	0.0	0.0	0.037184	*
				-22.00000	-27.00000	99.75000	0.0	0.0	0.034892	*
				-21.00000	-27.00000	99.75000	0.0	0.0	0.032403	*
				-20.00000	-27.00000	99.75000	0.0	0.0	0.029738	*
				-19.00000	-27.00000	99.75000	0.0	0.0	0.026921	*
				-18.00000	-27.00000	99.75000	0.0	0.0	0.023977	*
				-17.00000	-27.00000	99.75000	0.0	0.0	0.020935	*
				-16.00000	-27.00000	99.75000	0.0	0.0	0.017825	*
				-15.00000	-27.00000	99.75000	0.0	0.0	0.014679	*
				-14.00000	-27.00000	99.75000	0.0	0.0	0.011528	*
				-13.00000	-27.00000	99.75000	0.0	0.0	0.0084043	*
				-12.00000	-27.00000	99.75000	0.0	0.0	0.0053408	*
				-11.00000	-27.00000	99.75000	0.0	0.0	0.0023672	*
				-10.00000	-27.00000	99.75000	0.0	0.0	-488.02E-6	*
				-9.00000	-27.00000	99.75000	0.0	0.0	-0.0031995	*
				-8.00000	-27.00000	99.75000	0.0	0.0	-0.0057449	*
				-7.00000	-27.00000	99.75000	0.0	0.0	-0.0081057	*
				-6.00000	-27.00000	99.75000	0.0	0.0	-0.010267	*
				-5.00000	-27.00000	99.75000	0.0	0.0	-0.012220	*
				-4.00000	-27.00000	99.75000	0.0	0.0	-0.013957	*
				-3.00000	-27.00000	99.75000	0.0	0.0	-0.015476	*
				-2.00000	-27.00000	99.75000	0.0	0.0	-0.016779	*
				-1.00000	-27.00000	99.75000	0.0	0.0	-0.017872	*
				0.00000	-27.00000	99.75000	0.0	0.0	-0.018760	*
				1.00000	-27.00000	99.75000	0.0	0.0	0.0	
				2.00000	-27.00000	99.75000	0.0	0.0	0.0	
				3.00000	-27.00000	99.75000	0.0	0.0	0.0	
				4.00000	-27.00000	99.75000	0.0	0.0	0.0	
				5.00000	-27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-26.00000	99.75000	0.0	0.0	0.045144	*
				-39.00000	-26.00000	99.75000	0.0	0.0	0.046634	*
				-38.00000	-26.00000	99.75000	0.0	0.0	0.048012	*
				-37.00000	-26.00000	99.75000	0.0	0.0	0.049256	*
				-36.00000	-26.00000	99.75000	0.0	0.0	0.050340	*
				-35.00000	-26.00000	99.75000	0.0	0.0	0.051240	*
				-34.00000	-26.00000	99.75000	0.0	0.0	0.051932	*
				-33.00000	-26.00000	99.75000	0.0	0.0	0.052396	*
				-32.00000	-26.00000	99.75000	0.0	0.0	0.052611	*
				-31.00000	-26.00000	99.75000	0.0	0.0	0.052562	*
				-30.00000	-26.00000	99.75000	0.0	0.0	0.052235	*
				-29.00000	-26.00000	99.75000	0.0	0.0	0.051621	*



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 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-28.00000	-26.00000	99.75000	0.0	0.0	0.050713	*
				-27.00000	-26.00000	99.75000	0.0	0.0	0.049510	*
				-26.00000	-26.00000	99.75000	0.0	0.0	0.048014	*
				-25.00000	-26.00000	99.75000	0.0	0.0	0.046229	*
				-24.00000	-26.00000	99.75000	0.0	0.0	0.044165	*
				-23.00000	-26.00000	99.75000	0.0	0.0	0.041835	*
				-22.00000	-26.00000	99.75000	0.0	0.0	0.039256	*
				-21.00000	-26.00000	99.75000	0.0	0.0	0.036446	*
				-20.00000	-26.00000	99.75000	0.0	0.0	0.033431	*
				-19.00000	-26.00000	99.75000	0.0	0.0	0.030236	*
				-18.00000	-26.00000	99.75000	0.0	0.0	0.026892	*
				-17.00000	-26.00000	99.75000	0.0	0.0	0.023432	*
				-16.00000	-26.00000	99.75000	0.0	0.0	0.019891	*
				-15.00000	-26.00000	99.75000	0.0	0.0	0.016306	*
				-14.00000	-26.00000	99.75000	0.0	0.0	0.012716	*
				-13.00000	-26.00000	99.75000	0.0	0.0	0.0091588	*
				-12.00000	-26.00000	99.75000	0.0	0.0	0.0056722	*
				-11.00000	-26.00000	99.75000	0.0	0.0	0.0022926	*
				-10.00000	-26.00000	99.75000	0.0	0.0	-946.28E-6	*
				-9.00000	-26.00000	99.75000	0.0	0.0	-0.0040142	*
				-8.00000	-26.00000	99.75000	0.0	0.0	-0.0068849	*
				-7.00000	-26.00000	99.75000	0.0	0.0	-0.0095368	*
				-6.00000	-26.00000	99.75000	0.0	0.0	-0.011953	*
				-5.00000	-26.00000	99.75000	0.0	0.0	-0.014123	*
				-4.00000	-26.00000	99.75000	0.0	0.0	-0.016039	*
				-3.00000	-26.00000	99.75000	0.0	0.0	-0.017701	*
				-2.00000	-26.00000	99.75000	0.0	0.0	-0.019111	*
				-1.00000	-26.00000	99.75000	0.0	0.0	-0.020276	*
				0.00000	-26.00000	99.75000	0.0	0.0	-0.021208	*
				1.00000	-26.00000	99.75000	0.0	0.0	0.0	
				2.00000	-26.00000	99.75000	0.0	0.0	0.0	
				3.00000	-26.00000	99.75000	0.0	0.0	0.0	
				4.00000	-26.00000	99.75000	0.0	0.0	0.0	
				5.00000	-26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-25.00000	99.75000	0.0	0.0	0.049699	*
				-39.00000	-25.00000	99.75000	0.0	0.0	0.051462	*
				-38.00000	-25.00000	99.75000	0.0	0.0	0.053108	*
				-37.00000	-25.00000	99.75000	0.0	0.0	0.054606	*
				-36.00000	-25.00000	99.75000	0.0	0.0	0.055928	*
				-35.00000	-25.00000	99.75000	0.0	0.0	0.057044	*
				-34.00000	-25.00000	99.75000	0.0	0.0	0.057925	*
				-33.00000	-25.00000	99.75000	0.0	0.0	0.058545	*
				-32.00000	-25.00000	99.75000	0.0	0.0	0.058881	*
				-31.00000	-25.00000	99.75000	0.0	0.0	0.058913	*
				-30.00000	-25.00000	99.75000	0.0	0.0	0.058623	*
				-29.00000	-25.00000	99.75000	0.0	0.0	0.058002	*
				-28.00000	-25.00000	99.75000	0.0	0.0	0.057040	*
				-27.00000	-25.00000	99.75000	0.0	0.0	0.055735	*
				-26.00000	-25.00000	99.75000	0.0	0.0	0.054090	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-25.00000	-25.00000	99.75000	0.0	0.0	0.052110	*
				-24.00000	-25.00000	99.75000	0.0	0.0	0.049805	*
				-23.00000	-25.00000	99.75000	0.0	0.0	0.047190	*
				-22.00000	-25.00000	99.75000	0.0	0.0	0.044282	*
				-21.00000	-25.00000	99.75000	0.0	0.0	0.041106	*
				-20.00000	-25.00000	99.75000	0.0	0.0	0.037687	*
				-19.00000	-25.00000	99.75000	0.0	0.0	0.034057	*
				-18.00000	-25.00000	99.75000	0.0	0.0	0.030249	*
				-17.00000	-25.00000	99.75000	0.0	0.0	0.026304	*
				-16.00000	-25.00000	99.75000	0.0	0.0	0.022261	*
				-15.00000	-25.00000	99.75000	0.0	0.0	0.018166	*
				-14.00000	-25.00000	99.75000	0.0	0.0	0.014063	*
				-13.00000	-25.00000	99.75000	0.0	0.0	0.0099992	*
				-12.00000	-25.00000	99.75000	0.0	0.0	0.0060193	*
				-11.00000	-25.00000	99.75000	0.0	0.0	0.0021669	*
				-10.00000	-25.00000	99.75000	0.0	0.0	-0.0015177	*
				-9.00000	-25.00000	99.75000	0.0	0.0	-0.0049983	*
				-8.00000	-25.00000	99.75000	0.0	0.0	-0.0082436	*
				-7.00000	-25.00000	99.75000	0.0	0.0	-0.011229	*
				-6.00000	-25.00000	99.75000	0.0	0.0	-0.013934	*
				-5.00000	-25.00000	99.75000	0.0	0.0	-0.016347	*
				-4.00000	-25.00000	99.75000	0.0	0.0	-0.018461	*
				-3.00000	-25.00000	99.75000	0.0	0.0	-0.020277	*
				-2.00000	-25.00000	99.75000	0.0	0.0	-0.021799	*
				-1.00000	-25.00000	99.75000	0.0	0.0	-0.023037	*
				0.00000	-25.00000	99.75000	0.0	0.0	-0.024005	*
				1.00000	-25.00000	99.75000	0.0	0.0	0.0	
				2.00000	-25.00000	99.75000	0.0	0.0	0.0	
				3.00000	-25.00000	99.75000	0.0	0.0	0.0	
				4.00000	-25.00000	99.75000	0.0	0.0	0.0	
				5.00000	-25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-24.00000	99.75000	0.0	0.0	0.054761	*
				-39.00000	-24.00000	99.75000	0.0	0.0	0.056851	*
				-38.00000	-24.00000	99.75000	0.0	0.0	0.058817	*
				-37.00000	-24.00000	99.75000	0.0	0.0	0.060624	*
				-36.00000	-24.00000	99.75000	0.0	0.0	0.062237	*
				-35.00000	-24.00000	99.75000	0.0	0.0	0.063618	*
				-34.00000	-24.00000	99.75000	0.0	0.0	0.064733	*
				-33.00000	-24.00000	99.75000	0.0	0.0	0.065551	*
				-32.00000	-24.00000	99.75000	0.0	0.0	0.066041	*
				-31.00000	-24.00000	99.75000	0.0	0.0	0.066179	*
				-30.00000	-24.00000	99.75000	0.0	0.0	0.065946	*
				-29.00000	-24.00000	99.75000	0.0	0.0	0.065327	*
				-28.00000	-24.00000	99.75000	0.0	0.0	0.064313	*
				-27.00000	-24.00000	99.75000	0.0	0.0	0.062901	*
				-26.00000	-24.00000	99.75000	0.0	0.0	0.061092	*
				-25.00000	-24.00000	99.75000	0.0	0.0	0.058893	*
				-24.00000	-24.00000	99.75000	0.0	0.0	0.056316	*
				-23.00000	-24.00000	99.75000	0.0	0.0	0.053377	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-22.00000	-24.00000	99.75000	0.0	0.0	0.050095	*
				-21.00000	-24.00000	99.75000	0.0	0.0	0.046497	*
				-20.00000	-24.00000	99.75000	0.0	0.0	0.042614	*
				-19.00000	-24.00000	99.75000	0.0	0.0	0.038479	*
				-18.00000	-24.00000	99.75000	0.0	0.0	0.034134	*
				-17.00000	-24.00000	99.75000	0.0	0.0	0.029622	*
				-16.00000	-24.00000	99.75000	0.0	0.0	0.024994	*
				-15.00000	-24.00000	99.75000	0.0	0.0	0.020302	*
				-14.00000	-24.00000	99.75000	0.0	0.0	0.015599	*
				-13.00000	-24.00000	99.75000	0.0	0.0	0.010941	*
				-12.00000	-24.00000	99.75000	0.0	0.0	0.0063831	*
				-11.00000	-24.00000	99.75000	0.0	0.0	0.0019775	*
				-10.00000	-24.00000	99.75000	0.0	0.0	-0.0022272	*
				-9.00000	-24.00000	99.75000	0.0	0.0	-0.0061874	*
				-8.00000	-24.00000	99.75000	0.0	0.0	-0.0098661	*
				-7.00000	-24.00000	99.75000	0.0	0.0	-0.013233	*
				-6.00000	-24.00000	99.75000	0.0	0.0	-0.016267	*
				-5.00000	-24.00000	99.75000	0.0	0.0	-0.018954	*
				-4.00000	-24.00000	99.75000	0.0	0.0	-0.021287	*
				-3.00000	-24.00000	99.75000	0.0	0.0	-0.023268	*
				-2.00000	-24.00000	99.75000	0.0	0.0	-0.024905	*
				-1.00000	-24.00000	99.75000	0.0	0.0	-0.026212	*
				0.00000	-24.00000	99.75000	0.0	0.0	-0.027208	*
				1.00000	-24.00000	99.75000	0.0	0.0	0.0	
				2.00000	-24.00000	99.75000	0.0	0.0	0.0	
				3.00000	-24.00000	99.75000	0.0	0.0	0.0	
				4.00000	-24.00000	99.75000	0.0	0.0	0.0	
				5.00000	-24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-23.00000	99.75000	0.0	0.0	0.060393	*
				-39.00000	-23.00000	99.75000	0.0	0.0	0.062875	*
				-38.00000	-23.00000	99.75000	0.0	0.0	0.065228	*
				-37.00000	-23.00000	99.75000	0.0	0.0	0.067410	*
				-36.00000	-23.00000	99.75000	0.0	0.0	0.069377	*
				-35.00000	-23.00000	99.75000	0.0	0.0	0.071086	*
				-34.00000	-23.00000	99.75000	0.0	0.0	0.072492	*
				-33.00000	-23.00000	99.75000	0.0	0.0	0.073557	*
				-32.00000	-23.00000	99.75000	0.0	0.0	0.074244	*
				-31.00000	-23.00000	99.75000	0.0	0.0	0.074523	*
				-30.00000	-23.00000	99.75000	0.0	0.0	0.074369	*
				-29.00000	-23.00000	99.75000	0.0	0.0	0.073767	*
				-28.00000	-23.00000	99.75000	0.0	0.0	0.072705	*
				-27.00000	-23.00000	99.75000	0.0	0.0	0.071178	*
				-26.00000	-23.00000	99.75000	0.0	0.0	0.069190	*
				-25.00000	-23.00000	99.75000	0.0	0.0	0.066748	*
				-24.00000	-23.00000	99.75000	0.0	0.0	0.063863	*
				-23.00000	-23.00000	99.75000	0.0	0.0	0.060555	*
				-22.00000	-23.00000	99.75000	0.0	0.0	0.056846	*
				-21.00000	-23.00000	99.75000	0.0	0.0	0.052764	*
				-20.00000	-23.00000	99.75000	0.0	0.0	0.048343	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-19.00000	-23.00000	99.75000	0.0	0.0	0.043624	*
				-18.00000	-23.00000	99.75000	0.0	0.0	0.038652	*
				-17.00000	-23.00000	99.75000	0.0	0.0	0.033480	*
				-16.00000	-23.00000	99.75000	0.0	0.0	0.028165	*
				-15.00000	-23.00000	99.75000	0.0	0.0	0.022770	*
				-14.00000	-23.00000	99.75000	0.0	0.0	0.017361	*
				-13.00000	-23.00000	99.75000	0.0	0.0	0.012004	*
				-12.00000	-23.00000	99.75000	0.0	0.0	0.0067654	*
				-11.00000	-23.00000	99.75000	0.0	0.0	0.0017092	*
				-10.00000	-23.00000	99.75000	0.0	0.0	-0.0031054	*
				-9.00000	-23.00000	99.75000	0.0	0.0	-0.0076259	*
				-8.00000	-23.00000	99.75000	0.0	0.0	-0.011808	*
				-7.00000	-23.00000	99.75000	0.0	0.0	-0.015615	*
				-6.00000	-23.00000	99.75000	0.0	0.0	-0.019024	*
				-5.00000	-23.00000	99.75000	0.0	0.0	-0.022017	*
				-4.00000	-23.00000	99.75000	0.0	0.0	-0.024591	*
				-3.00000	-23.00000	99.75000	0.0	0.0	-0.026749	*
				-2.00000	-23.00000	99.75000	0.0	0.0	-0.028503	*
				-1.00000	-23.00000	99.75000	0.0	0.0	-0.029872	*
				0.00000	-23.00000	99.75000	0.0	0.0	-0.030881	*
				1.00000	-23.00000	99.75000	0.0	0.0	0.0	
				2.00000	-23.00000	99.75000	0.0	0.0	0.0	
				3.00000	-23.00000	99.75000	0.0	0.0	0.0	
				4.00000	-23.00000	99.75000	0.0	0.0	0.0	
				5.00000	-23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-22.00000	99.75000	0.0	0.0	0.066667	*
				-39.00000	-22.00000	99.75000	0.0	0.0	0.069619	*
				-38.00000	-22.00000	99.75000	0.0	0.0	0.072440	*
				-37.00000	-22.00000	99.75000	0.0	0.0	0.075080	*
				-36.00000	-22.00000	99.75000	0.0	0.0	0.077484	*
				-35.00000	-22.00000	99.75000	0.0	0.0	0.079597	*
				-34.00000	-22.00000	99.75000	0.0	0.0	0.081367	*
				-33.00000	-22.00000	99.75000	0.0	0.0	0.082742	*
				-32.00000	-22.00000	99.75000	0.0	0.0	0.083680	*
				-31.00000	-22.00000	99.75000	0.0	0.0	0.084142	*
				-30.00000	-22.00000	99.75000	0.0	0.0	0.084099	*
				-29.00000	-22.00000	99.75000	0.0	0.0	0.083531	*
				-28.00000	-22.00000	99.75000	0.0	0.0	0.082426	*
				-27.00000	-22.00000	99.75000	0.0	0.0	0.080779	*
				-26.00000	-22.00000	99.75000	0.0	0.0	0.078593	*
				-25.00000	-22.00000	99.75000	0.0	0.0	0.075878	*
				-24.00000	-22.00000	99.75000	0.0	0.0	0.072646	*
				-23.00000	-22.00000	99.75000	0.0	0.0	0.068919	*
				-22.00000	-22.00000	99.75000	0.0	0.0	0.064720	*
				-21.00000	-22.00000	99.75000	0.0	0.0	0.060081	*
				-20.00000	-22.00000	99.75000	0.0	0.0	0.055039	*
				-19.00000	-22.00000	99.75000	0.0	0.0	0.049641	*
				-18.00000	-22.00000	99.75000	0.0	0.0	0.043937	*
				-17.00000	-22.00000	99.75000	0.0	0.0	0.037990	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-16.00000	-22.00000	99.75000	0.0	0.0	0.031868	*
				-15.00000	-22.00000	99.75000	0.0	0.0	0.025644	*
				-14.00000	-22.00000	99.75000	0.0	0.0	0.019399	*
				-13.00000	-22.00000	99.75000	0.0	0.0	0.013214	*
				-12.00000	-22.00000	99.75000	0.0	0.0	0.0071690	*
				-11.00000	-22.00000	99.75000	0.0	0.0	0.0013436	*
				-10.00000	-22.00000	99.75000	0.0	0.0	-0.0041903	*
				-9.00000	-22.00000	99.75000	0.0	0.0	-0.0093685	*
				-8.00000	-22.00000	99.75000	0.0	0.0	-0.014137	*
				-7.00000	-22.00000	99.75000	0.0	0.0	-0.018454	*
				-6.00000	-22.00000	99.75000	0.0	0.0	-0.022290	*
				-5.00000	-22.00000	99.75000	0.0	0.0	-0.025629	*
				-4.00000	-22.00000	99.75000	0.0	0.0	-0.028467	*
				-3.00000	-22.00000	99.75000	0.0	0.0	-0.030811	*
				-2.00000	-22.00000	99.75000	0.0	0.0	-0.032680	*
				-1.00000	-22.00000	99.75000	0.0	0.0	-0.034099	*
				0.00000	-22.00000	99.75000	0.0	0.0	-0.035101	*
				1.00000	-22.00000	99.75000	0.0	0.0	0.0	
				2.00000	-22.00000	99.75000	0.0	0.0	0.0	
				3.00000	-22.00000	99.75000	0.0	0.0	0.0	
				4.00000	-22.00000	99.75000	0.0	0.0	0.0	
				5.00000	-22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-21.00000	99.75000	0.0	0.0	0.073664	*
				-39.00000	-21.00000	99.75000	0.0	0.0	0.077182	*
				-38.00000	-21.00000	99.75000	0.0	0.0	0.080573	*
				-37.00000	-21.00000	99.75000	0.0	0.0	0.083773	*
				-36.00000	-21.00000	99.75000	0.0	0.0	0.086715	*
				-35.00000	-21.00000	99.75000	0.0	0.0	0.089332	*
				-34.00000	-21.00000	99.75000	0.0	0.0	0.091556	*
				-33.00000	-21.00000	99.75000	0.0	0.0	0.093323	*
				-32.00000	-21.00000	99.75000	0.0	0.0	0.094580	*
				-31.00000	-21.00000	99.75000	0.0	0.0	0.095279	*
				-30.00000	-21.00000	99.75000	0.0	0.0	0.095386	*
				-29.00000	-21.00000	99.75000	0.0	0.0	0.094875	*
				-28.00000	-21.00000	99.75000	0.0	0.0	0.093735	*
				-27.00000	-21.00000	99.75000	0.0	0.0	0.091961	*
				-26.00000	-21.00000	99.75000	0.0	0.0	0.089558	*
				-25.00000	-21.00000	99.75000	0.0	0.0	0.086536	*
				-24.00000	-21.00000	99.75000	0.0	0.0	0.082913	*
				-23.00000	-21.00000	99.75000	0.0	0.0	0.078708	*
				-22.00000	-21.00000	99.75000	0.0	0.0	0.073949	*
				-21.00000	-21.00000	99.75000	0.0	0.0	0.068669	*
				-20.00000	-21.00000	99.75000	0.0	0.0	0.062910	*
				-19.00000	-21.00000	99.75000	0.0	0.0	0.056720	*
				-18.00000	-21.00000	99.75000	0.0	0.0	0.050160	*
				-17.00000	-21.00000	99.75000	0.0	0.0	0.043300	*
				-16.00000	-21.00000	99.75000	0.0	0.0	0.036223	*
				-15.00000	-21.00000	99.75000	0.0	0.0	0.029016	*
				-14.00000	-21.00000	99.75000	0.0	0.0	0.021776	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-13.00000	-21.00000	99.75000	0.0	0.0	0.014604	*
				-12.00000	-21.00000	99.75000	0.0	0.0	0.0075990	*
				-11.00000	-21.00000	99.75000	0.0	0.0	858.26E-6	*
				-10.00000	-21.00000	99.75000	0.0	0.0	-0.0055290	*
				-9.00000	-21.00000	99.75000	0.0	0.0	-0.011484	*
				-8.00000	-21.00000	99.75000	0.0	0.0	-0.016941	*
				-7.00000	-21.00000	99.75000	0.0	0.0	-0.021849	*
				-6.00000	-21.00000	99.75000	0.0	0.0	-0.026175	*
				-5.00000	-21.00000	99.75000	0.0	0.0	-0.029902	*
				-4.00000	-21.00000	99.75000	0.0	0.0	-0.033028	*
				-3.00000	-21.00000	99.75000	0.0	0.0	-0.035567	*
				-2.00000	-21.00000	99.75000	0.0	0.0	-0.037543	*
				-1.00000	-21.00000	99.75000	0.0	0.0	-0.038992	*
				0.00000	-21.00000	99.75000	0.0	0.0	-0.039958	*
				1.00000	-21.00000	99.75000	0.0	0.0	0.0	
				2.00000	-21.00000	99.75000	0.0	0.0	0.0	
				3.00000	-21.00000	99.75000	0.0	0.0	0.0	
				4.00000	-21.00000	99.75000	0.0	0.0	0.0	
				5.00000	-21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-20.00000	99.75000	0.0	0.0	0.081475	*
				-39.00000	-20.00000	99.75000	0.0	0.0	0.085679	*
				-38.00000	-20.00000	99.75000	0.0	0.0	0.089765	*
				-37.00000	-20.00000	99.75000	0.0	0.0	0.093655	*
				-36.00000	-20.00000	99.75000	0.0	0.0	0.097266	*
				-35.00000	-20.00000	99.75000	0.0	0.0	0.10051	*
				-34.00000	-20.00000	99.75000	0.0	0.0	0.10331	*
				-33.00000	-20.00000	99.75000	0.0	0.0	0.10557	*
				-32.00000	-20.00000	99.75000	0.0	0.0	0.10723	*
				-31.00000	-20.00000	99.75000	0.0	0.0	0.10824	*
				-30.00000	-20.00000	99.75000	0.0	0.0	0.10854	*
				-29.00000	-20.00000	99.75000	0.0	0.0	0.10812	*
				-28.00000	-20.00000	99.75000	0.0	0.0	0.10695	*
				-27.00000	-20.00000	99.75000	0.0	0.0	0.10504	*
				-26.00000	-20.00000	99.75000	0.0	0.0	0.10240	*
				-25.00000	-20.00000	99.75000	0.0	0.0	0.099036	*
				-24.00000	-20.00000	99.75000	0.0	0.0	0.094968	*
				-23.00000	-20.00000	99.75000	0.0	0.0	0.090221	*
				-22.00000	-20.00000	99.75000	0.0	0.0	0.084823	*
				-21.00000	-20.00000	99.75000	0.0	0.0	0.078806	*
				-20.00000	-20.00000	99.75000	0.0	0.0	0.072215	*
				-19.00000	-20.00000	99.75000	0.0	0.0	0.065102	*
				-18.00000	-20.00000	99.75000	0.0	0.0	0.057537	*
				-17.00000	-20.00000	99.75000	0.0	0.0	0.049600	*
				-16.00000	-20.00000	99.75000	0.0	0.0	0.041386	*
				-15.00000	-20.00000	99.75000	0.0	0.0	0.033006	*
				-14.00000	-20.00000	99.75000	0.0	0.0	0.024576	*
				-13.00000	-20.00000	99.75000	0.0	0.0	0.016220	*
				-12.00000	-20.00000	99.75000	0.0	0.0	0.0080635	*
				-11.00000	-20.00000	99.75000	0.0	0.0	226.17E-6	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-10.00000	-20.00000	99.75000	0.0	0.0	-0.0071802	*
				-9.00000	-20.00000	99.75000	0.0	0.0	-0.014058	*
				-8.00000	-20.00000	99.75000	0.0	0.0	-0.020326	*
				-7.00000	-20.00000	99.75000	0.0	0.0	-0.025925	*
				-6.00000	-20.00000	99.75000	0.0	0.0	-0.030814	*
				-5.00000	-20.00000	99.75000	0.0	0.0	-0.034976	*
				-4.00000	-20.00000	99.75000	0.0	0.0	-0.038415	*
				-3.00000	-20.00000	99.75000	0.0	0.0	-0.041151	*
				-2.00000	-20.00000	99.75000	0.0	0.0	-0.043220	*
				-1.00000	-20.00000	99.75000	0.0	0.0	-0.044671	*
				0.00000	-20.00000	99.75000	0.0	0.0	-0.045560	*
				1.00000	-20.00000	99.75000	0.0	0.0	0.0	
				2.00000	-20.00000	99.75000	0.0	0.0	0.0	
				3.00000	-20.00000	99.75000	0.0	0.0	0.0	
				4.00000	-20.00000	99.75000	0.0	0.0	0.0	
				5.00000	-20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-19.00000	99.75000	0.0	0.0	0.090204	*
				-39.00000	-19.00000	99.75000	0.0	0.0	0.095241	*
				-38.00000	-19.00000	99.75000	0.0	0.0	0.10018	*
				-37.00000	-19.00000	99.75000	0.0	0.0	0.10493	*
				-36.00000	-19.00000	99.75000	0.0	0.0	0.10937	*
				-35.00000	-19.00000	99.75000	0.0	0.0	0.11341	*
				-34.00000	-19.00000	99.75000	0.0	0.0	0.11693	*
				-33.00000	-19.00000	99.75000	0.0	0.0	0.11982	*
				-32.00000	-19.00000	99.75000	0.0	0.0	0.12200	*
				-31.00000	-19.00000	99.75000	0.0	0.0	0.12340	*
				-30.00000	-19.00000	99.75000	0.0	0.0	0.12396	*
				-29.00000	-19.00000	99.75000	0.0	0.0	0.12366	*
				-28.00000	-19.00000	99.75000	0.0	0.0	0.12248	*
				-27.00000	-19.00000	99.75000	0.0	0.0	0.12043	*
				-26.00000	-19.00000	99.75000	0.0	0.0	0.11752	*
				-25.00000	-19.00000	99.75000	0.0	0.0	0.11377	*
				-24.00000	-19.00000	99.75000	0.0	0.0	0.10920	*
				-23.00000	-19.00000	99.75000	0.0	0.0	0.10383	*
				-22.00000	-19.00000	99.75000	0.0	0.0	0.097705	*
				-21.00000	-19.00000	99.75000	0.0	0.0	0.090843	*
				-20.00000	-19.00000	99.75000	0.0	0.0	0.083288	*
				-19.00000	-19.00000	99.75000	0.0	0.0	0.075100	*
				-18.00000	-19.00000	99.75000	0.0	0.0	0.066350	*
				-17.00000	-19.00000	99.75000	0.0	0.0	0.057134	*
				-16.00000	-19.00000	99.75000	0.0	0.0	0.047565	*
				-15.00000	-19.00000	99.75000	0.0	0.0	0.037775	*
				-14.00000	-19.00000	99.75000	0.0	0.0	0.027910	*
				-13.00000	-19.00000	99.75000	0.0	0.0	0.018125	*
				-12.00000	-19.00000	99.75000	0.0	0.0	0.0085756	*
				-11.00000	-19.00000	99.75000	0.0	0.0	-585.37E-6	*
				-10.00000	-19.00000	99.75000	0.0	0.0	-0.0092180	*
				-9.00000	-19.00000	99.75000	0.0	0.0	-0.017200	*
				-8.00000	-19.00000	99.75000	0.0	0.0	-0.024431	*



9 Lyndhurst Terrace, London
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-7.00000	-19.00000	99.75000	0.0	0.0	-0.030838	*
				-6.00000	-19.00000	99.75000	0.0	0.0	-0.036376	*
				-5.00000	-19.00000	99.75000	0.0	0.0	-0.041027	*
				-4.00000	-19.00000	99.75000	0.0	0.0	-0.044800	*
				-3.00000	-19.00000	99.75000	0.0	0.0	-0.047730	*
				-2.00000	-19.00000	99.75000	0.0	0.0	-0.049866	*
				-1.00000	-19.00000	99.75000	0.0	0.0	-0.051276	*
				0.00000	-19.00000	99.75000	0.0	0.0	-0.052034	*
				1.00000	-19.00000	99.75000	0.0	0.0	0.0	
				2.00000	-19.00000	99.75000	0.0	0.0	0.0	
				3.00000	-19.00000	99.75000	0.0	0.0	0.0	
				4.00000	-19.00000	99.75000	0.0	0.0	0.0	
				5.00000	-19.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-18.00000	99.75000	0.0	0.0	0.099966	*
				-39.00000	-18.00000	99.75000	0.0	0.0	0.10602	*
				-38.00000	-18.00000	99.75000	0.0	0.0	0.11201	*
				-37.00000	-18.00000	99.75000	0.0	0.0	0.11783	*
				-36.00000	-18.00000	99.75000	0.0	0.0	0.12332	*
				-35.00000	-18.00000	99.75000	0.0	0.0	0.12836	*
				-34.00000	-18.00000	99.75000	0.0	0.0	0.13280	*
				-33.00000	-18.00000	99.75000	0.0	0.0	0.13650	*
				-32.00000	-18.00000	99.75000	0.0	0.0	0.13935	*
				-31.00000	-18.00000	99.75000	0.0	0.0	0.14125	*
				-30.00000	-18.00000	99.75000	0.0	0.0	0.14215	*
				-29.00000	-18.00000	99.75000	0.0	0.0	0.14201	*
				-28.00000	-18.00000	99.75000	0.0	0.0	0.14083	*
				-27.00000	-18.00000	99.75000	0.0	0.0	0.13861	*
				-26.00000	-18.00000	99.75000	0.0	0.0	0.13540	*
				-25.00000	-18.00000	99.75000	0.0	0.0	0.13121	*
				-24.00000	-18.00000	99.75000	0.0	0.0	0.12608	*
				-23.00000	-18.00000	99.75000	0.0	0.0	0.12002	*
				-22.00000	-18.00000	99.75000	0.0	0.0	0.11306	*
				-21.00000	-18.00000	99.75000	0.0	0.0	0.10523	*
				-20.00000	-18.00000	99.75000	0.0	0.0	0.096564	*
				-19.00000	-18.00000	99.75000	0.0	0.0	0.087117	*
				-18.00000	-18.00000	99.75000	0.0	0.0	0.076970	*
				-17.00000	-18.00000	99.75000	0.0	0.0	0.066229	*
				-16.00000	-18.00000	99.75000	0.0	0.0	0.055031	*
				-15.00000	-18.00000	99.75000	0.0	0.0	0.043537	*
				-14.00000	-18.00000	99.75000	0.0	0.0	0.031929	*
				-13.00000	-18.00000	99.75000	0.0	0.0	0.020402	*
				-12.00000	-18.00000	99.75000	0.0	0.0	0.0091565	*
				-11.00000	-18.00000	99.75000	0.0	0.0	-0.0016156	*
				-10.00000	-18.00000	99.75000	0.0	0.0	-0.011736	*
				-9.00000	-18.00000	99.75000	0.0	0.0	-0.021049	*
				-8.00000	-18.00000	99.75000	0.0	0.0	-0.029430	*
				-7.00000	-18.00000	99.75000	0.0	0.0	-0.036790	*
				-6.00000	-18.00000	99.75000	0.0	0.0	-0.043076	*
				-5.00000	-18.00000	99.75000	0.0	0.0	-0.048274	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-4.00000	-18.00000	99.75000	0.0	0.0	-0.052402	*
				-3.00000	-18.00000	99.75000	0.0	0.0	-0.055511	*
				-2.00000	-18.00000	99.75000	0.0	0.0	-0.057673	*
				-1.00000	-18.00000	99.75000	0.0	0.0	-0.058978	*
				0.00000	-18.00000	99.75000	0.0	0.0	-0.059528	*
				1.00000	-18.00000	99.75000	0.0	0.0	0.0	
				2.00000	-18.00000	99.75000	0.0	0.0	0.0	
				3.00000	-18.00000	99.75000	0.0	0.0	0.0	
				4.00000	-18.00000	99.75000	0.0	0.0	0.0	
				5.00000	-18.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-17.00000	99.75000	0.0	0.0	0.11089	*
				-39.00000	-17.00000	99.75000	0.0	0.0	0.11819	*
				-38.00000	-17.00000	99.75000	0.0	0.0	0.12549	*
				-37.00000	-17.00000	99.75000	0.0	0.0	0.13265	*
				-36.00000	-17.00000	99.75000	0.0	0.0	0.13948	*
				-35.00000	-17.00000	99.75000	0.0	0.0	0.14581	*
				-34.00000	-17.00000	99.75000	0.0	0.0	0.15143	*
				-33.00000	-17.00000	99.75000	0.0	0.0	0.15617	*
				-32.00000	-17.00000	99.75000	0.0	0.0	0.15988	*
				-31.00000	-17.00000	99.75000	0.0	0.0	0.16243	*
				-30.00000	-17.00000	99.75000	0.0	0.0	0.16375	*
				-29.00000	-17.00000	99.75000	0.0	0.0	0.16381	*
				-28.00000	-17.00000	99.75000	0.0	0.0	0.16263	*
				-27.00000	-17.00000	99.75000	0.0	0.0	0.16024	*
				-26.00000	-17.00000	99.75000	0.0	0.0	0.15667	*
				-25.00000	-17.00000	99.75000	0.0	0.0	0.15199	*
				-24.00000	-17.00000	99.75000	0.0	0.0	0.14622	*
				-23.00000	-17.00000	99.75000	0.0	0.0	0.13938	*
				-22.00000	-17.00000	99.75000	0.0	0.0	0.13149	*
				-21.00000	-17.00000	99.75000	0.0	0.0	0.12255	*
				-20.00000	-17.00000	99.75000	0.0	0.0	0.11261	*
				-19.00000	-17.00000	99.75000	0.0	0.0	0.10169	*
				-18.00000	-17.00000	99.75000	0.0	0.0	0.089889	*
				-17.00000	-17.00000	99.75000	0.0	0.0	0.077323	*
				-16.00000	-17.00000	99.75000	0.0	0.0	0.064154	*
				-15.00000	-17.00000	99.75000	0.0	0.0	0.050583	*
				-14.00000	-17.00000	99.75000	0.0	0.0	0.036839	*
				-13.00000	-17.00000	99.75000	0.0	0.0	0.023173	*
				-12.00000	-17.00000	99.75000	0.0	0.0	0.0098401	*
				-11.00000	-17.00000	99.75000	0.0	0.0	-0.0029115	*
				-10.00000	-17.00000	99.75000	0.0	0.0	-0.014852	*
				-9.00000	-17.00000	99.75000	0.0	0.0	-0.025785	*
				-8.00000	-17.00000	99.75000	0.0	0.0	-0.035551	*
				-7.00000	-17.00000	99.75000	0.0	0.0	-0.044040	*
				-6.00000	-17.00000	99.75000	0.0	0.0	-0.051193	*
				-5.00000	-17.00000	99.75000	0.0	0.0	-0.056998	*
				-4.00000	-17.00000	99.75000	0.0	0.0	-0.061492	*
				-3.00000	-17.00000	99.75000	0.0	0.0	-0.064749	*
				-2.00000	-17.00000	99.75000	0.0	0.0	-0.066872	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-1.00000	-17.00000	99.75000	0.0	0.0	-0.067985	*
				0.00000	-17.00000	99.75000	0.0	0.0	-0.068222	*
				1.00000	-17.00000	99.75000	0.0	0.0	0.0	
				2.00000	-17.00000	99.75000	0.0	0.0	0.0	
				3.00000	-17.00000	99.75000	0.0	0.0	0.0	
				4.00000	-17.00000	99.75000	0.0	0.0	0.0	
				5.00000	-17.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-16.00000	99.75000	0.0	0.0	0.12311	*
				-39.00000	-16.00000	99.75000	0.0	0.0	0.13195	*
				-38.00000	-16.00000	99.75000	0.0	0.0	0.14089	*
				-37.00000	-16.00000	99.75000	0.0	0.0	0.14975	*
				-36.00000	-16.00000	99.75000	0.0	0.0	0.15830	*
				-35.00000	-16.00000	99.75000	0.0	0.0	0.16629	*
				-34.00000	-16.00000	99.75000	0.0	0.0	0.17346	*
				-33.00000	-16.00000	99.75000	0.0	0.0	0.17956	*
				-32.00000	-16.00000	99.75000	0.0	0.0	0.18438	*
				-31.00000	-16.00000	99.75000	0.0	0.0	0.18775	*
				-30.00000	-16.00000	99.75000	0.0	0.0	0.18961	*
				-29.00000	-16.00000	99.75000	0.0	0.0	0.18992	*
				-28.00000	-16.00000	99.75000	0.0	0.0	0.18873	*
				-27.00000	-16.00000	99.75000	0.0	0.0	0.18611	*
				-26.00000	-16.00000	99.75000	0.0	0.0	0.18214	*
				-25.00000	-16.00000	99.75000	0.0	0.0	0.17689	*
				-24.00000	-16.00000	99.75000	0.0	0.0	0.17040	*
				-23.00000	-16.00000	99.75000	0.0	0.0	0.16269	*
				-22.00000	-16.00000	99.75000	0.0	0.0	0.15376	*
				-21.00000	-16.00000	99.75000	0.0	0.0	0.14358	*
				-20.00000	-16.00000	99.75000	0.0	0.0	0.13217	*
				-19.00000	-16.00000	99.75000	0.0	0.0	0.11954	*
				-18.00000	-16.00000	99.75000	0.0	0.0	0.10578	*
				-17.00000	-16.00000	99.75000	0.0	0.0	0.091011	*
				-16.00000	-16.00000	99.75000	0.0	0.0	0.075439	*
				-15.00000	-16.00000	99.75000	0.0	0.0	0.059314	*
				-14.00000	-16.00000	99.75000	0.0	0.0	0.042929	*
				-13.00000	-16.00000	99.75000	0.0	0.0	0.026607	*
				-12.00000	-16.00000	99.75000	0.0	0.0	0.010680	*
				-11.00000	-16.00000	99.75000	0.0	0.0	-0.0045280	*
				-10.00000	-16.00000	99.75000	0.0	0.0	-0.018720	*
				-9.00000	-16.00000	99.75000	0.0	0.0	-0.031640	*
				-8.00000	-16.00000	99.75000	0.0	0.0	-0.043088	*
				-7.00000	-16.00000	99.75000	0.0	0.0	-0.052925	*
				-6.00000	-16.00000	99.75000	0.0	0.0	-0.061083	*
				-5.00000	-16.00000	99.75000	0.0	0.0	-0.067560	*
				-4.00000	-16.00000	99.75000	0.0	0.0	-0.072417	*
				-3.00000	-16.00000	99.75000	0.0	0.0	-0.075765	*
				-2.00000	-16.00000	99.75000	0.0	0.0	-0.077750	*
				-1.00000	-16.00000	99.75000	0.0	0.0	-0.078543	*
				0.00000	-16.00000	99.75000	0.0	0.0	-0.078324	*
				1.00000	-16.00000	99.75000	0.0	0.0	0.0	



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				2.00000	-16.00000	99.75000	0.0	0.0	0.0	
				3.00000	-16.00000	99.75000	0.0	0.0	0.0	
				4.00000	-16.00000	99.75000	0.0	0.0	0.0	
				5.00000	-16.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-15.00000	99.75000	0.0	0.0	0.13678	*
				-39.00000	-15.00000	99.75000	0.0	0.0	0.14752	*
				-38.00000	-15.00000	99.75000	0.0	0.0	0.15852	*
				-37.00000	-15.00000	99.75000	0.0	0.0	0.16956	*
				-36.00000	-15.00000	99.75000	0.0	0.0	0.18033	*
				-35.00000	-15.00000	99.75000	0.0	0.0	0.19051	*
				-34.00000	-15.00000	99.75000	0.0	0.0	0.19973	*
				-33.00000	-15.00000	99.75000	0.0	0.0	0.20763	*
				-32.00000	-15.00000	99.75000	0.0	0.0	0.21391	*
				-31.00000	-15.00000	99.75000	0.0	0.0	0.21835	*
				-30.00000	-15.00000	99.75000	0.0	0.0	0.22087	*
				-29.00000	-15.00000	99.75000	0.0	0.0	0.22146	*
				-28.00000	-15.00000	99.75000	0.0	0.0	0.22022	*
				-27.00000	-15.00000	99.75000	0.0	0.0	0.21730	*
				-26.00000	-15.00000	99.75000	0.0	0.0	0.21282	*
				-25.00000	-15.00000	99.75000	0.0	0.0	0.20691	*
				-24.00000	-15.00000	99.75000	0.0	0.0	0.19963	*
				-23.00000	-15.00000	99.75000	0.0	0.0	0.19097	*
				-22.00000	-15.00000	99.75000	0.0	0.0	0.18090	*
				-21.00000	-15.00000	99.75000	0.0	0.0	0.16935	*
				-20.00000	-15.00000	99.75000	0.0	0.0	0.15627	*
				-19.00000	-15.00000	99.75000	0.0	0.0	0.14165	*
				-18.00000	-15.00000	99.75000	0.0	0.0	0.12555	*
				-17.00000	-15.00000	99.75000	0.0	0.0	0.10812	*
				-16.00000	-15.00000	99.75000	0.0	0.0	0.089591	*
				-15.00000	-15.00000	99.75000	0.0	0.0	0.070291	*
				-14.00000	-15.00000	99.75000	0.0	0.0	0.050602	*
				-13.00000	-15.00000	99.75000	0.0	0.0	0.030947	*
				-12.00000	-15.00000	99.75000	0.0	0.0	0.011762	*
				-11.00000	-15.00000	99.75000	0.0	0.0	-0.0065282	*
				-10.00000	-15.00000	99.75000	0.0	0.0	-0.023534	*
				-9.00000	-15.00000	99.75000	0.0	0.0	-0.038922	*
				-8.00000	-15.00000	99.75000	0.0	0.0	-0.052431	*
				-7.00000	-15.00000	99.75000	0.0	0.0	-0.063889	*
				-6.00000	-15.00000	99.75000	0.0	0.0	-0.073215	*
				-5.00000	-15.00000	99.75000	0.0	0.0	-0.080426	*
				-4.00000	-15.00000	99.75000	0.0	0.0	-0.085619	*
				-3.00000	-15.00000	99.75000	0.0	0.0	-0.088960	*
				-2.00000	-15.00000	99.75000	0.0	0.0	-0.090660	*
				-1.00000	-15.00000	99.75000	0.0	0.0	-0.090954	*
				0.00000	-15.00000	99.75000	0.0	0.0	-0.090083	*
				1.00000	-15.00000	99.75000	0.0	0.0	0.0	
				2.00000	-15.00000	99.75000	0.0	0.0	0.0	
				3.00000	-15.00000	99.75000	0.0	0.0	0.0	
				4.00000	-15.00000	99.75000	0.0	0.0	0.0	



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J20089		
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Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				5.00000	-15.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-14.00000	99.75000	0.0	0.0	0.15203	*
				-39.00000	-14.00000	99.75000	0.0	0.0	0.16514	*
				-38.00000	-14.00000	99.75000	0.0	0.0	0.17875	*
				-37.00000	-14.00000	99.75000	0.0	0.0	0.19261	*
				-36.00000	-14.00000	99.75000	0.0	0.0	0.20632	*
				-35.00000	-14.00000	99.75000	0.0	0.0	0.21942	*
				-34.00000	-14.00000	99.75000	0.0	0.0	0.23139	*
				-33.00000	-14.00000	99.75000	0.0	0.0	0.24172	*
				-32.00000	-14.00000	99.75000	0.0	0.0	0.24995	*
				-31.00000	-14.00000	99.75000	0.0	0.0	0.25578	*
				-30.00000	-14.00000	99.75000	0.0	0.0	0.25910	*
				-29.00000	-14.00000	99.75000	0.0	0.0	0.25996	*
				-28.00000	-14.00000	99.75000	0.0	0.0	0.25857	*
				-27.00000	-14.00000	99.75000	0.0	0.0	0.25518	*
				-26.00000	-14.00000	99.75000	0.0	0.0	0.25005	*
				-25.00000	-14.00000	99.75000	0.0	0.0	0.24337	*
				-24.00000	-14.00000	99.75000	0.0	0.0	0.23521	*
				-23.00000	-14.00000	99.75000	0.0	0.0	0.22555	*
				-22.00000	-14.00000	99.75000	0.0	0.0	0.21428	*
				-21.00000	-14.00000	99.75000	0.0	0.0	0.20125	*
				-20.00000	-14.00000	99.75000	0.0	0.0	0.18631	*
				-19.00000	-14.00000	99.75000	0.0	0.0	0.16938	*
				-18.00000	-14.00000	99.75000	0.0	0.0	0.15050	*
				-17.00000	-14.00000	99.75000	0.0	0.0	0.12980	*
				-16.00000	-14.00000	99.75000	0.0	0.0	0.10760	*
				-15.00000	-14.00000	99.75000	0.0	0.0	0.084314	*
				-14.00000	-14.00000	99.75000	0.0	0.0	0.060443	*
				-13.00000	-14.00000	99.75000	0.0	0.0	0.036553	*
				-12.00000	-14.00000	99.75000	0.0	0.0	0.013225	*
				-11.00000	-14.00000	99.75000	0.0	0.0	-0.0089802	*
				-10.00000	-14.00000	99.75000	0.0	0.0	-0.029547	*
				-9.00000	-14.00000	99.75000	0.0	0.0	-0.048035	*
				-8.00000	-14.00000	99.75000	0.0	0.0	-0.064101	*
				-7.00000	-14.00000	99.75000	0.0	0.0	-0.077523	*
				-6.00000	-14.00000	99.75000	0.0	0.0	-0.088211	*
				-5.00000	-14.00000	99.75000	0.0	0.0	-0.096207	*
				-4.00000	-14.00000	99.75000	0.0	0.0	-0.10167	*
				-3.00000	-14.00000	99.75000	0.0	0.0	-0.10485	*
				-2.00000	-14.00000	99.75000	0.0	0.0	-0.10604	*
				-1.00000	-14.00000	99.75000	0.0	0.0	-0.10558	*
				0.00000	-14.00000	99.75000	0.0	0.0	-0.10379	*
				1.00000	-14.00000	99.75000	0.0	0.0	0.0	
				2.00000	-14.00000	99.75000	0.0	0.0	0.0	
				3.00000	-14.00000	99.75000	0.0	0.0	0.0	
				4.00000	-14.00000	99.75000	0.0	0.0	0.0	
				5.00000	-14.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-13.00000	99.75000	0.0	0.0	0.16900	*
				-39.00000	-13.00000	99.75000	0.0	0.0	0.18505	*



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 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-38.00000	-13.00000	99.75000	0.0	0.0	0.20200	*
				-37.00000	-13.00000	99.75000	0.0	0.0	0.21954	*
				-36.00000	-13.00000	99.75000	0.0	0.0	0.23718	*
				-35.00000	-13.00000	99.75000	0.0	0.0	0.25427	*
				-34.00000	-13.00000	99.75000	0.0	0.0	0.27004	*
				-33.00000	-13.00000	99.75000	0.0	0.0	0.28371	*
				-32.00000	-13.00000	99.75000	0.0	0.0	0.29459	*
				-31.00000	-13.00000	99.75000	0.0	0.0	0.30223	*
				-30.00000	-13.00000	99.75000	0.0	0.0	0.30648	*
				-29.00000	-13.00000	99.75000	0.0	0.0	0.30753	*
				-28.00000	-13.00000	99.75000	0.0	0.0	0.30575	*
				-27.00000	-13.00000	99.75000	0.0	0.0	0.30163	*
				-26.00000	-13.00000	99.75000	0.0	0.0	0.29561	*
				-25.00000	-13.00000	99.75000	0.0	0.0	0.28800	*
				-24.00000	-13.00000	99.75000	0.0	0.0	0.27891	*
				-23.00000	-13.00000	99.75000	0.0	0.0	0.26824	*
				-22.00000	-13.00000	99.75000	0.0	0.0	0.25578	*
				-21.00000	-13.00000	99.75000	0.0	0.0	0.24122	*
				-20.00000	-13.00000	99.75000	0.0	0.0	0.22426	*
				-19.00000	-13.00000	99.75000	0.0	0.0	0.20468	*
				-18.00000	-13.00000	99.75000	0.0	0.0	0.18246	*
				-17.00000	-13.00000	99.75000	0.0	0.0	0.15774	*
				-16.00000	-13.00000	99.75000	0.0	0.0	0.13092	*
				-15.00000	-13.00000	99.75000	0.0	0.0	0.10254	*
				-14.00000	-13.00000	99.75000	0.0	0.0	0.073298	*
				-13.00000	-13.00000	99.75000	0.0	0.0	0.043959	*
				-12.00000	-13.00000	99.75000	0.0	0.0	0.015295	*
				-11.00000	-13.00000	99.75000	0.0	0.0	-0.011947	*
				-10.00000	-13.00000	99.75000	0.0	0.0	-0.037082	*
				-9.00000	-13.00000	99.75000	0.0	0.0	-0.059520	*
				-8.00000	-13.00000	99.75000	0.0	0.0	-0.078800	*
				-7.00000	-13.00000	99.75000	0.0	0.0	-0.094630	*
				-6.00000	-13.00000	99.75000	0.0	0.0	-0.10691	*
				-5.00000	-13.00000	99.75000	0.0	0.0	-0.11572	*
				-4.00000	-13.00000	99.75000	0.0	0.0	-0.12131	*
				-3.00000	-13.00000	99.75000	0.0	0.0	-0.12407	*
				-2.00000	-13.00000	99.75000	0.0	0.0	-0.12443	*
				-1.00000	-13.00000	99.75000	0.0	0.0	-0.12285	*
				0.00000	-13.00000	99.75000	0.0	0.0	-0.11978	*
				1.00000	-13.00000	99.75000	0.0	0.0	0.0	
				2.00000	-13.00000	99.75000	0.0	0.0	0.0	
				3.00000	-13.00000	99.75000	0.0	0.0	0.0	
				4.00000	-13.00000	99.75000	0.0	0.0	0.0	
				5.00000	-13.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-12.00000	99.75000	0.0	0.0	0.18778	*
				-39.00000	-12.00000	99.75000	0.0	0.0	0.20748	*
				-38.00000	-12.00000	99.75000	0.0	0.0	0.22871	*
				-37.00000	-12.00000	99.75000	0.0	0.0	0.25112	*
				-36.00000	-12.00000	99.75000	0.0	0.0	0.27410	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-35.00000	-12.00000	99.75000	0.0	0.0	0.29674	*
				-34.00000	-12.00000	99.75000	0.0	0.0	0.31791	*
				-33.00000	-12.00000	99.75000	0.0	0.0	0.33634	*
				-32.00000	-12.00000	99.75000	0.0	0.0	0.35093	*
				-31.00000	-12.00000	99.75000	0.0	0.0	0.36095	*
				-30.00000	-12.00000	99.75000	0.0	0.0	0.36624	*
				-29.00000	-12.00000	99.75000	0.0	0.0	0.36718	*
				-28.00000	-12.00000	99.75000	0.0	0.0	0.36453	*
				-27.00000	-12.00000	99.75000	0.0	0.0	0.35918	*
				-26.00000	-12.00000	99.75000	0.0	0.0	0.35188	*
				-25.00000	-12.00000	99.75000	0.0	0.0	0.34314	*
				-24.00000	-12.00000	99.75000	0.0	0.0	0.33308	*
				-23.00000	-12.00000	99.75000	0.0	0.0	0.32153	*
				-22.00000	-12.00000	99.75000	0.0	0.0	0.30803	*
				-21.00000	-12.00000	99.75000	0.0	0.0	0.29203	*
				-20.00000	-12.00000	99.75000	0.0	0.0	0.27296	*
				-19.00000	-12.00000	99.75000	0.0	0.0	0.25039	*
				-18.00000	-12.00000	99.75000	0.0	0.0	0.22415	*
				-17.00000	-12.00000	99.75000	0.0	0.0	0.19440	*
				-16.00000	-12.00000	99.75000	0.0	0.0	0.16164	*
				-15.00000	-12.00000	99.75000	0.0	0.0	0.12666	*
				-14.00000	-12.00000	99.75000	0.0	0.0	0.090426	*
				-13.00000	-12.00000	99.75000	0.0	0.0	0.053975	*
				-12.00000	-12.00000	99.75000	0.0	0.0	0.018348	*
				-11.00000	-12.00000	99.75000	0.0	0.0	-0.015463	*
				-10.00000	-12.00000	99.75000	0.0	0.0	-0.046547	*
				-9.00000	-12.00000	99.75000	0.0	0.0	-0.074102	*
				-8.00000	-12.00000	99.75000	0.0	0.0	-0.097493	*
				-7.00000	-12.00000	99.75000	0.0	0.0	-0.11632	*
				-6.00000	-12.00000	99.75000	0.0	0.0	-0.13045	*
				-5.00000	-12.00000	99.75000	0.0	0.0	-0.14005	*
				-4.00000	-12.00000	99.75000	0.0	0.0	-0.14553	*
				-3.00000	-12.00000	99.75000	0.0	0.0	-0.14746	*
				-2.00000	-12.00000	99.75000	0.0	0.0	-0.14650	*
				-1.00000	-12.00000	99.75000	0.0	0.0	-0.14329	*
				0.00000	-12.00000	99.75000	0.0	0.0	-0.13844	*
				1.00000	-12.00000	99.75000	0.0	0.0	0.0	
				2.00000	-12.00000	99.75000	0.0	0.0	0.0	
				3.00000	-12.00000	99.75000	0.0	0.0	0.0	
				4.00000	-12.00000	99.75000	0.0	0.0	0.0	
				5.00000	-12.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-11.00000	99.75000	0.0	0.0	0.20838	*
				-39.00000	-11.00000	99.75000	0.0	0.0	0.23260	*
				-38.00000	-11.00000	99.75000	0.0	0.0	0.25932	*
				-37.00000	-11.00000	99.75000	0.0	0.0	0.28822	*
				-36.00000	-11.00000	99.75000	0.0	0.0	0.31859	*
				-35.00000	-11.00000	99.75000	0.0	0.0	0.34919	*
				-34.00000	-11.00000	99.75000	0.0	0.0	0.37825	*
				-33.00000	-11.00000	99.75000	0.0	0.0	0.40373	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-32.00000	-11.00000	99.75000	0.0	0.0	0.42370	*
				-31.00000	-11.00000	99.75000	0.0	0.0	0.43692	*
				-30.00000	-11.00000	99.75000	0.0	0.0	0.44320	*
				-29.00000	-11.00000	99.75000	0.0	0.0	0.44336	*
				-28.00000	-11.00000	99.75000	0.0	0.0	0.43889	*
				-27.00000	-11.00000	99.75000	0.0	0.0	0.43137	*
				-26.00000	-11.00000	99.75000	0.0	0.0	0.42215	*
				-25.00000	-11.00000	99.75000	0.0	0.0	0.41199	*
				-24.00000	-11.00000	99.75000	0.0	0.0	0.40105	*
				-23.00000	-11.00000	99.75000	0.0	0.0	0.38893	*
				-22.00000	-11.00000	99.75000	0.0	0.0	0.37484	*
				-21.00000	-11.00000	99.75000	0.0	0.0	0.35775	*
				-20.00000	-11.00000	99.75000	0.0	0.0	0.33665	*
				-19.00000	-11.00000	99.75000	0.0	0.0	0.31075	*
				-18.00000	-11.00000	99.75000	0.0	0.0	0.27964	*
				-17.00000	-11.00000	99.75000	0.0	0.0	0.24347	*
				-16.00000	-11.00000	99.75000	0.0	0.0	0.20296	*
				-15.00000	-11.00000	99.75000	0.0	0.0	0.15925	*
				-14.00000	-11.00000	99.75000	0.0	0.0	0.11373	*
				-13.00000	-11.00000	99.75000	0.0	0.0	0.067867	*
				-12.00000	-11.00000	99.75000	0.0	0.0	0.023034	*
				-11.00000	-11.00000	99.75000	0.0	0.0	-0.019469	*
				-10.00000	-11.00000	99.75000	0.0	0.0	-0.058435	*
				-9.00000	-11.00000	99.75000	0.0	0.0	-0.092759	*
				-8.00000	-11.00000	99.75000	0.0	0.0	-0.12153	*
				-7.00000	-11.00000	99.75000	0.0	0.0	-0.14414	*
				-6.00000	-11.00000	99.75000	0.0	0.0	-0.16044	*
				-5.00000	-11.00000	99.75000	0.0	0.0	-0.17071	*
				-4.00000	-11.00000	99.75000	0.0	0.0	-0.17563	*
				-3.00000	-11.00000	99.75000	0.0	0.0	-0.17610	*
				-2.00000	-11.00000	99.75000	0.0	0.0	-0.17308	*
				-1.00000	-11.00000	99.75000	0.0	0.0	-0.16752	*
				0.00000	-11.00000	99.75000	0.0	0.0	-0.16021	*
				1.00000	-11.00000	99.75000	0.0	0.0	0.0	
				2.00000	-11.00000	99.75000	0.0	0.0	0.0	
				3.00000	-11.00000	99.75000	0.0	0.0	0.0	
				4.00000	-11.00000	99.75000	0.0	0.0	0.0	
				5.00000	-11.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-10.00000	99.75000	0.0	0.0	0.23067	*
				-39.00000	-10.00000	99.75000	0.0	0.0	0.26044	*
				-38.00000	-10.00000	99.75000	0.0	0.0	0.29418	*
				-37.00000	-10.00000	99.75000	0.0	0.0	0.33178	*
				-36.00000	-10.00000	99.75000	0.0	0.0	0.37253	*
				-35.00000	-10.00000	99.75000	0.0	0.0	0.41482	*
				-34.00000	-10.00000	99.75000	0.0	0.0	0.45594	*
				-33.00000	-10.00000	99.75000	0.0	0.0	0.49236	*
				-32.00000	-10.00000	99.75000	0.0	0.0	0.52054	*
				-31.00000	-10.00000	99.75000	0.0	0.0	0.53816	*
				-30.00000	-10.00000	99.75000	0.0	0.0	0.54501	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-29.00000	-10.00000	99.75000	0.0	0.0	0.54289	*
				-28.00000	-10.00000	99.75000	0.0	0.0	0.53470	*
				-27.00000	-10.00000	99.75000	0.0	0.0	0.52336	*
				-26.00000	-10.00000	99.75000	0.0	0.0	0.51112	*
				-25.00000	-10.00000	99.75000	0.0	0.0	0.49918	*
				-24.00000	-10.00000	99.75000	0.0	0.0	0.48763	*
				-23.00000	-10.00000	99.75000	0.0	0.0	0.47569	*
				-22.00000	-10.00000	99.75000	0.0	0.0	0.46190	*
				-21.00000	-10.00000	99.75000	0.0	0.0	0.44453	*
				-20.00000	-10.00000	99.75000	0.0	0.0	0.42184	*
				-19.00000	-10.00000	99.75000	0.0	0.0	0.39236	*
				-18.00000	-10.00000	99.75000	0.0	0.0	0.35528	*
				-17.00000	-10.00000	99.75000	0.0	0.0	0.31073	*
				-16.00000	-10.00000	99.75000	0.0	0.0	0.25977	*
				-15.00000	-10.00000	99.75000	0.0	0.0	0.20422	*
				-14.00000	-10.00000	99.75000	0.0	0.0	0.14617	*
				-13.00000	-10.00000	99.75000	0.0	0.0	0.087660	*
				-12.00000	-10.00000	99.75000	0.0	0.0	0.030510	*
				-11.00000	-10.00000	99.75000	0.0	0.0	-0.023656	*
				-10.00000	-10.00000	99.75000	0.0	0.0	-0.073277	*
				-9.00000	-10.00000	99.75000	0.0	0.0	-0.11680	*
				-8.00000	-10.00000	99.75000	0.0	0.0	-0.15281	*
				-7.00000	-10.00000	99.75000	0.0	0.0	-0.18036	*
				-6.00000	-10.00000	99.75000	0.0	0.0	-0.19918	*
				-5.00000	-10.00000	99.75000	0.0	0.0	-0.20981	*
				-4.00000	-10.00000	99.75000	0.0	0.0	-0.21339	*
				-3.00000	-10.00000	99.75000	0.0	0.0	-0.21135	*
				-2.00000	-10.00000	99.75000	0.0	0.0	-0.20519	*
				-1.00000	-10.00000	99.75000	0.0	0.0	-0.19623	*
				0.00000	-10.00000	99.75000	0.0	0.0	-0.18555	*
				1.00000	-10.00000	99.75000	0.0	0.0	0.0	
				2.00000	-10.00000	99.75000	0.0	0.0	0.0	
				3.00000	-10.00000	99.75000	0.0	0.0	0.0	
				4.00000	-10.00000	99.75000	0.0	0.0	0.0	
				5.00000	-10.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-9.00000	99.75000	0.0	0.0	0.25435	*
				-39.00000	-9.00000	99.75000	0.0	0.0	0.29077	*
				-38.00000	-9.00000	99.75000	0.0	0.0	0.33336	*
				-37.00000	-9.00000	99.75000	0.0	0.0	0.38258	*
				-36.00000	-9.00000	99.75000	0.0	0.0	0.43810	*
				-35.00000	-9.00000	99.75000	0.0	0.0	0.49810	*
				-34.00000	-9.00000	99.75000	0.0	0.0	0.55851	*
				-33.00000	-9.00000	99.75000	0.0	0.0	0.61301	*
				-32.00000	-9.00000	99.75000	0.0	0.0	0.65456	*
				-31.00000	-9.00000	99.75000	0.0	0.0	0.67842	*
				-30.00000	-9.00000	99.75000	0.0	0.0	0.68445	*
				-29.00000	-9.00000	99.75000	0.0	0.0	0.67672	*
				-28.00000	-9.00000	99.75000	0.0	0.0	0.66109	*
				-27.00000	-9.00000	99.75000	0.0	0.0	0.64293	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-26.00000	-9.00000	99.75000	0.0	0.0	0.62590	*
				-25.00000	-9.00000	99.75000	0.0	0.0	0.61174	*
				-24.00000	-9.00000	99.75000	0.0	0.0	0.60031	*
				-23.00000	-9.00000	99.75000	0.0	0.0	0.58997	*
				-22.00000	-9.00000	99.75000	0.0	0.0	0.57820	*
				-21.00000	-9.00000	99.75000	0.0	0.0	0.56216	*
				-20.00000	-9.00000	99.75000	0.0	0.0	0.53892	*
				-19.00000	-9.00000	99.75000	0.0	0.0	0.50588	*
				-18.00000	-9.00000	99.75000	0.0	0.0	0.46139	*
				-17.00000	-9.00000	99.75000	0.0	0.0	0.40547	*
				-16.00000	-9.00000	99.75000	0.0	0.0	0.33992	*
				-15.00000	-9.00000	99.75000	0.0	0.0	0.26779	*
				-14.00000	-9.00000	99.75000	0.0	0.0	0.19242	*
				-13.00000	-9.00000	99.75000	0.0	0.0	0.11672	*
				-12.00000	-9.00000	99.75000	0.0	0.0	0.042950	*
				-11.00000	-9.00000	99.75000	0.0	0.0	-0.027072	*
				-10.00000	-9.00000	99.75000	0.0	0.0	-0.091447	*
				-9.00000	-9.00000	99.75000	0.0	0.0	-0.14793	*
				-8.00000	-9.00000	99.75000	0.0	0.0	-0.19415	*
				-7.00000	-9.00000	99.75000	0.0	0.0	-0.22837	*
				-6.00000	-9.00000	99.75000	0.0	0.0	-0.25012	*
				-5.00000	-9.00000	99.75000	0.0	0.0	-0.26040	*
				-4.00000	-9.00000	99.75000	0.0	0.0	-0.26122	*
				-3.00000	-9.00000	99.75000	0.0	0.0	-0.25500	*
				-2.00000	-9.00000	99.75000	0.0	0.0	-0.24404	*
				-1.00000	-9.00000	99.75000	0.0	0.0	-0.23021	*
				0.00000	-9.00000	99.75000	0.0	0.0	-0.21494	*
				1.00000	-9.00000	99.75000	0.0	0.0	0.0	
				2.00000	-9.00000	99.75000	0.0	0.0	0.0	
				3.00000	-9.00000	99.75000	0.0	0.0	0.0	
				4.00000	-9.00000	99.75000	0.0	0.0	0.0	
				5.00000	-9.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-8.00000	99.75000	0.0	0.0	0.27878	*
				-39.00000	-8.00000	99.75000	0.0	0.0	0.32292	*
				-38.00000	-8.00000	99.75000	0.0	0.0	0.37638	*
				-37.00000	-8.00000	99.75000	0.0	0.0	0.44088	*
				-36.00000	-8.00000	99.75000	0.0	0.0	0.51745	*
				-35.00000	-8.00000	99.75000	0.0	0.0	0.60497	*
				-34.00000	-8.00000	99.75000	0.0	0.0	0.69792	*
				-33.00000	-8.00000	99.75000	0.0	0.0	0.78472	*
				-32.00000	-8.00000	99.75000	0.0	0.0	0.85011	*
				-31.00000	-8.00000	99.75000	0.0	0.0	0.88311	*
				-30.00000	-8.00000	99.75000	0.0	0.0	0.88419	*
				-29.00000	-8.00000	99.75000	0.0	0.0	0.86342	*
				-28.00000	-8.00000	99.75000	0.0	0.0	0.83313	*
				-27.00000	-8.00000	99.75000	0.0	0.0	0.80282	*
				-26.00000	-8.00000	99.75000	0.0	0.0	0.77816	*
				-25.00000	-8.00000	99.75000	0.0	0.0	0.76144	*
				-24.00000	-8.00000	99.75000	0.0	0.0	0.75175	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-23.00000	-8.00000	99.75000	0.0	0.0	0.74569	*
				-22.00000	-8.00000	99.75000	0.0	0.0	0.73883	*
				-21.00000	-8.00000	99.75000	0.0	0.0	0.72688	*
				-20.00000	-8.00000	99.75000	0.0	0.0	0.70536	*
				-19.00000	-8.00000	99.75000	0.0	0.0	0.66942	*
				-18.00000	-8.00000	99.75000	0.0	0.0	0.61554	*
				-17.00000	-8.00000	99.75000	0.0	0.0	0.54342	*
				-16.00000	-8.00000	99.75000	0.0	0.0	0.45639	*
				-15.00000	-8.00000	99.75000	0.0	0.0	0.36007	*
				-14.00000	-8.00000	99.75000	0.0	0.0	0.26018	*
				-13.00000	-8.00000	99.75000	0.0	0.0	0.16092	*
				-12.00000	-8.00000	99.75000	0.0	0.0	0.064684	*
				-11.00000	-8.00000	99.75000	0.0	0.0	-0.027084	*
				-10.00000	-8.00000	99.75000	0.0	0.0	-0.11251	*
				-9.00000	-8.00000	99.75000	0.0	0.0	-0.18822	*
				-8.00000	-8.00000	99.75000	0.0	0.0	-0.24979	*
				-7.00000	-8.00000	99.75000	0.0	0.0	-0.29358	*
				-6.00000	-8.00000	99.75000	0.0	0.0	-0.31861	*
				-5.00000	-8.00000	99.75000	0.0	0.0	-0.32695	*
				-4.00000	-8.00000	99.75000	0.0	0.0	-0.32245	*
				-3.00000	-8.00000	99.75000	0.0	0.0	-0.30930	*
				-2.00000	-8.00000	99.75000	0.0	0.0	-0.29104	*
				-1.00000	-8.00000	99.75000	0.0	0.0	-0.27028	*
				0.00000	-8.00000	99.75000	0.0	0.0	-0.24878	*
				1.00000	-8.00000	99.75000	0.0	0.0	0.0	
				2.00000	-8.00000	99.75000	0.0	0.0	0.0	
				3.00000	-8.00000	99.75000	0.0	0.0	0.0	
				4.00000	-8.00000	99.75000	0.0	0.0	0.0	
				5.00000	-8.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-7.00000	99.75000	0.0	0.0	0.30299	*
				-39.00000	-7.00000	99.75000	0.0	0.0	0.35561	*
				-38.00000	-7.00000	99.75000	0.0	0.0	0.42175	*
				-37.00000	-7.00000	99.75000	0.0	0.0	0.50557	*
				-36.00000	-7.00000	99.75000	0.0	0.0	0.61160	*
				-35.00000	-7.00000	99.75000	0.0	0.0	0.74247	*
				-34.00000	-7.00000	99.75000	0.0	0.0	0.89349	*
				-33.00000	-7.00000	99.75000	0.0	0.0	1.0442	*
				-32.00000	-7.00000	99.75000	0.0	0.0	1.1577	*
				-31.00000	-7.00000	99.75000	0.0	0.0	1.2043	*
				-30.00000	-7.00000	99.75000	0.0	0.0	1.1879	*
				-29.00000	-7.00000	99.75000	0.0	0.0	1.1370	*
				-28.00000	-7.00000	99.75000	0.0	0.0	1.0781	*
				-27.00000	-7.00000	99.75000	0.0	0.0	1.0266	*
				-26.00000	-7.00000	99.75000	0.0	0.0	0.98989	*
				-25.00000	-7.00000	99.75000	0.0	0.0	0.97065	*
				-24.00000	-7.00000	99.75000	0.0	0.0	0.96642	*
				-23.00000	-7.00000	99.75000	0.0	0.0	0.96947	*
				-22.00000	-7.00000	99.75000	0.0	0.0	0.97135	*
				-21.00000	-7.00000	99.75000	0.0	0.0	0.96740	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-20.00000	-7.00000	99.75000	0.0	0.0	0.95214	*
				-19.00000	-7.00000	99.75000	0.0	0.0	0.91574	*
				-18.00000	-7.00000	99.75000	0.0	0.0	0.84978	*
				-17.00000	-7.00000	99.75000	0.0	0.0	0.75291	*
				-16.00000	-7.00000	99.75000	0.0	0.0	0.63191	*
				-15.00000	-7.00000	99.75000	0.0	0.0	0.49832	*
				-14.00000	-7.00000	99.75000	0.0	0.0	0.36272	*
				-13.00000	-7.00000	99.75000	0.0	0.0	0.23110	*
				-12.00000	-7.00000	99.75000	0.0	0.0	0.10498	*
				-11.00000	-7.00000	99.75000	0.0	0.0	-0.016506	*
				-10.00000	-7.00000	99.75000	0.0	0.0	-0.13308	*
				-9.00000	-7.00000	99.75000	0.0	0.0	-0.23959	*
				-8.00000	-7.00000	99.75000	0.0	0.0	-0.32649	*
				-7.00000	-7.00000	99.75000	0.0	0.0	-0.38518	*
				-6.00000	-7.00000	99.75000	0.0	0.0	-0.41348	*
				-5.00000	-7.00000	99.75000	0.0	0.0	-0.41627	*
				-4.00000	-7.00000	99.75000	0.0	0.0	-0.40162	*
				-3.00000	-7.00000	99.75000	0.0	0.0	-0.37696	*
				-2.00000	-7.00000	99.75000	0.0	0.0	-0.34766	*
				-1.00000	-7.00000	99.75000	0.0	0.0	-0.31714	*
				0.00000	-7.00000	99.75000	0.0	0.0	-0.28736	*
				1.00000	-7.00000	99.75000	0.0	0.0	0.0	
				2.00000	-7.00000	99.75000	0.0	0.0	0.0	
				3.00000	-7.00000	99.75000	0.0	0.0	0.0	
				4.00000	-7.00000	99.75000	0.0	0.0	0.0	
				5.00000	-7.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-6.00000	99.75000	0.0	0.0	0.32564	*
				-39.00000	-6.00000	99.75000	0.0	0.0	0.38678	*
				-38.00000	-6.00000	99.75000	0.0	0.0	0.46647	*
				-37.00000	-6.00000	99.75000	0.0	0.0	0.57286	*
				-36.00000	-6.00000	99.75000	0.0	0.0	0.71769	*
				-35.00000	-6.00000	99.75000	0.0	0.0	0.91558	*
				-34.00000	-6.00000	99.75000	0.0	0.0	1.1753	*
				-33.00000	-6.00000	99.75000	0.0	0.0	1.4701	*
				-32.00000	-6.00000	99.75000	0.0	0.0	1.7015	*
				-31.00000	-6.00000	99.75000	0.0	0.0	1.7657	*
				-30.00000	-6.00000	99.75000	0.0	0.0	1.6896	*
				-29.00000	-6.00000	99.75000	0.0	0.0	1.5680	*
				-28.00000	-6.00000	99.75000	0.0	0.0	1.4552	*
				-27.00000	-6.00000	99.75000	0.0	0.0	1.3680	*
				-26.00000	-6.00000	99.75000	0.0	0.0	1.3120	*
				-25.00000	-6.00000	99.75000	0.0	0.0	1.2910	*
				-24.00000	-6.00000	99.75000	0.0	0.0	1.3015	*
				-23.00000	-6.00000	99.75000	0.0	0.0	1.3228	*
				-22.00000	-6.00000	99.75000	0.0	0.0	1.3330	*
				-21.00000	-6.00000	99.75000	0.0	0.0	1.3377	*
				-20.00000	-6.00000	99.75000	0.0	0.0	1.3387	*
				-19.00000	-6.00000	99.75000	0.0	0.0	1.3096	*
				-18.00000	-6.00000	99.75000	0.0	0.0	1.2281	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-17.00000	-6.00000	99.75000	0.0	0.0	1.0897	*
				-16.00000	-6.00000	99.75000	0.0	0.0	0.90932	*
				-15.00000	-6.00000	99.75000	0.0	0.0	0.71389	*
				-14.00000	-6.00000	99.75000	0.0	0.0	0.52458	*
				-13.00000	-6.00000	99.75000	0.0	0.0	0.34909	*
				-12.00000	-6.00000	99.75000	0.0	0.0	0.18532	*
				-11.00000	-6.00000	99.75000	0.0	0.0	0.025266	*
				-10.00000	-6.00000	99.75000	0.0	0.0	-0.13931	*
				-9.00000	-6.00000	99.75000	0.0	0.0	-0.30092	*
				-8.00000	-6.00000	99.75000	0.0	0.0	-0.43584	*
				-7.00000	-6.00000	99.75000	0.0	0.0	-0.52073	*
				-6.00000	-6.00000	99.75000	0.0	0.0	-0.55031	*
				-5.00000	-6.00000	99.75000	0.0	0.0	-0.53888	*
				-4.00000	-6.00000	99.75000	0.0	0.0	-0.50473	*
				-3.00000	-6.00000	99.75000	0.0	0.0	-0.46101	*
				-2.00000	-6.00000	99.75000	0.0	0.0	-0.41523	*
				-1.00000	-6.00000	99.75000	0.0	0.0	-0.37121	*
				0.00000	-6.00000	99.75000	0.0	0.0	-0.33065	*
				1.00000	-6.00000	99.75000	0.0	0.0	0.0	
				2.00000	-6.00000	99.75000	0.0	0.0	0.0	
				3.00000	-6.00000	99.75000	0.0	0.0	0.0	
				4.00000	-6.00000	99.75000	0.0	0.0	0.0	
				5.00000	-6.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-5.00000	99.75000	0.0	0.0	0.34520	*
				-39.00000	-5.00000	99.75000	0.0	0.0	0.41378	*
				-38.00000	-5.00000	99.75000	0.0	0.0	0.50589	*
				-37.00000	-5.00000	99.75000	0.0	0.0	0.63478	*
				-36.00000	-5.00000	99.75000	0.0	0.0	0.82394	*
				-35.00000	-5.00000	99.75000	0.0	0.0	1.1156	*
				-34.00000	-5.00000	99.75000	0.0	0.0	1.5780	*
				-33.00000	-5.00000	99.75000	0.13584	0.11879	2.2564	*
				-32.00000	-5.00000	99.75000	0.0	0.70000	2.8900	*
				-31.00000	-5.00000	99.75000	0.0	0.70000	2.9411	*
				-30.00000	-5.00000	99.75000	0.0	0.70000	2.6350	*
				-29.00000	-5.00000	99.75000	0.0	0.70000	2.3502	*
				-28.00000	-5.00000	99.75000	0.0	0.70000	2.1449	*
				-27.00000	-5.00000	99.75000	0.0	0.70000	2.0022	*
				-26.00000	-5.00000	99.75000	0.0	0.70000	1.9119	*
				-25.00000	-5.00000	99.75000	0.0	0.70000	1.8861	*
				-24.00000	-5.00000	99.75000	0.0	0.70000	1.9367	*
				-23.00000	-5.00000	99.75000	0.0	0.70000	2.0042	*
				-22.00000	-5.00000	99.75000	-0.048922	0.64554	1.9703	*
				-21.00000	-5.00000	99.75000	-0.10071	0.078026	1.9440	*
				-20.00000	-5.00000	99.75000	0.0	0.0	1.9930	*
				-19.00000	-5.00000	99.75000	0.0	0.0	1.9953	*
				-18.00000	-5.00000	99.75000	0.0	0.0	1.8949	*
				-17.00000	-5.00000	99.75000	0.0	0.0	1.6782	*
				-16.00000	-5.00000	99.75000	0.0	0.0	1.3773	*
				-15.00000	-5.00000	99.75000	0.0	0.0	1.0687	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-14.00000	-5.00000	99.75000	0.0	0.0	0.79645	*
				-13.00000	-5.00000	99.75000	0.0	0.0	0.56351	*
				-12.00000	-5.00000	99.75000	0.16360	0.061351	0.35894	*
				-11.00000	-5.00000	99.75000	0.0	0.26250	0.16527	*
				-10.00000	-5.00000	99.75000	0.0	0.26250	-0.073406	*
				-9.00000	-5.00000	99.75000	0.0	0.30705	-0.35043	*
				-8.00000	-5.00000	99.75000	0.0	0.50458	-0.59797	*
				-7.00000	-5.00000	99.75000	-0.094119	0.19714	-0.73942	*
				-6.00000	-5.00000	99.75000	0.0	0.0	-0.75882	*
				-5.00000	-5.00000	99.75000	0.0	0.0	-0.71053	*
				-4.00000	-5.00000	99.75000	0.0	0.0	-0.63879	*
				-3.00000	-5.00000	99.75000	0.0	0.0	-0.56408	*
				-2.00000	-5.00000	99.75000	0.0	0.0	-0.49437	*
				-1.00000	-5.00000	99.75000	0.0	0.0	-0.43228	*
				0.00000	-5.00000	99.75000	0.0	0.0	-0.37814	*
				1.00000	-5.00000	99.75000	0.0	0.0	0.0	
				2.00000	-5.00000	99.75000	0.0	0.0	0.0	
				3.00000	-5.00000	99.75000	0.0	0.0	0.0	
				4.00000	-5.00000	99.75000	0.0	0.0	0.0	
				5.00000	-5.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-4.00000	99.75000	0.0	0.0	0.36028	*
				-39.00000	-4.00000	99.75000	0.0	0.0	0.43391	*
				-38.00000	-4.00000	99.75000	0.0	0.0	0.53447	*
				-37.00000	-4.00000	99.75000	0.0	0.0	0.67955	*
				-36.00000	-4.00000	99.75000	0.0	0.0	0.90501	*
				-35.00000	-4.00000	99.75000	0.0	0.0	1.2931	*
				-34.00000	-4.00000	99.75000	0.0	0.0	2.0653	*
				-33.00000	-4.00000	99.75000	0.60000	0.0	3.9362	*
				-32.00000	-4.00000	99.75000	1.8000	0.0	8.4282	*
				-31.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-4.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-4.00000	99.75000	-1.6667	0.60000	3.5610	*
				-21.00000	-4.00000	99.75000	-0.50000	0.60000	2.9495	*
				-20.00000	-4.00000	99.75000	0.0	0.60000	3.2334	*
				-19.00000	-4.00000	99.75000	0.0	0.60000	3.3119	*
				-18.00000	-4.00000	99.75000	0.0	0.60000	3.2018	*
				-17.00000	-4.00000	99.75000	0.0	0.60000	2.8244	*
				-16.00000	-4.00000	99.75000	0.0	0.60000	2.2049	*
				-15.00000	-4.00000	99.75000	0.0	0.60000	1.6648	*
				-14.00000	-4.00000	99.75000	0.0	0.60000	1.2674	*
				-13.00000	-4.00000	99.75000	0.0	0.60000	0.96487	*
				-12.00000	-4.00000	99.75000	0.70000	0.60000	0.72349	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-11.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-4.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-4.00000	99.75000	0.0	0.0	-0.63262	*
				-7.00000	-4.00000	99.75000	-0.44514	0.34622	-1.0819	*
				-6.00000	-4.00000	99.75000	-0.14130	0.10990	-1.0991	*
				-5.00000	-4.00000	99.75000	0.0	0.0	-0.95155	*
				-4.00000	-4.00000	99.75000	0.0	0.0	-0.80969	*
				-3.00000	-4.00000	99.75000	0.0	0.0	-0.68696	*
				-2.00000	-4.00000	99.75000	0.0	0.0	-0.58424	*
				-1.00000	-4.00000	99.75000	0.0	0.0	-0.49913	*
				0.00000	-4.00000	99.75000	0.0	0.0	-0.42865	*
				1.00000	-4.00000	99.75000	0.0	0.0	0.0	*
				2.00000	-4.00000	99.75000	0.0	0.0	0.0	*
				3.00000	-4.00000	99.75000	0.0	0.0	0.0	*
				4.00000	-4.00000	99.75000	0.0	0.0	0.0	*
				5.00000	-4.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	-3.00000	99.75000	0.0	0.0	0.37011	*
				-39.00000	-3.00000	99.75000	0.0	0.0	0.44548	*
				-38.00000	-3.00000	99.75000	0.0	0.0	0.54813	*
				-37.00000	-3.00000	99.75000	0.0	0.0	0.69640	*
				-36.00000	-3.00000	99.75000	0.0	0.0	0.92968	*
				-35.00000	-3.00000	99.75000	0.0	0.0	1.3477	*
				-34.00000	-3.00000	99.75000	0.0	0.0	2.2839	*
				-33.00000	-3.00000	99.75000	0.60000	0.0	6.2869	*
				-32.00000	-3.00000	99.75000	1.8000	0.0	11.900	*
				-31.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-3.00000	99.75000	-1.6667	1.8000	4.1582	*
				-21.00000	-3.00000	99.75000	-0.50000	1.8000	4.7626	*
				-20.00000	-3.00000	99.75000	0.0	1.8000	7.1328	*
				-19.00000	-3.00000	99.75000	0.0	1.8000	6.3656	*
				-18.00000	-3.00000	99.75000	0.0	1.8000	6.8642	*
				-17.00000	-3.00000	99.75000	0.0	1.8000	6.1865	*
				-16.00000	-3.00000	99.75000	0.0	1.8000	3.7895	*
				-15.00000	-3.00000	99.75000	0.0	1.8000	2.7708	*
				-14.00000	-3.00000	99.75000	0.0	1.8000	2.2169	*
				-13.00000	-3.00000	99.75000	0.0	1.8000	1.8463	*
				-12.00000	-3.00000	99.75000	0.70000	1.8000	1.5521	*
				-11.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-3.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-3.00000	99.75000	Point lies within an excavation.			*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-8.00000	-3.00000	99.75000	0.0	0.0	-2.4558	*
				-7.00000	-3.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	-3.00000	99.75000	-0.34706	0.26993	-1.6499	*
				-5.00000	-3.00000	99.75000	-0.089381	0.069518	-1.2763	*
				-4.00000	-3.00000	99.75000	0.0	0.0	-1.0171	*
				-3.00000	-3.00000	99.75000	0.0	0.0	-0.82639	*
				-2.00000	-3.00000	99.75000	0.0	0.0	-0.68159	*
				-1.00000	-3.00000	99.75000	0.0	0.0	-0.56912	*
				0.00000	-3.00000	99.75000	0.0	0.0	-0.48018	*
				1.00000	-3.00000	99.75000	0.0	0.0	0.0	
				2.00000	-3.00000	99.75000	0.0	0.0	0.0	
				3.00000	-3.00000	99.75000	0.0	0.0	0.0	
				4.00000	-3.00000	99.75000	0.0	0.0	0.0	
				5.00000	-3.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-2.00000	99.75000	0.0	0.0	0.37491	*
				-39.00000	-2.00000	99.75000	0.0	0.0	0.44883	*
				-38.00000	-2.00000	99.75000	0.0	0.0	0.54704	*
				-37.00000	-2.00000	99.75000	0.0	0.0	0.68391	*
				-36.00000	-2.00000	99.75000	0.0	0.0	0.88857	*
				-35.00000	-2.00000	99.75000	0.0	0.0	1.2280	*
				-34.00000	-2.00000	99.75000	0.0	0.0	1.8831	*
				-33.00000	-2.00000	99.75000	0.60000	0.0	3.4149	*
				-32.00000	-2.00000	99.75000	1.8000	0.0	5.6478	*
				-31.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	-2.00000	99.75000	0.0	0.0	-4.0274	*
				-7.00000	-2.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	-2.00000	99.75000	Point lies	within an	excavation.	*



9 Lyndhurst Terrace, London
Ground Movement Assessment
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Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-5.00000	-2.00000	99.75000	-0.27111	0.21086	-1.6762	*
				-4.00000	-2.00000	99.75000	-0.025285	0.010882	-1.2482	*
				-3.00000	-2.00000	99.75000	0.0	0.0	-0.97304	*
				-2.00000	-2.00000	99.75000	0.0	0.0	-0.78023	*
				-1.00000	-2.00000	99.75000	0.0	0.0	-0.63816	*
				0.00000	-2.00000	99.75000	0.0	0.0	-0.52997	*
				1.00000	-2.00000	99.75000	0.0	0.0	0.0	
				2.00000	-2.00000	99.75000	0.0	0.0	0.0	
				3.00000	-2.00000	99.75000	0.0	0.0	0.0	
				4.00000	-2.00000	99.75000	0.0	0.0	0.0	
				5.00000	-2.00000	99.75000	0.0	0.0	0.0	
				-40.00000	-1.00000	99.75000	0.0	0.0	0.37590	*
				-39.00000	-1.00000	99.75000	0.0	0.0	0.44646	*
				-38.00000	-1.00000	99.75000	0.0	0.0	0.53644	*
				-37.00000	-1.00000	99.75000	0.0	0.0	0.65374	*
				-36.00000	-1.00000	99.75000	0.0	0.0	0.81083	*
				-35.00000	-1.00000	99.75000	0.0	0.0	1.0266	*
				-34.00000	-1.00000	99.75000	0.0	0.0	1.3176	*
				-33.00000	-1.00000	99.75000	0.60000	0.0	1.6016	*
				-32.00000	-1.00000	99.75000	1.8000	0.0	1.3253	*
				-31.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-30.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-29.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-28.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-27.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-26.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-25.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-24.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-23.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-22.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-21.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-20.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-19.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-18.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-17.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-16.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-15.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-14.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-13.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-12.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-11.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-10.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-9.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-8.00000	-1.00000	99.75000	0.0	0.0	-4.9431	*
				-7.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-6.00000	-1.00000	99.75000	Point lies within an excavation.			*
				-5.00000	-1.00000	99.75000	-0.53121	0.027959	-2.0976	*
				-4.00000	-1.00000	99.75000	-0.083494	0.0043944	-1.4739	*
				-3.00000	-1.00000	99.75000	0.0	0.0	-1.1116	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-2.00000	-1.00000	99.75000	0.0	0.0	-0.87157	*
				-1.00000	-1.00000	99.75000	0.0	0.0	-0.70108	*
				0.00000	-1.00000	99.75000	0.0	0.0	-0.57473	*
				1.00000	-1.00000	99.75000	0.0	0.0	0.0	
				2.00000	-1.00000	99.75000	0.0	0.0	0.0	
				3.00000	-1.00000	99.75000	0.0	0.0	0.0	
				4.00000	-1.00000	99.75000	0.0	0.0	0.0	
				5.00000	-1.00000	99.75000	0.0	0.0	0.0	
				-40.00000	0.00000	99.75000	0.0	0.0	0.37484	*
				-39.00000	0.00000	99.75000	0.0	0.0	0.44205	*
				-38.00000	0.00000	99.75000	0.0	0.0	0.52434	*
				-37.00000	0.00000	99.75000	0.0	0.0	0.62409	*
				-36.00000	0.00000	99.75000	0.0	0.0	0.74101	*
				-35.00000	0.00000	99.75000	0.0	0.0	0.86485	*
				-34.00000	0.00000	99.75000	0.0	0.0	0.95394	*
				-33.00000	0.00000	99.75000	0.60000	0.0	0.87625	*
				-32.00000	0.00000	99.75000	1.8000	0.0	0.29590	*
				-31.00000	0.00000	99.75000	Point lies within an excavation.			*
				-30.00000	0.00000	99.75000	Point lies within an excavation.			*
				-29.00000	0.00000	99.75000	Point lies within an excavation.			*
				-28.00000	0.00000	99.75000	Point lies within an excavation.			*
				-27.00000	0.00000	99.75000	Point lies within an excavation.			*
				-26.00000	0.00000	99.75000	Point lies within an excavation.			*
				-25.00000	0.00000	99.75000	Point lies within an excavation.			*
				-24.00000	0.00000	99.75000	Point lies within an excavation.			*
				-23.00000	0.00000	99.75000	Point lies within an excavation.			*
				-22.00000	0.00000	99.75000	Point lies within an excavation.			*
				-21.00000	0.00000	99.75000	Point lies within an excavation.			*
				-20.00000	0.00000	99.75000	Point lies within an excavation.			*
				-19.00000	0.00000	99.75000	Point lies within an excavation.			*
				-18.00000	0.00000	99.75000	Point lies within an excavation.			*
				-17.00000	0.00000	99.75000	Point lies within an excavation.			*
				-16.00000	0.00000	99.75000	Point lies within an excavation.			*
				-15.00000	0.00000	99.75000	Point lies within an excavation.			*
				-14.00000	0.00000	99.75000	Point lies within an excavation.			*
				-13.00000	0.00000	99.75000	Point lies within an excavation.			*
				-12.00000	0.00000	99.75000	Point lies within an excavation.			*
				-11.00000	0.00000	99.75000	Point lies within an excavation.			*
				-10.00000	0.00000	99.75000	Point lies within an excavation.			*
				-9.00000	0.00000	99.75000	Point lies within an excavation.			*
				-8.00000	0.00000	99.75000	0.0	0.0	-5.5604	*
				-7.00000	0.00000	99.75000	Point lies within an excavation.			*
				-6.00000	0.00000	99.75000	Point lies within an excavation.			*
				-5.00000	0.00000	99.75000	-0.56839	0.029915	-2.3964	*
				-4.00000	0.00000	99.75000	-0.10318	0.0054303	-1.6544	*
				-3.00000	0.00000	99.75000	0.0	0.0	-1.2249	*
				-2.00000	0.00000	99.75000	0.0	0.0	-0.94648	*
				-1.00000	0.00000	99.75000	0.0	0.0	-0.75253	*
				0.00000	0.00000	99.75000	0.0	0.0	-0.61116	*



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 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				1.00000	0.00000	99.75000	0.0	0.0	0.0
				2.00000	0.00000	99.75000	0.0	0.0	0.0
				3.00000	0.00000	99.75000	0.0	0.0	0.0
				4.00000	0.00000	99.75000	0.0	0.0	0.0
				5.00000	0.00000	99.75000	0.0	0.0	0.0
				-40.00000	1.00000	99.75000	0.0	0.0	0.37325
				-39.00000	1.00000	99.75000	0.0	0.0	0.43883
				-38.00000	1.00000	99.75000	0.0	0.0	0.51762
				-37.00000	1.00000	99.75000	0.0	0.0	0.60980
				-36.00000	1.00000	99.75000	0.0	0.0	0.71034
				-35.00000	1.00000	99.75000	0.0	0.0	0.80008
				-34.00000	1.00000	99.75000	0.0	0.0	0.82597
				-33.00000	1.00000	99.75000	0.60000	0.0	0.66004
				-32.00000	1.00000	99.75000	1.8000	0.0	0.013842
				-31.00000	1.00000	99.75000	Point lies within an excavation.		*
				-30.00000	1.00000	99.75000	Point lies within an excavation.		*
				-29.00000	1.00000	99.75000	Point lies within an excavation.		*
				-28.00000	1.00000	99.75000	Point lies within an excavation.		*
				-27.00000	1.00000	99.75000	Point lies within an excavation.		*
				-26.00000	1.00000	99.75000	Point lies within an excavation.		*
				-25.00000	1.00000	99.75000	Point lies within an excavation.		*
				-24.00000	1.00000	99.75000	Point lies within an excavation.		*
				-23.00000	1.00000	99.75000	Point lies within an excavation.		*
				-22.00000	1.00000	99.75000	Point lies within an excavation.		*
				-21.00000	1.00000	99.75000	Point lies within an excavation.		*
				-20.00000	1.00000	99.75000	Point lies within an excavation.		*
				-19.00000	1.00000	99.75000	Point lies within an excavation.		*
				-18.00000	1.00000	99.75000	Point lies within an excavation.		*
				-17.00000	1.00000	99.75000	Point lies within an excavation.		*
				-16.00000	1.00000	99.75000	Point lies within an excavation.		*
				-15.00000	1.00000	99.75000	Point lies within an excavation.		*
				-14.00000	1.00000	99.75000	Point lies within an excavation.		*
				-13.00000	1.00000	99.75000	Point lies within an excavation.		*
				-12.00000	1.00000	99.75000	Point lies within an excavation.		*
				-11.00000	1.00000	99.75000	Point lies within an excavation.		*
				-10.00000	1.00000	99.75000	Point lies within an excavation.		*
				-9.00000	1.00000	99.75000	Point lies within an excavation.		*
				-8.00000	1.00000	99.75000	0.0	0.0	-5.9663
				-7.00000	1.00000	99.75000	Point lies within an excavation.		*
				-6.00000	1.00000	99.75000	Point lies within an excavation.		*
				-5.00000	1.00000	99.75000	-0.60557	0.031872	-2.5503
				-4.00000	1.00000	99.75000	-0.12286	0.0064662	-1.7669
				-3.00000	1.00000	99.75000	0.0	0.0	-1.3003
				-2.00000	1.00000	99.75000	0.0	0.0	-0.99768
				-1.00000	1.00000	99.75000	0.0	0.0	-0.78804
				0.00000	1.00000	99.75000	0.0	0.0	-0.63643
				1.00000	1.00000	99.75000	0.0	0.0	0.0
				2.00000	1.00000	99.75000	0.0	0.0	0.0
				3.00000	1.00000	99.75000	0.0	0.0	0.0



9 Lyndhurst Terrace, London
Ground Movement Assessment
Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				4.00000	1.00000	99.75000	0.0	0.0	0.0	
				5.00000	1.00000	99.75000	0.0	0.0	0.0	
				-40.00000	2.00000	99.75000	0.0	0.0	0.37180	*
				-39.00000	2.00000	99.75000	0.0	0.0	0.43818	*
				-38.00000	2.00000	99.75000	0.0	0.0	0.51915	*
				-37.00000	2.00000	99.75000	0.0	0.0	0.61669	*
				-36.00000	2.00000	99.75000	0.0	0.0	0.72954	*
				-35.00000	2.00000	99.75000	0.0	0.0	0.84569	*
				-34.00000	2.00000	99.75000	0.0	0.0	0.92087	*
				-33.00000	2.00000	99.75000	0.60000	0.0	0.82309	*
				-32.00000	2.00000	99.75000	1.8000	0.0	0.22576	*
				-31.00000	2.00000	99.75000	Point lies within an excavation.			*
				-30.00000	2.00000	99.75000	Point lies within an excavation.			*
				-29.00000	2.00000	99.75000	Point lies within an excavation.			*
				-28.00000	2.00000	99.75000	Point lies within an excavation.			*
				-27.00000	2.00000	99.75000	Point lies within an excavation.			*
				-26.00000	2.00000	99.75000	Point lies within an excavation.			*
				-25.00000	2.00000	99.75000	Point lies within an excavation.			*
				-24.00000	2.00000	99.75000	Point lies within an excavation.			*
				-23.00000	2.00000	99.75000	Point lies within an excavation.			*
				-22.00000	2.00000	99.75000	Point lies within an excavation.			*
				-21.00000	2.00000	99.75000	Point lies within an excavation.			*
				-20.00000	2.00000	99.75000	Point lies within an excavation.			*
				-19.00000	2.00000	99.75000	Point lies within an excavation.			*
				-18.00000	2.00000	99.75000	Point lies within an excavation.			*
				-17.00000	2.00000	99.75000	Point lies within an excavation.			*
				-16.00000	2.00000	99.75000	Point lies within an excavation.			*
				-15.00000	2.00000	99.75000	Point lies within an excavation.			*
				-14.00000	2.00000	99.75000	Point lies within an excavation.			*
				-13.00000	2.00000	99.75000	Point lies within an excavation.			*
				-12.00000	2.00000	99.75000	Point lies within an excavation.			*
				-11.00000	2.00000	99.75000	Point lies within an excavation.			*
				-10.00000	2.00000	99.75000	Point lies within an excavation.			*
				-9.00000	2.00000	99.75000	Point lies within an excavation.			*
				-8.00000	2.00000	99.75000	0.0	0.0	-6.2180	*
				-7.00000	2.00000	99.75000	Point lies within an excavation.			*
				-6.00000	2.00000	99.75000	Point lies within an excavation.			*
				-5.00000	2.00000	99.75000	-0.64275	0.033829	-2.4872	*
				-4.00000	2.00000	99.75000	-0.14254	0.0075022	-1.8070	*
				-3.00000	2.00000	99.75000	0.0	0.0	-1.3329	*
				-2.00000	2.00000	99.75000	0.0	0.0	-1.0209	*
				-1.00000	2.00000	99.75000	0.0	0.0	-0.80468	*
				0.00000	2.00000	99.75000	0.0	0.0	-0.64860	*
				1.00000	2.00000	99.75000	0.0	0.0	0.0	
				2.00000	2.00000	99.75000	0.0	0.0	0.0	
				3.00000	2.00000	99.75000	0.0	0.0	0.0	
				4.00000	2.00000	99.75000	0.0	0.0	0.0	
				5.00000	2.00000	99.75000	0.0	0.0	0.0	
				-40.00000	3.00000	99.75000	0.0	0.0	0.37000	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-39.00000	3.00000	99.75000	0.0	0.0	0.43904	*
				-38.00000	3.00000	99.75000	0.0	0.0	0.52670	*
				-37.00000	3.00000	99.75000	0.0	0.0	0.64015	*
				-36.00000	3.00000	99.75000	0.0	0.0	0.79012	*
				-35.00000	3.00000	99.75000	0.0	0.0	0.99135	*
				-34.00000	3.00000	99.75000	0.0	0.0	1.2503	*
				-33.00000	3.00000	99.75000	0.60000	0.0	1.4698	*
				-32.00000	3.00000	99.75000	1.8000	0.0	1.1309	*
				-31.00000	3.00000	99.75000	Point lies within an excavation.			*
				-30.00000	3.00000	99.75000	Point lies within an excavation.			*
				-29.00000	3.00000	99.75000	Point lies within an excavation.			*
				-28.00000	3.00000	99.75000	Point lies within an excavation.			*
				-27.00000	3.00000	99.75000	Point lies within an excavation.			*
				-26.00000	3.00000	99.75000	Point lies within an excavation.			*
				-25.00000	3.00000	99.75000	Point lies within an excavation.			*
				-24.00000	3.00000	99.75000	Point lies within an excavation.			*
				-23.00000	3.00000	99.75000	Point lies within an excavation.			*
				-22.00000	3.00000	99.75000	Point lies within an excavation.			*
				-21.00000	3.00000	99.75000	Point lies within an excavation.			*
				-20.00000	3.00000	99.75000	Point lies within an excavation.			*
				-19.00000	3.00000	99.75000	Point lies within an excavation.			*
				-18.00000	3.00000	99.75000	Point lies within an excavation.			*
				-17.00000	3.00000	99.75000	Point lies within an excavation.			*
				-16.00000	3.00000	99.75000	Point lies within an excavation.			*
				-15.00000	3.00000	99.75000	Point lies within an excavation.			*
				-14.00000	3.00000	99.75000	Point lies within an excavation.			*
				-13.00000	3.00000	99.75000	Point lies within an excavation.			*
				-12.00000	3.00000	99.75000	Point lies within an excavation.			*
				-11.00000	3.00000	99.75000	Point lies within an excavation.			*
				-10.00000	3.00000	99.75000	Point lies within an excavation.			*
				-9.00000	3.00000	99.75000	Point lies within an excavation.			*
				-8.00000	3.00000	99.75000	0.0	0.0	-6.3847	*
				-7.00000	3.00000	99.75000	Point lies within an excavation.			*
				-6.00000	3.00000	99.75000	Point lies within an excavation.			*
				-5.00000	3.00000	99.75000	-0.67993	0.035786	-2.4258	*
				-4.00000	3.00000	99.75000	-0.16222	0.0085381	-1.7933	*
				-3.00000	3.00000	99.75000	0.0	0.0	-1.3230	*
				-2.00000	3.00000	99.75000	0.0	0.0	-1.0147	*
				-1.00000	3.00000	99.75000	0.0	0.0	-0.80120	*
				0.00000	3.00000	99.75000	0.0	0.0	-0.64683	*
				1.00000	3.00000	99.75000	0.0	0.0	0.0	
				2.00000	3.00000	99.75000	0.0	0.0	0.0	
				3.00000	3.00000	99.75000	0.0	0.0	0.0	
				4.00000	3.00000	99.75000	0.0	0.0	0.0	
				5.00000	3.00000	99.75000	0.0	0.0	0.0	
				-40.00000	4.00000	99.75000	0.0	0.0	0.36647	*
				-39.00000	4.00000	99.75000	0.0	0.0	0.43843	*
				-38.00000	4.00000	99.75000	0.0	0.0	0.53380	*
				-37.00000	4.00000	99.75000	0.0	0.0	0.66624	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-36.00000	4.00000	99.75000	0.0	0.0	0.86308	*
				-35.00000	4.00000	99.75000	0.0	0.0	1.1861	*
				-34.00000	4.00000	99.75000	0.0	0.0	1.7946	*
				-33.00000	4.00000	99.75000	0.60000	0.0	3.1146	*
				-32.00000	4.00000	99.75000	1.8000	0.0	4.4334	*
				-31.00000	4.00000	99.75000	Point lies within an excavation.			*
				-30.00000	4.00000	99.75000	Point lies within an excavation.			*
				-29.00000	4.00000	99.75000	Point lies within an excavation.			*
				-28.00000	4.00000	99.75000	Point lies within an excavation.			*
				-27.00000	4.00000	99.75000	Point lies within an excavation.			*
				-26.00000	4.00000	99.75000	Point lies within an excavation.			*
				-25.00000	4.00000	99.75000	Point lies within an excavation.			*
				-24.00000	4.00000	99.75000	Point lies within an excavation.			*
				-23.00000	4.00000	99.75000	Point lies within an excavation.			*
				-22.00000	4.00000	99.75000	Point lies within an excavation.			*
				-21.00000	4.00000	99.75000	Point lies within an excavation.			*
				-20.00000	4.00000	99.75000	Point lies within an excavation.			*
				-19.00000	4.00000	99.75000	Point lies within an excavation.			*
				-18.00000	4.00000	99.75000	Point lies within an excavation.			*
				-17.00000	4.00000	99.75000	Point lies within an excavation.			*
				-16.00000	4.00000	99.75000	Point lies within an excavation.			*
				-15.00000	4.00000	99.75000	Point lies within an excavation.			*
				-14.00000	4.00000	99.75000	Point lies within an excavation.			*
				-13.00000	4.00000	99.75000	Point lies within an excavation.			*
				-12.00000	4.00000	99.75000	Point lies within an excavation.			*
				-11.00000	4.00000	99.75000	Point lies within an excavation.			*
				-10.00000	4.00000	99.75000	Point lies within an excavation.			*
				-9.00000	4.00000	99.75000	Point lies within an excavation.			*
				-8.00000	4.00000	99.75000	Point lies within an excavation.			*
				-7.00000	4.00000	99.75000	Point lies within an excavation.			*
				-6.00000	4.00000	99.75000	Point lies within an excavation.			*
				-5.00000	4.00000	99.75000	-0.71710	0.037742	-2.5577	*
				-4.00000	4.00000	99.75000	-0.18191	0.0095740	-1.7231	*
				-3.00000	4.00000	99.75000	0.0	0.0	-1.2692	*
				-2.00000	4.00000	99.75000	0.0	0.0	-0.97929	*
				-1.00000	4.00000	99.75000	0.0	0.0	-0.77803	*
				0.00000	4.00000	99.75000	0.0	0.0	-0.63147	*
				1.00000	4.00000	99.75000	0.0	0.0	0.0	
				2.00000	4.00000	99.75000	0.0	0.0	0.0	
				3.00000	4.00000	99.75000	0.0	0.0	0.0	
				4.00000	4.00000	99.75000	0.0	0.0	0.0	
				5.00000	4.00000	99.75000	0.0	0.0	0.0	
				-40.00000	5.00000	99.75000	0.0	0.0	0.35950	*
				-39.00000	5.00000	99.75000	0.0	0.0	0.43270	*
				-38.00000	5.00000	99.75000	0.0	0.0	0.53249	*
				-37.00000	5.00000	99.75000	0.0	0.0	0.67682	*
				-36.00000	5.00000	99.75000	0.0	0.0	0.90444	*
				-35.00000	5.00000	99.75000	0.0	0.0	1.3136	*
				-34.00000	5.00000	99.75000	0.0	0.0	2.2330	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-33.00000	5.00000	99.75000	0.60000	0.0	6.1823	*
				-32.00000	5.00000	99.75000	1.8000	0.0	11.549	*
				-31.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-30.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-29.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-28.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-27.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-26.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-25.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-24.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-23.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-22.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-21.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-20.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-19.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-18.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-17.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-16.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-15.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-14.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-13.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-12.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-11.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-10.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-9.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-8.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-7.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-6.00000	5.00000	99.75000	Point lies	within an	excavation.	*
				-5.00000	5.00000	99.75000	-0.75428	0.039699	-2.1802	*
				-4.00000	5.00000	99.75000	-0.20159	0.010610	-1.5566	*
				-3.00000	5.00000	99.75000	0.0	0.0	-1.1709	*
				-2.00000	5.00000	99.75000	0.0	0.0	-0.91742	*
				-1.00000	5.00000	99.75000	0.0	0.0	-0.73750	*
				0.00000	5.00000	99.75000	0.0	0.0	-0.60407	*
				1.00000	5.00000	99.75000	0.0	0.0	0.0	
				2.00000	5.00000	99.75000	0.0	0.0	0.0	
				3.00000	5.00000	99.75000	0.0	0.0	0.0	
				4.00000	5.00000	99.75000	0.0	0.0	0.0	
				5.00000	5.00000	99.75000	0.0	0.0	0.0	
				-40.00000	6.00000	99.75000	0.0	0.0	0.34784	*
				-39.00000	6.00000	99.75000	0.0	0.0	0.41924	*
				-38.00000	6.00000	99.75000	0.0	0.0	0.51716	*
				-37.00000	6.00000	99.75000	0.0	0.0	0.65926	*
				-36.00000	6.00000	99.75000	0.0	0.0	0.88208	*
				-35.00000	6.00000	99.75000	0.0	0.0	1.2710	*
				-34.00000	6.00000	99.75000	0.0	0.0	2.0658	*
				-33.00000	6.00000	99.75000	0.60000	0.0	4.1332	*
				-32.00000	6.00000	99.75000	1.8000	0.0	10.351	*
				-31.00000	6.00000	99.75000	Point lies	within an	excavation.	*



9 Lyndhurst Terrace, London
Ground Movement Assessment
Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-30.00000	6.00000	99.75000	Point lies within an excavation.			*
				-29.00000	6.00000	99.75000	Point lies within an excavation.			*
				-28.00000	6.00000	99.75000	Point lies within an excavation.			*
				-27.00000	6.00000	99.75000	Point lies within an excavation.			*
				-26.00000	6.00000	99.75000	Point lies within an excavation.			*
				-25.00000	6.00000	99.75000	Point lies within an excavation.			*
				-24.00000	6.00000	99.75000	Point lies within an excavation.			*
				-23.00000	6.00000	99.75000	Point lies within an excavation.			*
				-22.00000	6.00000	99.75000	Point lies within an excavation.			*
				-21.00000	6.00000	99.75000	Point lies within an excavation.			*
				-20.00000	6.00000	99.75000	Point lies within an excavation.			*
				-19.00000	6.00000	99.75000	Point lies within an excavation.			*
				-18.00000	6.00000	99.75000	Point lies within an excavation.			*
				-17.00000	6.00000	99.75000	Point lies within an excavation.			*
				-16.00000	6.00000	99.75000	Point lies within an excavation.			*
				-15.00000	6.00000	99.75000	Point lies within an excavation.			*
				-14.00000	6.00000	99.75000	Point lies within an excavation.			*
				-13.00000	6.00000	99.75000	Point lies within an excavation.			*
				-12.00000	6.00000	99.75000	Point lies within an excavation.			*
				-11.00000	6.00000	99.75000	Point lies within an excavation.			*
				-10.00000	6.00000	99.75000	Point lies within an excavation.			*
				-9.00000	6.00000	99.75000	Point lies within an excavation.			*
				-8.00000	6.00000	99.75000	Point lies within an excavation.			*
				-7.00000	6.00000	99.75000	Point lies within an excavation.			*
				-6.00000	6.00000	99.75000	Point lies within an excavation.			*
				-5.00000	6.00000	99.75000	-0.79146	0.041656	-1.4644	*
				-4.00000	6.00000	99.75000	-0.22127	0.011646	-1.3287	*
				-3.00000	6.00000	99.75000	0.0	0.0	-1.0419	*
				-2.00000	6.00000	99.75000	0.0	0.0	-0.83656	*
				-1.00000	6.00000	99.75000	0.0	0.0	-0.68396	*
				0.00000	6.00000	99.75000	0.0	0.0	-0.56729	*
				1.00000	6.00000	99.75000	0.0	0.0	0.0	*
				2.00000	6.00000	99.75000	0.0	0.0	0.0	*
				3.00000	6.00000	99.75000	0.0	0.0	0.0	*
				4.00000	6.00000	99.75000	0.0	0.0	0.0	*
				5.00000	6.00000	99.75000	0.0	0.0	0.0	*
				-40.00000	7.00000	99.75000	0.0	0.0	0.33119	*
				-39.00000	7.00000	99.75000	0.0	0.0	0.39753	*
				-38.00000	7.00000	99.75000	0.0	0.0	0.48719	*
				-37.00000	7.00000	99.75000	0.0	0.0	0.61372	*
				-36.00000	7.00000	99.75000	0.0	0.0	0.80170	*
				-35.00000	7.00000	99.75000	0.0	0.0	1.0967	*
				-34.00000	7.00000	99.75000	0.0	0.0	1.5772	*
				-33.00000	7.00000	99.75000	0.18219	-0.13719	2.3107	*
				-32.00000	7.00000	99.75000	0.0	-0.80000	3.0156	*
				-31.00000	7.00000	99.75000	0.0	-0.80000	3.0353	*
				-30.00000	7.00000	99.75000	0.0	-0.80000	2.6543	*
				-29.00000	7.00000	99.75000	0.0	-0.80000	2.3065	*
				-28.00000	7.00000	99.75000	0.0	-0.80000	2.0349	*



9 Lyndhurst Terrace, London
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Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-27.00000	7.00000	99.75000	0.0	-0.80000	1.8052	*
				-26.00000	7.00000	99.75000	0.0	-0.80000	1.5895	*
				-25.00000	7.00000	99.75000	0.0	-0.80000	1.4026	*
				-24.00000	7.00000	99.75000	0.0	-0.80000	1.3016	*
				-23.00000	7.00000	99.75000	0.0	-0.80000	1.3007	*
				-22.00000	7.00000	99.75000	0.0	-0.80000	1.4018	*
				-21.00000	7.00000	99.75000	0.0	-0.80000	1.5916	*
				-20.00000	7.00000	99.75000	0.0	-0.80000	1.7448	*
				-19.00000	7.00000	99.75000	0.0	-0.86630	1.6244	*
				-18.00000	7.00000	99.75000	0.0	-0.95445	1.2610	*
				-17.00000	7.00000	99.75000	0.0	-0.35906	0.71602	*
				-16.00000	7.00000	99.75000	0.0	-0.30000	0.089342	*
				-15.00000	7.00000	99.75000	0.0	-0.30000	-0.43574	*
				-14.00000	7.00000	99.75000	0.0	-0.30000	-0.83435	*
				-13.00000	7.00000	99.75000	0.0	-0.30000	-1.1508	*
				-12.00000	7.00000	99.75000	0.0	-0.30000	-1.4487	*
				-11.00000	7.00000	99.75000	0.0	-0.30000	-1.7870	*
				-10.00000	7.00000	99.75000	0.0	-0.30000	-2.0302	*
				-9.00000	7.00000	99.75000	0.0	-0.30000	-2.0942	*
				-8.00000	7.00000	99.75000	0.0	-0.30000	-2.0342	*
				-7.00000	7.00000	99.75000	0.0	-0.30000	-1.8754	*
				-6.00000	7.00000	99.75000	0.0	-0.30000	-1.6365	*
				-5.00000	7.00000	99.75000	0.0	-0.30000	-1.3578	*
				-4.00000	7.00000	99.75000	-0.066016	-0.050184	-1.1059	*
				-3.00000	7.00000	99.75000	0.0	0.0	-0.90470	*
				-2.00000	7.00000	99.75000	0.0	0.0	-0.74699	*
				-1.00000	7.00000	99.75000	0.0	0.0	-0.62293	*
				0.00000	7.00000	99.75000	0.0	0.0	-0.52438	*
				1.00000	7.00000	99.75000	0.0	0.0	0.0	
				2.00000	7.00000	99.75000	0.0	0.0	0.0	
				3.00000	7.00000	99.75000	0.0	0.0	0.0	
				4.00000	7.00000	99.75000	0.0	0.0	0.0	
				5.00000	7.00000	99.75000	0.0	0.0	0.0	
				-40.00000	8.00000	99.75000	0.0	0.0	0.31025	*
				-39.00000	8.00000	99.75000	0.0	0.0	0.36911	*
				-38.00000	8.00000	99.75000	0.0	0.0	0.44637	*
				-37.00000	8.00000	99.75000	0.0	0.0	0.55043	*
				-36.00000	8.00000	99.75000	0.0	0.0	0.69381	*
				-35.00000	8.00000	99.75000	0.0	0.0	0.89273	*
				-34.00000	8.00000	99.75000	0.0	0.0	1.1585	*
				-33.00000	8.00000	99.75000	0.0	0.0	1.4647	*
				-32.00000	8.00000	99.75000	0.0	0.0	1.7014	*
				-31.00000	8.00000	99.75000	0.0	0.0	1.7476	*
				-30.00000	8.00000	99.75000	0.0	0.0	1.6345	*
				-29.00000	8.00000	99.75000	0.0	0.0	1.4679	*
				-28.00000	8.00000	99.75000	0.0	0.0	1.3023	*
				-27.00000	8.00000	99.75000	0.0	0.0	1.1504	*
				-26.00000	8.00000	99.75000	0.0	0.0	1.0153	*
				-25.00000	8.00000	99.75000	0.0	0.0	0.90614	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-24.00000	8.00000	99.75000	0.0	0.0	0.83669	*
				-23.00000	8.00000	99.75000	0.0	0.0	0.81369	*
				-22.00000	8.00000	99.75000	0.0	0.0	0.83168	*
				-21.00000	8.00000	99.75000	0.0	0.0	0.86577	*
				-20.00000	8.00000	99.75000	0.0	0.0	0.86080	*
				-19.00000	8.00000	99.75000	0.0	0.0	0.75644	*
				-18.00000	8.00000	99.75000	0.0	0.0	0.53978	*
				-17.00000	8.00000	99.75000	0.0	0.0	0.23597	*
				-16.00000	8.00000	99.75000	0.0	0.0	-0.10588	*
				-15.00000	8.00000	99.75000	0.0	0.0	-0.42889	*
				-14.00000	8.00000	99.75000	0.0	0.0	-0.70592	*
				-13.00000	8.00000	99.75000	0.0	0.0	-0.93939	*
				-12.00000	8.00000	99.75000	0.0	0.0	-1.1428	*
				-11.00000	8.00000	99.75000	0.0	0.0	-1.3186	*
				-10.00000	8.00000	99.75000	0.0	0.0	-1.4398	*
				-9.00000	8.00000	99.75000	0.0	0.0	-1.4838	*
				-8.00000	8.00000	99.75000	0.0	0.0	-1.4546	*
				-7.00000	8.00000	99.75000	0.0	0.0	-1.3644	*
				-6.00000	8.00000	99.75000	0.0	0.0	-1.2291	*
				-5.00000	8.00000	99.75000	0.0	0.0	-1.0710	*
				-4.00000	8.00000	99.75000	0.0	0.0	-0.91469	*
				-3.00000	8.00000	99.75000	0.0	0.0	-0.77561	*
				-2.00000	8.00000	99.75000	0.0	0.0	-0.65772	*
				-1.00000	8.00000	99.75000	0.0	0.0	-0.55968	*
				0.00000	8.00000	99.75000	0.0	0.0	-0.47859	*
				1.00000	8.00000	99.75000	0.0	0.0	0.0	
				2.00000	8.00000	99.75000	0.0	0.0	0.0	
				3.00000	8.00000	99.75000	0.0	0.0	0.0	
				4.00000	8.00000	99.75000	0.0	0.0	0.0	
				5.00000	8.00000	99.75000	0.0	0.0	0.0	
				-40.00000	9.00000	99.75000	0.0	0.0	0.28639	*
				-39.00000	9.00000	99.75000	0.0	0.0	0.33664	*
				-38.00000	9.00000	99.75000	0.0	0.0	0.40020	*
				-37.00000	9.00000	99.75000	0.0	0.0	0.48138	*
				-36.00000	9.00000	99.75000	0.0	0.0	0.58501	*
				-35.00000	9.00000	99.75000	0.0	0.0	0.71415	*
				-34.00000	9.00000	99.75000	0.0	0.0	0.86417	*
				-33.00000	9.00000	99.75000	0.0	0.0	1.0131	*
				-32.00000	9.00000	99.75000	0.0	0.0	1.1198	*
				-31.00000	9.00000	99.75000	0.0	0.0	1.1500	*
				-30.00000	9.00000	99.75000	0.0	0.0	1.1075	*
				-29.00000	9.00000	99.75000	0.0	0.0	1.0229	*
				-28.00000	9.00000	99.75000	0.0	0.0	0.92340	*
				-27.00000	9.00000	99.75000	0.0	0.0	0.82395	*
				-26.00000	9.00000	99.75000	0.0	0.0	0.73272	*
				-25.00000	9.00000	99.75000	0.0	0.0	0.65628	*
				-24.00000	9.00000	99.75000	0.0	0.0	0.59995	*
				-23.00000	9.00000	99.75000	0.0	0.0	0.56482	*
				-22.00000	9.00000	99.75000	0.0	0.0	0.54469	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-21.00000	9.00000	99.75000	0.0	0.0	0.52372	*
				-20.00000	9.00000	99.75000	0.0	0.0	0.47771	*
				-19.00000	9.00000	99.75000	0.0	0.0	0.38436	*
				-18.00000	9.00000	99.75000	0.0	0.0	0.23648	*
				-17.00000	9.00000	99.75000	0.0	0.0	0.044282	*
				-16.00000	9.00000	99.75000	0.0	0.0	-0.17015	*
				-15.00000	9.00000	99.75000	0.0	0.0	-0.38223	*
				-14.00000	9.00000	99.75000	0.0	0.0	-0.57538	*
				-13.00000	9.00000	99.75000	0.0	0.0	-0.74351	*
				-12.00000	9.00000	99.75000	0.0	0.0	-0.88570	*
				-11.00000	9.00000	99.75000	0.0	0.0	-0.99874	*
				-10.00000	9.00000	99.75000	0.0	0.0	-1.0743	*
				-9.00000	9.00000	99.75000	0.0	0.0	-1.1052	*
				-8.00000	9.00000	99.75000	0.0	0.0	-1.0917	*
				-7.00000	9.00000	99.75000	0.0	0.0	-1.0396	*
				-6.00000	9.00000	99.75000	0.0	0.0	-0.95854	*
				-5.00000	9.00000	99.75000	0.0	0.0	-0.86078	*
				-4.00000	9.00000	99.75000	0.0	0.0	-0.75878	*
				-3.00000	9.00000	99.75000	0.0	0.0	-0.66176	*
				-2.00000	9.00000	99.75000	0.0	0.0	-0.57443	*
				-1.00000	9.00000	99.75000	0.0	0.0	-0.49818	*
				0.00000	9.00000	99.75000	0.0	0.0	-0.43263	*
				1.00000	9.00000	99.75000	0.0	0.0	0.0	
				2.00000	9.00000	99.75000	0.0	0.0	0.0	
				3.00000	9.00000	99.75000	0.0	0.0	0.0	
				4.00000	9.00000	99.75000	0.0	0.0	0.0	
				5.00000	9.00000	99.75000	0.0	0.0	0.0	
				-40.00000	10.00000	99.75000	0.0	0.0	0.26114	*
				-39.00000	10.00000	99.75000	0.0	0.0	0.30279	*
				-38.00000	10.00000	99.75000	0.0	0.0	0.35347	*
				-37.00000	10.00000	99.75000	0.0	0.0	0.41492	*
				-36.00000	10.00000	99.75000	0.0	0.0	0.48822	*
				-35.00000	10.00000	99.75000	0.0	0.0	0.57216	*
				-34.00000	10.00000	99.75000	0.0	0.0	0.66081	*
				-33.00000	10.00000	99.75000	0.0	0.0	0.74148	*
				-32.00000	10.00000	99.75000	0.0	0.0	0.79710	*
				-31.00000	10.00000	99.75000	0.0	0.0	0.81505	*
				-30.00000	10.00000	99.75000	0.0	0.0	0.79523	*
				-29.00000	10.00000	99.75000	0.0	0.0	0.74807	*
				-28.00000	10.00000	99.75000	0.0	0.0	0.68630	*
				-27.00000	10.00000	99.75000	0.0	0.0	0.61985	*
				-26.00000	10.00000	99.75000	0.0	0.0	0.55553	*
				-25.00000	10.00000	99.75000	0.0	0.0	0.49797	*
				-24.00000	10.00000	99.75000	0.0	0.0	0.44974	*
				-23.00000	10.00000	99.75000	0.0	0.0	0.41039	*
				-22.00000	10.00000	99.75000	0.0	0.0	0.37543	*
				-21.00000	10.00000	99.75000	0.0	0.0	0.33605	*
				-20.00000	10.00000	99.75000	0.0	0.0	0.28096	*
				-19.00000	10.00000	99.75000	0.0	0.0	0.20063	*



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-18.00000	10.00000	99.75000	0.0	0.0	0.091925	*
				-17.00000	10.00000	99.75000	0.0	0.0	-0.040462	*
				-16.00000	10.00000	99.75000	0.0	0.0	-0.18598	*
				-15.00000	10.00000	99.75000	0.0	0.0	-0.33233	*
				-14.00000	10.00000	99.75000	0.0	0.0	-0.46944	*
				-13.00000	10.00000	99.75000	0.0	0.0	-0.59104	*
				-12.00000	10.00000	99.75000	0.0	0.0	-0.69335	*
				-11.00000	10.00000	99.75000	0.0	0.0	-0.77298	*
				-10.00000	10.00000	99.75000	0.0	0.0	-0.82612	*
				-9.00000	10.00000	99.75000	0.0	0.0	-0.85017	*
				-8.00000	10.00000	99.75000	0.0	0.0	-0.84538	*
				-7.00000	10.00000	99.75000	0.0	0.0	-0.81504	*
				-6.00000	10.00000	99.75000	0.0	0.0	-0.76481	*
				-5.00000	10.00000	99.75000	0.0	0.0	-0.70176	*
				-4.00000	10.00000	99.75000	0.0	0.0	-0.63302	*
				-3.00000	10.00000	99.75000	0.0	0.0	-0.56440	*
				-2.00000	10.00000	99.75000	0.0	0.0	-0.49969	*
				-1.00000	10.00000	99.75000	0.0	0.0	-0.44082	*
				0.00000	10.00000	99.75000	0.0	0.0	-0.38841	*
				1.00000	10.00000	99.75000	0.0	0.0	0.0	
				2.00000	10.00000	99.75000	0.0	0.0	0.0	
				3.00000	10.00000	99.75000	0.0	0.0	0.0	
				4.00000	10.00000	99.75000	0.0	0.0	0.0	
				5.00000	10.00000	99.75000	0.0	0.0	0.0	
				-40.00000	11.00000	99.75000	0.0	0.0	0.23584	*
				-39.00000	11.00000	99.75000	0.0	0.0	0.26967	*
				-38.00000	11.00000	99.75000	0.0	0.0	0.30930	*
				-37.00000	11.00000	99.75000	0.0	0.0	0.35515	*
				-36.00000	11.00000	99.75000	0.0	0.0	0.40682	*
				-35.00000	11.00000	99.75000	0.0	0.0	0.46226	*
				-34.00000	11.00000	99.75000	0.0	0.0	0.51701	*
				-33.00000	11.00000	99.75000	0.0	0.0	0.56405	*
				-32.00000	11.00000	99.75000	0.0	0.0	0.59546	*
				-31.00000	11.00000	99.75000	0.0	0.0	0.60573	*
				-30.00000	11.00000	99.75000	0.0	0.0	0.59433	*
				-29.00000	11.00000	99.75000	0.0	0.0	0.56533	*
				-28.00000	11.00000	99.75000	0.0	0.0	0.52487	*
				-27.00000	11.00000	99.75000	0.0	0.0	0.47877	*
				-26.00000	11.00000	99.75000	0.0	0.0	0.43158	*
				-25.00000	11.00000	99.75000	0.0	0.0	0.38640	*
				-24.00000	11.00000	99.75000	0.0	0.0	0.34466	*
				-23.00000	11.00000	99.75000	0.0	0.0	0.30580	*
				-22.00000	11.00000	99.75000	0.0	0.0	0.26707	*
				-21.00000	11.00000	99.75000	0.0	0.0	0.22374	*
				-20.00000	11.00000	99.75000	0.0	0.0	0.17033	*
				-19.00000	11.00000	99.75000	0.0	0.0	0.10254	*
				-18.00000	11.00000	99.75000	0.0	0.0	0.019126	*
				-17.00000	11.00000	99.75000	0.0	0.0	-0.077404	*
				-16.00000	11.00000	99.75000	0.0	0.0	-0.18154	*



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-15.00000	11.00000	99.75000	0.0	0.0	-0.28652	*
				-14.00000	11.00000	99.75000	0.0	0.0	-0.38609	*
				-13.00000	11.00000	99.75000	0.0	0.0	-0.47538	*
				-12.00000	11.00000	99.75000	0.0	0.0	-0.55083	*
				-11.00000	11.00000	99.75000	0.0	0.0	-0.60964	*
				-10.00000	11.00000	99.75000	0.0	0.0	-0.64958	*
				-9.00000	11.00000	99.75000	0.0	0.0	-0.66947	*
				-8.00000	11.00000	99.75000	0.0	0.0	-0.66966	*
				-7.00000	11.00000	99.75000	0.0	0.0	-0.65218	*
				-6.00000	11.00000	99.75000	0.0	0.0	-0.62045	*
				-5.00000	11.00000	99.75000	0.0	0.0	-0.57873	*
				-4.00000	11.00000	99.75000	0.0	0.0	-0.53140	*
				-3.00000	11.00000	99.75000	0.0	0.0	-0.48225	*
				-2.00000	11.00000	99.75000	0.0	0.0	-0.43411	*
				-1.00000	11.00000	99.75000	0.0	0.0	-0.38875	*
				0.00000	11.00000	99.75000	0.0	0.0	-0.34710	*
				1.00000	11.00000	99.75000	0.0	0.0	0.0	
				2.00000	11.00000	99.75000	0.0	0.0	0.0	
				3.00000	11.00000	99.75000	0.0	0.0	0.0	
				4.00000	11.00000	99.75000	0.0	0.0	0.0	
				5.00000	11.00000	99.75000	0.0	0.0	0.0	
				-40.00000	12.00000	99.75000	0.0	0.0	0.21149	*
				-39.00000	12.00000	99.75000	0.0	0.0	0.23860	*
				-38.00000	12.00000	99.75000	0.0	0.0	0.26927	*
				-37.00000	12.00000	99.75000	0.0	0.0	0.30332	*
				-36.00000	12.00000	99.75000	0.0	0.0	0.33992	*
				-35.00000	12.00000	99.75000	0.0	0.0	0.37725	*
				-34.00000	12.00000	99.75000	0.0	0.0	0.41230	*
				-33.00000	12.00000	99.75000	0.0	0.0	0.44110	*
				-32.00000	12.00000	99.75000	0.0	0.0	0.45962	*
				-31.00000	12.00000	99.75000	0.0	0.0	0.46516	*
				-30.00000	12.00000	99.75000	0.0	0.0	0.45725	*
				-29.00000	12.00000	99.75000	0.0	0.0	0.43767	*
				-28.00000	12.00000	99.75000	0.0	0.0	0.40949	*
				-27.00000	12.00000	99.75000	0.0	0.0	0.37602	*
				-26.00000	12.00000	99.75000	0.0	0.0	0.34008	*
				-25.00000	12.00000	99.75000	0.0	0.0	0.30364	*
				-24.00000	12.00000	99.75000	0.0	0.0	0.26758	*
				-23.00000	12.00000	99.75000	0.0	0.0	0.23157	*
				-22.00000	12.00000	99.75000	0.0	0.0	0.19405	*
				-21.00000	12.00000	99.75000	0.0	0.0	0.15257	*
				-20.00000	12.00000	99.75000	0.0	0.0	0.10442	*
				-19.00000	12.00000	99.75000	0.0	0.0	0.047678	*
				-18.00000	12.00000	99.75000	0.0	0.0	-0.018043	*
				-17.00000	12.00000	99.75000	0.0	0.0	-0.091193	*
				-16.00000	12.00000	99.75000	0.0	0.0	-0.16862	*
				-15.00000	12.00000	99.75000	0.0	0.0	-0.24634	*
				-14.00000	12.00000	99.75000	0.0	0.0	-0.32034	*
				-13.00000	12.00000	99.75000	0.0	0.0	-0.38715	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-12.00000	12.00000	99.75000	0.0	0.0	-0.44400	*
				-11.00000	12.00000	99.75000	0.0	0.0	-0.48875	*
				-10.00000	12.00000	99.75000	0.0	0.0	-0.51993	*
				-9.00000	12.00000	99.75000	0.0	0.0	-0.53687	*
				-8.00000	12.00000	99.75000	0.0	0.0	-0.53984	*
				-7.00000	12.00000	99.75000	0.0	0.0	-0.53016	*
				-6.00000	12.00000	99.75000	0.0	0.0	-0.50997	*
				-5.00000	12.00000	99.75000	0.0	0.0	-0.48193	*
				-4.00000	12.00000	99.75000	0.0	0.0	-0.44884	*
				-3.00000	12.00000	99.75000	0.0	0.0	-0.41327	*
				-2.00000	12.00000	99.75000	0.0	0.0	-0.37725	*
				-1.00000	12.00000	99.75000	0.0	0.0	-0.34228	*
				0.00000	12.00000	99.75000	0.0	0.0	-0.30928	*
				1.00000	12.00000	99.75000	0.0	0.0	0.0	
				2.00000	12.00000	99.75000	0.0	0.0	0.0	
				3.00000	12.00000	99.75000	0.0	0.0	0.0	
				4.00000	12.00000	99.75000	0.0	0.0	0.0	
				5.00000	12.00000	99.75000	0.0	0.0	0.0	
				-40.00000	13.00000	99.75000	0.0	0.0	0.18872	*
				-39.00000	13.00000	99.75000	0.0	0.0	0.21026	*
				-38.00000	13.00000	99.75000	0.0	0.0	0.23388	*
				-37.00000	13.00000	99.75000	0.0	0.0	0.25918	*
				-36.00000	13.00000	99.75000	0.0	0.0	0.28532	*
				-35.00000	13.00000	99.75000	0.0	0.0	0.31091	*
				-34.00000	13.00000	99.75000	0.0	0.0	0.33395	*
				-33.00000	13.00000	99.75000	0.0	0.0	0.35212	*
				-32.00000	13.00000	99.75000	0.0	0.0	0.36323	*
				-31.00000	13.00000	99.75000	0.0	0.0	0.36578	*
				-30.00000	13.00000	99.75000	0.0	0.0	0.35946	*
				-29.00000	13.00000	99.75000	0.0	0.0	0.34509	*
				-28.00000	13.00000	99.75000	0.0	0.0	0.32427	*
				-27.00000	13.00000	99.75000	0.0	0.0	0.29886	*
				-26.00000	13.00000	99.75000	0.0	0.0	0.27056	*
				-25.00000	13.00000	99.75000	0.0	0.0	0.24060	*
				-24.00000	13.00000	99.75000	0.0	0.0	0.20956	*
				-23.00000	13.00000	99.75000	0.0	0.0	0.17732	*
				-22.00000	13.00000	99.75000	0.0	0.0	0.14306	*
				-21.00000	13.00000	99.75000	0.0	0.0	0.10557	*
				-20.00000	13.00000	99.75000	0.0	0.0	0.063547	*
				-19.00000	13.00000	99.75000	0.0	0.0	0.016176	*
				-18.00000	13.00000	99.75000	0.0	0.0	-0.036514	*
				-17.00000	13.00000	99.75000	0.0	0.0	-0.093463	*
				-16.00000	13.00000	99.75000	0.0	0.0	-0.15271	*
				-15.00000	13.00000	99.75000	0.0	0.0	-0.21175	*
				-14.00000	13.00000	99.75000	0.0	0.0	-0.26797	*
				-13.00000	13.00000	99.75000	0.0	0.0	-0.31893	*
				-12.00000	13.00000	99.75000	0.0	0.0	-0.36261	*
				-11.00000	13.00000	99.75000	0.0	0.0	-0.39743	*
				-10.00000	13.00000	99.75000	0.0	0.0	-0.42237	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-9.00000	13.00000	99.75000	0.0	0.0	-0.43696	*
				-8.00000	13.00000	99.75000	0.0	0.0	-0.44139	*
				-7.00000	13.00000	99.75000	0.0	0.0	-0.43652	*
				-6.00000	13.00000	99.75000	0.0	0.0	-0.42372	*
				-5.00000	13.00000	99.75000	0.0	0.0	-0.40470	*
				-4.00000	13.00000	99.75000	0.0	0.0	-0.38133	*
				-3.00000	13.00000	99.75000	0.0	0.0	-0.35536	*
				-2.00000	13.00000	99.75000	0.0	0.0	-0.32828	*
				-1.00000	13.00000	99.75000	0.0	0.0	-0.30127	*
				0.00000	13.00000	99.75000	0.0	0.0	-0.27514	*
				1.00000	13.00000	99.75000	0.0	0.0	0.0	
				2.00000	13.00000	99.75000	0.0	0.0	0.0	
				3.00000	13.00000	99.75000	0.0	0.0	0.0	
				4.00000	13.00000	99.75000	0.0	0.0	0.0	
				5.00000	13.00000	99.75000	0.0	0.0	0.0	
				-40.00000	14.00000	99.75000	0.0	0.0	0.16785	*
				-39.00000	14.00000	99.75000	0.0	0.0	0.18488	*
				-38.00000	14.00000	99.75000	0.0	0.0	0.20304	*
				-37.00000	14.00000	99.75000	0.0	0.0	0.22190	*
				-36.00000	14.00000	99.75000	0.0	0.0	0.24073	*
				-35.00000	14.00000	99.75000	0.0	0.0	0.25851	*
				-34.00000	14.00000	99.75000	0.0	0.0	0.27393	*
				-33.00000	14.00000	99.75000	0.0	0.0	0.28558	*
				-32.00000	14.00000	99.75000	0.0	0.0	0.29215	*
				-31.00000	14.00000	99.75000	0.0	0.0	0.29280	*
				-30.00000	14.00000	99.75000	0.0	0.0	0.28729	*
				-29.00000	14.00000	99.75000	0.0	0.0	0.27600	*
				-28.00000	14.00000	99.75000	0.0	0.0	0.25979	*
				-27.00000	14.00000	99.75000	0.0	0.0	0.23973	*
				-26.00000	14.00000	99.75000	0.0	0.0	0.21682	*
				-25.00000	14.00000	99.75000	0.0	0.0	0.19184	*
				-24.00000	14.00000	99.75000	0.0	0.0	0.16519	*
				-23.00000	14.00000	99.75000	0.0	0.0	0.13687	*
				-22.00000	14.00000	99.75000	0.0	0.0	0.10652	*
				-21.00000	14.00000	99.75000	0.0	0.0	0.073568	*
				-20.00000	14.00000	99.75000	0.0	0.0	0.037460	*
				-19.00000	14.00000	99.75000	0.0	0.0	-0.0020855	*
				-18.00000	14.00000	99.75000	0.0	0.0	-0.044859	*
				-17.00000	14.00000	99.75000	0.0	0.0	-0.090074	*
				-16.00000	14.00000	99.75000	0.0	0.0	-0.13642	*
				-15.00000	14.00000	99.75000	0.0	0.0	-0.18226	*
				-14.00000	14.00000	99.75000	0.0	0.0	-0.22582	*
				-13.00000	14.00000	99.75000	0.0	0.0	-0.26540	*
				-12.00000	14.00000	99.75000	0.0	0.0	-0.29957	*
				-11.00000	14.00000	99.75000	0.0	0.0	-0.32717	*
				-10.00000	14.00000	99.75000	0.0	0.0	-0.34746	*
				-9.00000	14.00000	99.75000	0.0	0.0	-0.36009	*
				-8.00000	14.00000	99.75000	0.0	0.0	-0.36519	*
				-7.00000	14.00000	99.75000	0.0	0.0	-0.36330	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-6.00000	14.00000	99.75000	0.0	0.0	-0.35531	*
				-5.00000	14.00000	99.75000	0.0	0.0	-0.34238	*
				-4.00000	14.00000	99.75000	0.0	0.0	-0.32576	*
				-3.00000	14.00000	99.75000	0.0	0.0	-0.30667	*
				-2.00000	14.00000	99.75000	0.0	0.0	-0.28622	*
				-1.00000	14.00000	99.75000	0.0	0.0	-0.26530	*
				0.00000	14.00000	99.75000	0.0	0.0	-0.24460	*
				1.00000	14.00000	99.75000	0.0	0.0	0.0	
				2.00000	14.00000	99.75000	0.0	0.0	0.0	
				3.00000	14.00000	99.75000	0.0	0.0	0.0	
				4.00000	14.00000	99.75000	0.0	0.0	0.0	
				5.00000	14.00000	99.75000	0.0	0.0	0.0	
				-40.00000	15.00000	99.75000	0.0	0.0	0.14898	*
				-39.00000	15.00000	99.75000	0.0	0.0	0.16242	*
				-38.00000	15.00000	99.75000	0.0	0.0	0.17638	*
				-37.00000	15.00000	99.75000	0.0	0.0	0.19048	*
				-36.00000	15.00000	99.75000	0.0	0.0	0.20414	*
				-35.00000	15.00000	99.75000	0.0	0.0	0.21662	*
				-34.00000	15.00000	99.75000	0.0	0.0	0.22704	*
				-33.00000	15.00000	99.75000	0.0	0.0	0.23450	*
				-32.00000	15.00000	99.75000	0.0	0.0	0.23820	*
				-31.00000	15.00000	99.75000	0.0	0.0	0.23762	*
				-30.00000	15.00000	99.75000	0.0	0.0	0.23257	*
				-29.00000	15.00000	99.75000	0.0	0.0	0.22324	*
				-28.00000	15.00000	99.75000	0.0	0.0	0.21010	*
				-27.00000	15.00000	99.75000	0.0	0.0	0.19374	*
				-26.00000	15.00000	99.75000	0.0	0.0	0.17479	*
				-25.00000	15.00000	99.75000	0.0	0.0	0.15374	*
				-24.00000	15.00000	99.75000	0.0	0.0	0.13087	*
				-23.00000	15.00000	99.75000	0.0	0.0	0.10627	*
				-22.00000	15.00000	99.75000	0.0	0.0	0.079804	*
				-21.00000	15.00000	99.75000	0.0	0.0	0.051268	*
				-20.00000	15.00000	99.75000	0.0	0.0	0.020474	*
				-19.00000	15.00000	99.75000	0.0	0.0	-0.012590	*
				-18.00000	15.00000	99.75000	0.0	0.0	-0.047647	*
				-17.00000	15.00000	99.75000	0.0	0.0	-0.084087	*
				-16.00000	15.00000	99.75000	0.0	0.0	-0.12099	*
				-15.00000	15.00000	99.75000	0.0	0.0	-0.15722	*
				-14.00000	15.00000	99.75000	0.0	0.0	-0.19157	*
				-13.00000	15.00000	99.75000	0.0	0.0	-0.22284	*
				-12.00000	15.00000	99.75000	0.0	0.0	-0.25000	*
				-11.00000	15.00000	99.75000	0.0	0.0	-0.27222	*
				-10.00000	15.00000	99.75000	0.0	0.0	-0.28894	*
				-9.00000	15.00000	99.75000	0.0	0.0	-0.29992	*
				-8.00000	15.00000	99.75000	0.0	0.0	-0.30520	*
				-7.00000	15.00000	99.75000	0.0	0.0	-0.30514	*
				-6.00000	15.00000	99.75000	0.0	0.0	-0.30035	*
				-5.00000	15.00000	99.75000	0.0	0.0	-0.29158	*
				-4.00000	15.00000	99.75000	0.0	0.0	-0.27972	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-3.00000	15.00000	99.75000	0.0	0.0	-0.26562	*
				-2.00000	15.00000	99.75000	0.0	0.0	-0.25011	*
				-1.00000	15.00000	99.75000	0.0	0.0	-0.23386	*
				0.00000	15.00000	99.75000	0.0	0.0	-0.21745	*
				1.00000	15.00000	99.75000	0.0	0.0	0.0	
				2.00000	15.00000	99.75000	0.0	0.0	0.0	
				3.00000	15.00000	99.75000	0.0	0.0	0.0	
				4.00000	15.00000	99.75000	0.0	0.0	0.0	
				5.00000	15.00000	99.75000	0.0	0.0	0.0	
				-40.00000	16.00000	99.75000	0.0	0.0	0.13208	*
				-39.00000	16.00000	99.75000	0.0	0.0	0.14267	*
				-38.00000	16.00000	99.75000	0.0	0.0	0.15342	*
				-37.00000	16.00000	99.75000	0.0	0.0	0.16399	*
				-36.00000	16.00000	99.75000	0.0	0.0	0.17395	*
				-35.00000	16.00000	99.75000	0.0	0.0	0.18275	*
				-34.00000	16.00000	99.75000	0.0	0.0	0.18979	*
				-33.00000	16.00000	99.75000	0.0	0.0	0.19449	*
				-32.00000	16.00000	99.75000	0.0	0.0	0.19632	*
				-31.00000	16.00000	99.75000	0.0	0.0	0.19494	*
				-30.00000	16.00000	99.75000	0.0	0.0	0.19022	*
				-29.00000	16.00000	99.75000	0.0	0.0	0.18223	*
				-28.00000	16.00000	99.75000	0.0	0.0	0.17123	*
				-27.00000	16.00000	99.75000	0.0	0.0	0.15757	*
				-26.00000	16.00000	99.75000	0.0	0.0	0.14164	*
				-25.00000	16.00000	99.75000	0.0	0.0	0.12374	*
				-24.00000	16.00000	99.75000	0.0	0.0	0.10412	*
				-23.00000	16.00000	99.75000	0.0	0.0	0.082856	*
				-22.00000	16.00000	99.75000	0.0	0.0	0.059978	*
				-21.00000	16.00000	99.75000	0.0	0.0	0.035448	*
				-20.00000	16.00000	99.75000	0.0	0.0	0.0092706	*
				-19.00000	16.00000	99.75000	0.0	0.0	-0.018441	*
				-18.00000	16.00000	99.75000	0.0	0.0	-0.047400	*
				-17.00000	16.00000	99.75000	0.0	0.0	-0.077117	*
				-16.00000	16.00000	99.75000	0.0	0.0	-0.10692	*
				-15.00000	16.00000	99.75000	0.0	0.0	-0.13600	*
				-14.00000	16.00000	99.75000	0.0	0.0	-0.16350	*
				-13.00000	16.00000	99.75000	0.0	0.0	-0.18858	*
				-12.00000	16.00000	99.75000	0.0	0.0	-0.21048	*
				-11.00000	16.00000	99.75000	0.0	0.0	-0.22861	*
				-10.00000	16.00000	99.75000	0.0	0.0	-0.24255	*
				-9.00000	16.00000	99.75000	0.0	0.0	-0.25211	*
				-8.00000	16.00000	99.75000	0.0	0.0	-0.25731	*
				-7.00000	16.00000	99.75000	0.0	0.0	-0.25836	*
				-6.00000	16.00000	99.75000	0.0	0.0	-0.25569	*
				-5.00000	16.00000	99.75000	0.0	0.0	-0.24981	*
				-4.00000	16.00000	99.75000	0.0	0.0	-0.24134	*
				-3.00000	16.00000	99.75000	0.0	0.0	-0.23090	*
				-2.00000	16.00000	99.75000	0.0	0.0	-0.21909	*
				-1.00000	16.00000	99.75000	0.0	0.0	-0.20644	*



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 Ground Movement Assessment
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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				0.00000	16.00000	99.75000	0.0	0.0	-0.19341	*
				1.00000	16.00000	99.75000	0.0	0.0	0.0	
				2.00000	16.00000	99.75000	0.0	0.0	0.0	
				3.00000	16.00000	99.75000	0.0	0.0	0.0	
				4.00000	16.00000	99.75000	0.0	0.0	0.0	
				5.00000	16.00000	99.75000	0.0	0.0	0.0	
				-40.00000	17.00000	99.75000	0.0	0.0	0.11705	*
				-39.00000	17.00000	99.75000	0.0	0.0	0.12538	*
				-38.00000	17.00000	99.75000	0.0	0.0	0.13366	*
				-37.00000	17.00000	99.75000	0.0	0.0	0.14160	*
				-36.00000	17.00000	99.75000	0.0	0.0	0.14887	*
				-35.00000	17.00000	99.75000	0.0	0.0	0.15507	*
				-34.00000	17.00000	99.75000	0.0	0.0	0.15979	*
				-33.00000	17.00000	99.75000	0.0	0.0	0.16262	*
				-32.00000	17.00000	99.75000	0.0	0.0	0.16321	*
				-31.00000	17.00000	99.75000	0.0	0.0	0.16133	*
				-30.00000	17.00000	99.75000	0.0	0.0	0.15688	*
				-29.00000	17.00000	99.75000	0.0	0.0	0.14987	*
				-28.00000	17.00000	99.75000	0.0	0.0	0.14046	*
				-27.00000	17.00000	99.75000	0.0	0.0	0.12885	*
				-26.00000	17.00000	99.75000	0.0	0.0	0.11528	*
				-25.00000	17.00000	99.75000	0.0	0.0	0.099979	*
				-24.00000	17.00000	99.75000	0.0	0.0	0.083107	*
				-23.00000	17.00000	99.75000	0.0	0.0	0.064785	*
				-22.00000	17.00000	99.75000	0.0	0.0	0.045087	*
				-21.00000	17.00000	99.75000	0.0	0.0	0.024074	*
				-20.00000	17.00000	99.75000	0.0	0.0	0.0018369	*
				-19.00000	17.00000	99.75000	0.0	0.0	-0.021459	*
				-18.00000	17.00000	99.75000	0.0	0.0	-0.045540	*
				-17.00000	17.00000	99.75000	0.0	0.0	-0.070012	*
				-16.00000	17.00000	99.75000	0.0	0.0	-0.094366	*
				-15.00000	17.00000	99.75000	0.0	0.0	-0.11801	*
				-14.00000	17.00000	99.75000	0.0	0.0	-0.14033	*
				-13.00000	17.00000	99.75000	0.0	0.0	-0.16071	*
				-12.00000	17.00000	99.75000	0.0	0.0	-0.17860	*
				-11.00000	17.00000	99.75000	0.0	0.0	-0.19357	*
				-10.00000	17.00000	99.75000	0.0	0.0	-0.20530	*
				-9.00000	17.00000	99.75000	0.0	0.0	-0.21364	*
				-8.00000	17.00000	99.75000	0.0	0.0	-0.21860	*
				-7.00000	17.00000	99.75000	0.0	0.0	-0.22031	*
				-6.00000	17.00000	99.75000	0.0	0.0	-0.21904	*
				-5.00000	17.00000	99.75000	0.0	0.0	-0.21518	*
				-4.00000	17.00000	99.75000	0.0	0.0	-0.20915	*
				-3.00000	17.00000	99.75000	0.0	0.0	-0.20141	*
				-2.00000	17.00000	99.75000	0.0	0.0	-0.19240	*
				-1.00000	17.00000	99.75000	0.0	0.0	-0.18253	*
				0.00000	17.00000	99.75000	0.0	0.0	-0.17217	*
				1.00000	17.00000	99.75000	0.0	0.0	0.0	
				2.00000	17.00000	99.75000	0.0	0.0	0.0	



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				3.00000	17.00000	99.75000	0.0	0.0	0.0	
				4.00000	17.00000	99.75000	0.0	0.0	0.0	
				5.00000	17.00000	99.75000	0.0	0.0	0.0	
				-40.00000	18.00000	99.75000	0.0	0.0	0.10372	*
				-39.00000	18.00000	99.75000	0.0	0.0	0.11028	*
				-38.00000	18.00000	99.75000	0.0	0.0	0.11665	*
				-37.00000	18.00000	99.75000	0.0	0.0	0.12261	*
				-36.00000	18.00000	99.75000	0.0	0.0	0.12791	*
				-35.00000	18.00000	99.75000	0.0	0.0	0.13225	*
				-34.00000	18.00000	99.75000	0.0	0.0	0.13534	*
				-33.00000	18.00000	99.75000	0.0	0.0	0.13689	*
				-32.00000	18.00000	99.75000	0.0	0.0	0.13666	*
				-31.00000	18.00000	99.75000	0.0	0.0	0.13448	*
				-30.00000	18.00000	99.75000	0.0	0.0	0.13027	*
				-29.00000	18.00000	99.75000	0.0	0.0	0.12404	*
				-28.00000	18.00000	99.75000	0.0	0.0	0.11586	*
				-27.00000	18.00000	99.75000	0.0	0.0	0.10587	*
				-26.00000	18.00000	99.75000	0.0	0.0	0.094208	*
				-25.00000	18.00000	99.75000	0.0	0.0	0.081045	*
				-24.00000	18.00000	99.75000	0.0	0.0	0.066515	*
				-23.00000	18.00000	99.75000	0.0	0.0	0.050733	*
				-22.00000	18.00000	99.75000	0.0	0.0	0.033800	*
				-21.00000	18.00000	99.75000	0.0	0.0	0.015816	*
				-20.00000	18.00000	99.75000	0.0	0.0	-0.0030888	*
				-19.00000	18.00000	99.75000	0.0	0.0	-0.022738	*
				-18.00000	18.00000	99.75000	0.0	0.0	-0.042883	*
				-17.00000	18.00000	99.75000	0.0	0.0	-0.063201	*
				-16.00000	18.00000	99.75000	0.0	0.0	-0.083302	*
				-15.00000	18.00000	99.75000	0.0	0.0	-0.10274	*
				-14.00000	18.00000	99.75000	0.0	0.0	-0.12106	*
				-13.00000	18.00000	99.75000	0.0	0.0	-0.13782	*
				-12.00000	18.00000	99.75000	0.0	0.0	-0.15260	*
				-11.00000	18.00000	99.75000	0.0	0.0	-0.16509	*
				-10.00000	18.00000	99.75000	0.0	0.0	-0.17504	*
				-9.00000	18.00000	99.75000	0.0	0.0	-0.18234	*
				-8.00000	18.00000	99.75000	0.0	0.0	-0.18698	*
				-7.00000	18.00000	99.75000	0.0	0.0	-0.18904	*
				-6.00000	18.00000	99.75000	0.0	0.0	-0.18872	*
				-5.00000	18.00000	99.75000	0.0	0.0	-0.18627	*
				-4.00000	18.00000	99.75000	0.0	0.0	-0.18201	*
				-3.00000	18.00000	99.75000	0.0	0.0	-0.17627	*
				-2.00000	18.00000	99.75000	0.0	0.0	-0.16939	*
				-1.00000	18.00000	99.75000	0.0	0.0	-0.16168	*
				0.00000	18.00000	99.75000	0.0	0.0	-0.15343	*
				1.00000	18.00000	99.75000	0.0	0.0	0.0	
				2.00000	18.00000	99.75000	0.0	0.0	0.0	
				3.00000	18.00000	99.75000	0.0	0.0	0.0	
				4.00000	18.00000	99.75000	0.0	0.0	0.0	
				5.00000	18.00000	99.75000	0.0	0.0	0.0	



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-40.00000	19.00000	99.75000	0.0	0.0	0.091936	*
				-39.00000	19.00000	99.75000	0.0	0.0	0.097089	*
				-38.00000	19.00000	99.75000	0.0	0.0	0.10199	*
				-37.00000	19.00000	99.75000	0.0	0.0	0.10646	*
				-36.00000	19.00000	99.75000	0.0	0.0	0.11029	*
				-35.00000	19.00000	99.75000	0.0	0.0	0.11329	*
				-34.00000	19.00000	99.75000	0.0	0.0	0.11522	*
				-33.00000	19.00000	99.75000	0.0	0.0	0.11588	*
				-32.00000	19.00000	99.75000	0.0	0.0	0.11510	*
				-31.00000	19.00000	99.75000	0.0	0.0	0.11277	*
				-30.00000	19.00000	99.75000	0.0	0.0	0.10881	*
				-29.00000	19.00000	99.75000	0.0	0.0	0.10321	*
				-28.00000	19.00000	99.75000	0.0	0.0	0.096029	*
				-27.00000	19.00000	99.75000	0.0	0.0	0.087341	*
				-26.00000	19.00000	99.75000	0.0	0.0	0.077254	*
				-25.00000	19.00000	99.75000	0.0	0.0	0.065883	*
				-24.00000	19.00000	99.75000	0.0	0.0	0.053342	*
				-23.00000	19.00000	99.75000	0.0	0.0	0.039739	*
				-22.00000	19.00000	99.75000	0.0	0.0	0.025180	*
				-21.00000	19.00000	99.75000	0.0	0.0	0.0097823	*
				-20.00000	19.00000	99.75000	0.0	0.0	-0.0063185	*
				-19.00000	19.00000	99.75000	0.0	0.0	-0.022949	*
				-18.00000	19.00000	99.75000	0.0	0.0	-0.039893	*
				-17.00000	19.00000	99.75000	0.0	0.0	-0.056885	*
				-16.00000	19.00000	99.75000	0.0	0.0	-0.073616	*
				-15.00000	19.00000	99.75000	0.0	0.0	-0.089752	*
				-14.00000	19.00000	99.75000	0.0	0.0	-0.10494	*
				-13.00000	19.00000	99.75000	0.0	0.0	-0.11886	*
				-12.00000	19.00000	99.75000	0.0	0.0	-0.13119	*
				-11.00000	19.00000	99.75000	0.0	0.0	-0.14171	*
				-10.00000	19.00000	99.75000	0.0	0.0	-0.15021	*
				-9.00000	19.00000	99.75000	0.0	0.0	-0.15662	*
				-8.00000	19.00000	99.75000	0.0	0.0	-0.16091	*
				-7.00000	19.00000	99.75000	0.0	0.0	-0.16313	*
				-6.00000	19.00000	99.75000	0.0	0.0	-0.16343	*
				-5.00000	19.00000	99.75000	0.0	0.0	-0.16198	*
				-4.00000	19.00000	99.75000	0.0	0.0	-0.15901	*
				-3.00000	19.00000	99.75000	0.0	0.0	-0.15477	*
				-2.00000	19.00000	99.75000	0.0	0.0	-0.14951	*
				-1.00000	19.00000	99.75000	0.0	0.0	-0.14348	*
				0.00000	19.00000	99.75000	0.0	0.0	-0.13690	*
				1.00000	19.00000	99.75000	0.0	0.0	0.0	
				2.00000	19.00000	99.75000	0.0	0.0	0.0	
				3.00000	19.00000	99.75000	0.0	0.0	0.0	
				4.00000	19.00000	99.75000	0.0	0.0	0.0	
				5.00000	19.00000	99.75000	0.0	0.0	0.0	
				-40.00000	20.00000	99.75000	0.0	0.0	0.081531	*
				-39.00000	20.00000	99.75000	0.0	0.0	0.085571	*
				-38.00000	20.00000	99.75000	0.0	0.0	0.089327	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-37.00000	20.00000	99.75000	0.0	0.0	0.092657	*
				-36.00000	20.00000	99.75000	0.0	0.0	0.095407	*
				-35.00000	20.00000	99.75000	0.0	0.0	0.097415	*
				-34.00000	20.00000	99.75000	0.0	0.0	0.098518	*
				-33.00000	20.00000	99.75000	0.0	0.0	0.098567	*
				-32.00000	20.00000	99.75000	0.0	0.0	0.097439	*
				-31.00000	20.00000	99.75000	0.0	0.0	0.095043	*
				-30.00000	20.00000	99.75000	0.0	0.0	0.091326	*
				-29.00000	20.00000	99.75000	0.0	0.0	0.086278	*
				-28.00000	20.00000	99.75000	0.0	0.0	0.079924	*
				-27.00000	20.00000	99.75000	0.0	0.0	0.072321	*
				-26.00000	20.00000	99.75000	0.0	0.0	0.063545	*
				-25.00000	20.00000	99.75000	0.0	0.0	0.053685	*
				-24.00000	20.00000	99.75000	0.0	0.0	0.042834	*
				-23.00000	20.00000	99.75000	0.0	0.0	0.031092	*
				-22.00000	20.00000	99.75000	0.0	0.0	0.018562	*
				-21.00000	20.00000	99.75000	0.0	0.0	0.0053577	*
				-20.00000	20.00000	99.75000	0.0	0.0	-0.0083869	*
				-19.00000	20.00000	99.75000	0.0	0.0	-0.022514	*
				-18.00000	20.00000	99.75000	0.0	0.0	-0.036837	*
				-17.00000	20.00000	99.75000	0.0	0.0	-0.051136	*
				-16.00000	20.00000	99.75000	0.0	0.0	-0.065168	*
				-15.00000	20.00000	99.75000	0.0	0.0	-0.078671	*
				-14.00000	20.00000	99.75000	0.0	0.0	-0.091380	*
				-13.00000	20.00000	99.75000	0.0	0.0	-0.10304	*
				-12.00000	20.00000	99.75000	0.0	0.0	-0.11342	*
				-11.00000	20.00000	99.75000	0.0	0.0	-0.12234	*
				-10.00000	20.00000	99.75000	0.0	0.0	-0.12966	*
				-9.00000	20.00000	99.75000	0.0	0.0	-0.13529	*
				-8.00000	20.00000	99.75000	0.0	0.0	-0.13923	*
				-7.00000	20.00000	99.75000	0.0	0.0	-0.14149	*
				-6.00000	20.00000	99.75000	0.0	0.0	-0.14219	*
				-5.00000	20.00000	99.75000	0.0	0.0	-0.14144	*
				-4.00000	20.00000	99.75000	0.0	0.0	-0.13942	*
				-3.00000	20.00000	99.75000	0.0	0.0	-0.13630	*
				-2.00000	20.00000	99.75000	0.0	0.0	-0.13229	*
				-1.00000	20.00000	99.75000	0.0	0.0	-0.12756	*
				0.00000	20.00000	99.75000	0.0	0.0	-0.12231	*
				1.00000	20.00000	99.75000	0.0	0.0	0.0	
				2.00000	20.00000	99.75000	0.0	0.0	0.0	
				3.00000	20.00000	99.75000	0.0	0.0	0.0	
				4.00000	20.00000	99.75000	0.0	0.0	0.0	
				5.00000	20.00000	99.75000	0.0	0.0	0.0	
				-40.00000	21.00000	99.75000	0.0	0.0	0.072348	*
				-39.00000	21.00000	99.75000	0.0	0.0	0.075506	*
				-38.00000	21.00000	99.75000	0.0	0.0	0.078371	*
				-37.00000	21.00000	99.75000	0.0	0.0	0.080831	*
				-36.00000	21.00000	99.75000	0.0	0.0	0.082765	*
				-35.00000	21.00000	99.75000	0.0	0.0	0.084048	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-34.00000	21.00000	99.75000	0.0	0.0	0.084560	*
				-33.00000	21.00000	99.75000	0.0	0.0	0.084189	*
				-32.00000	21.00000	99.75000	0.0	0.0	0.082842	*
				-31.00000	21.00000	99.75000	0.0	0.0	0.080453	*
				-30.00000	21.00000	99.75000	0.0	0.0	0.076979	*
				-29.00000	21.00000	99.75000	0.0	0.0	0.072410	*
				-28.00000	21.00000	99.75000	0.0	0.0	0.066763	*
				-27.00000	21.00000	99.75000	0.0	0.0	0.060077	*
				-26.00000	21.00000	99.75000	0.0	0.0	0.052408	*
				-25.00000	21.00000	99.75000	0.0	0.0	0.043829	*
				-24.00000	21.00000	99.75000	0.0	0.0	0.034417	*
				-23.00000	21.00000	99.75000	0.0	0.0	0.024262	*
				-22.00000	21.00000	99.75000	0.0	0.0	0.013458	*
				-21.00000	21.00000	99.75000	0.0	0.0	0.0021121	*
				-20.00000	21.00000	99.75000	0.0	0.0	-0.0096530	*
				-19.00000	21.00000	99.75000	0.0	0.0	-0.021697	*
				-18.00000	21.00000	99.75000	0.0	0.0	-0.033861	*
				-17.00000	21.00000	99.75000	0.0	0.0	-0.045963	*
				-16.00000	21.00000	99.75000	0.0	0.0	-0.057808	*
				-15.00000	21.00000	99.75000	0.0	0.0	-0.069190	*
				-14.00000	21.00000	99.75000	0.0	0.0	-0.079903	*
				-13.00000	21.00000	99.75000	0.0	0.0	-0.089750	*
				-12.00000	21.00000	99.75000	0.0	0.0	-0.098557	*
				-11.00000	21.00000	99.75000	0.0	0.0	-0.10618	*
				-10.00000	21.00000	99.75000	0.0	0.0	-0.11250	*
				-9.00000	21.00000	99.75000	0.0	0.0	-0.11747	*
				-8.00000	21.00000	99.75000	0.0	0.0	-0.12106	*
				-7.00000	21.00000	99.75000	0.0	0.0	-0.12330	*
				-6.00000	21.00000	99.75000	0.0	0.0	-0.12424	*
				-5.00000	21.00000	99.75000	0.0	0.0	-0.12398	*
				-4.00000	21.00000	99.75000	0.0	0.0	-0.12265	*
				-3.00000	21.00000	99.75000	0.0	0.0	-0.12038	*
				-2.00000	21.00000	99.75000	0.0	0.0	-0.11732	*
				-1.00000	21.00000	99.75000	0.0	0.0	-0.11363	*
				0.00000	21.00000	99.75000	0.0	0.0	-0.10943	*
				1.00000	21.00000	99.75000	0.0	0.0	0.0	
				2.00000	21.00000	99.75000	0.0	0.0	0.0	
				3.00000	21.00000	99.75000	0.0	0.0	0.0	
				4.00000	21.00000	99.75000	0.0	0.0	0.0	
				5.00000	21.00000	99.75000	0.0	0.0	0.0	
				-40.00000	22.00000	99.75000	0.0	0.0	0.064244	*
				-39.00000	22.00000	99.75000	0.0	0.0	0.066701	*
				-38.00000	22.00000	99.75000	0.0	0.0	0.068871	*
				-37.00000	22.00000	99.75000	0.0	0.0	0.070662	*
				-36.00000	22.00000	99.75000	0.0	0.0	0.071981	*
				-35.00000	22.00000	99.75000	0.0	0.0	0.072732	*
				-34.00000	22.00000	99.75000	0.0	0.0	0.072821	*
				-33.00000	22.00000	99.75000	0.0	0.0	0.072165	*
				-32.00000	22.00000	99.75000	0.0	0.0	0.070695	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-31.00000	22.00000	99.75000	0.0	0.0	0.068359	*
				-30.00000	22.00000	99.75000	0.0	0.0	0.065125	*
				-29.00000	22.00000	99.75000	0.0	0.0	0.060984	*
				-28.00000	22.00000	99.75000	0.0	0.0	0.055947	*
				-27.00000	22.00000	99.75000	0.0	0.0	0.050044	*
				-26.00000	22.00000	99.75000	0.0	0.0	0.043320	*
				-25.00000	22.00000	99.75000	0.0	0.0	0.035832	*
				-24.00000	22.00000	99.75000	0.0	0.0	0.027649	*
				-23.00000	22.00000	99.75000	0.0	0.0	0.018846	*
				-22.00000	22.00000	99.75000	0.0	0.0	0.0095105	*
				-21.00000	22.00000	99.75000	0.0	0.0	-261.62E-6	*
				-20.00000	22.00000	99.75000	0.0	0.0	-0.010362	*
				-19.00000	22.00000	99.75000	0.0	0.0	-0.020667	*
				-18.00000	22.00000	99.75000	0.0	0.0	-0.031043	*
				-17.00000	22.00000	99.75000	0.0	0.0	-0.041338	*
				-16.00000	22.00000	99.75000	0.0	0.0	-0.051396	*
				-15.00000	22.00000	99.75000	0.0	0.0	-0.061051	*
				-14.00000	22.00000	99.75000	0.0	0.0	-0.070142	*
				-13.00000	22.00000	99.75000	0.0	0.0	-0.078516	*
				-12.00000	22.00000	99.75000	0.0	0.0	-0.086035	*
				-11.00000	22.00000	99.75000	0.0	0.0	-0.092587	*
				-10.00000	22.00000	99.75000	0.0	0.0	-0.098084	*
				-9.00000	22.00000	99.75000	0.0	0.0	-0.10248	*
				-8.00000	22.00000	99.75000	0.0	0.0	-0.10574	*
				-7.00000	22.00000	99.75000	0.0	0.0	-0.10789	*
				-6.00000	22.00000	99.75000	0.0	0.0	-0.10898	*
				-5.00000	22.00000	99.75000	0.0	0.0	-0.10906	*
				-4.00000	22.00000	99.75000	0.0	0.0	-0.10824	*
				-3.00000	22.00000	99.75000	0.0	0.0	-0.10661	*
				-2.00000	22.00000	99.75000	0.0	0.0	-0.10429	*
				-1.00000	22.00000	99.75000	0.0	0.0	-0.10140	*
				0.00000	22.00000	99.75000	0.0	0.0	-0.098047	*
				1.00000	22.00000	99.75000	0.0	0.0	0.0	
				2.00000	22.00000	99.75000	0.0	0.0	0.0	
				3.00000	22.00000	99.75000	0.0	0.0	0.0	
				4.00000	22.00000	99.75000	0.0	0.0	0.0	
				5.00000	22.00000	99.75000	0.0	0.0	0.0	
				-40.00000	23.00000	99.75000	0.0	0.0	0.057089	*
				-39.00000	23.00000	99.75000	0.0	0.0	0.058989	*
				-38.00000	23.00000	99.75000	0.0	0.0	0.060614	*
				-37.00000	23.00000	99.75000	0.0	0.0	0.061891	*
				-36.00000	23.00000	99.75000	0.0	0.0	0.062747	*
				-35.00000	23.00000	99.75000	0.0	0.0	0.063105	*
				-34.00000	23.00000	99.75000	0.0	0.0	0.062895	*
				-33.00000	23.00000	99.75000	0.0	0.0	0.062053	*
				-32.00000	23.00000	99.75000	0.0	0.0	0.060525	*
				-31.00000	23.00000	99.75000	0.0	0.0	0.058274	*
				-30.00000	23.00000	99.75000	0.0	0.0	0.055274	*
				-29.00000	23.00000	99.75000	0.0	0.0	0.051518	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-28.00000	23.00000	99.75000	0.0	0.0	0.047015	*
				-27.00000	23.00000	99.75000	0.0	0.0	0.041788	*
				-26.00000	23.00000	99.75000	0.0	0.0	0.035874	*
				-25.00000	23.00000	99.75000	0.0	0.0	0.029321	*
				-24.00000	23.00000	99.75000	0.0	0.0	0.022187	*
				-23.00000	23.00000	99.75000	0.0	0.0	0.014539	*
				-22.00000	23.00000	99.75000	0.0	0.0	0.0064532	*
				-21.00000	23.00000	99.75000	0.0	0.0	-0.0019856	*
				-20.00000	23.00000	99.75000	0.0	0.0	-0.010682	*
				-19.00000	23.00000	99.75000	0.0	0.0	-0.019531	*
				-18.00000	23.00000	99.75000	0.0	0.0	-0.028418	*
				-17.00000	23.00000	99.75000	0.0	0.0	-0.037219	*
				-16.00000	23.00000	99.75000	0.0	0.0	-0.045803	*
				-15.00000	23.00000	99.75000	0.0	0.0	-0.054041	*
				-14.00000	23.00000	99.75000	0.0	0.0	-0.061802	*
				-13.00000	23.00000	99.75000	0.0	0.0	-0.068966	*
				-12.00000	23.00000	99.75000	0.0	0.0	-0.075424	*
				-11.00000	23.00000	99.75000	0.0	0.0	-0.081086	*
				-10.00000	23.00000	99.75000	0.0	0.0	-0.085883	*
				-9.00000	23.00000	99.75000	0.0	0.0	-0.089773	*
				-8.00000	23.00000	99.75000	0.0	0.0	-0.092736	*
				-7.00000	23.00000	99.75000	0.0	0.0	-0.094780	*
				-6.00000	23.00000	99.75000	0.0	0.0	-0.095935	*
				-5.00000	23.00000	99.75000	0.0	0.0	-0.096252	*
				-4.00000	23.00000	99.75000	0.0	0.0	-0.095799	*
				-3.00000	23.00000	99.75000	0.0	0.0	-0.094656	*
				-2.00000	23.00000	99.75000	0.0	0.0	-0.092911	*
				-1.00000	23.00000	99.75000	0.0	0.0	-0.090654	*
				0.00000	23.00000	99.75000	0.0	0.0	-0.087977	*
				1.00000	23.00000	99.75000	0.0	0.0	0.0	
				2.00000	23.00000	99.75000	0.0	0.0	0.0	
				3.00000	23.00000	99.75000	0.0	0.0	0.0	
				4.00000	23.00000	99.75000	0.0	0.0	0.0	
				5.00000	23.00000	99.75000	0.0	0.0	0.0	
				-40.00000	24.00000	99.75000	0.0	0.0	0.050769	*
				-39.00000	24.00000	99.75000	0.0	0.0	0.052225	*
				-38.00000	24.00000	99.75000	0.0	0.0	0.053423	*
				-37.00000	24.00000	99.75000	0.0	0.0	0.054304	*
				-36.00000	24.00000	99.75000	0.0	0.0	0.054810	*
				-35.00000	24.00000	99.75000	0.0	0.0	0.054881	*
				-34.00000	24.00000	99.75000	0.0	0.0	0.054462	*
				-33.00000	24.00000	99.75000	0.0	0.0	0.053504	*
				-32.00000	24.00000	99.75000	0.0	0.0	0.051967	*
				-31.00000	24.00000	99.75000	0.0	0.0	0.049820	*
				-30.00000	24.00000	99.75000	0.0	0.0	0.047045	*
				-29.00000	24.00000	99.75000	0.0	0.0	0.043638	*
				-28.00000	24.00000	99.75000	0.0	0.0	0.039604	*
				-27.00000	24.00000	99.75000	0.0	0.0	0.034965	*
				-26.00000	24.00000	99.75000	0.0	0.0	0.029750	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-25.00000	24.00000	99.75000	0.0	0.0	0.024001	*
				-24.00000	24.00000	99.75000	0.0	0.0	0.017767	*
				-23.00000	24.00000	99.75000	0.0	0.0	0.011106	*
				-22.00000	24.00000	99.75000	0.0	0.0	0.0040847	*
				-21.00000	24.00000	99.75000	0.0	0.0	-0.0032226	*
				-20.00000	24.00000	99.75000	0.0	0.0	-0.010734	*
				-19.00000	24.00000	99.75000	0.0	0.0	-0.018358	*
				-18.00000	24.00000	99.75000	0.0	0.0	-0.026000	*
				-17.00000	24.00000	99.75000	0.0	0.0	-0.033555	*
				-16.00000	24.00000	99.75000	0.0	0.0	-0.040918	*
				-15.00000	24.00000	99.75000	0.0	0.0	-0.047982	*
				-14.00000	24.00000	99.75000	0.0	0.0	-0.054643	*
				-13.00000	24.00000	99.75000	0.0	0.0	-0.060804	*
				-12.00000	24.00000	99.75000	0.0	0.0	-0.066379	*
				-11.00000	24.00000	99.75000	0.0	0.0	-0.071296	*
				-10.00000	24.00000	99.75000	0.0	0.0	-0.075499	*
				-9.00000	24.00000	99.75000	0.0	0.0	-0.078951	*
				-8.00000	24.00000	99.75000	0.0	0.0	-0.081636	*
				-7.00000	24.00000	99.75000	0.0	0.0	-0.083557	*
				-6.00000	24.00000	99.75000	0.0	0.0	-0.084735	*
				-5.00000	24.00000	99.75000	0.0	0.0	-0.085207	*
				-4.00000	24.00000	99.75000	0.0	0.0	-0.085024	*
				-3.00000	24.00000	99.75000	0.0	0.0	-0.084248	*
				-2.00000	24.00000	99.75000	0.0	0.0	-0.082946	*
				-1.00000	24.00000	99.75000	0.0	0.0	-0.081190	*
				0.00000	24.00000	99.75000	0.0	0.0	-0.079054	*
				1.00000	24.00000	99.75000	0.0	0.0	0.0	
				2.00000	24.00000	99.75000	0.0	0.0	0.0	
				3.00000	24.00000	99.75000	0.0	0.0	0.0	
				4.00000	24.00000	99.75000	0.0	0.0	0.0	
				5.00000	24.00000	99.75000	0.0	0.0	0.0	
				-40.00000	25.00000	99.75000	0.0	0.0	0.045182	*
				-39.00000	25.00000	99.75000	0.0	0.0	0.046284	*
				-38.00000	25.00000	99.75000	0.0	0.0	0.047147	*
				-37.00000	25.00000	99.75000	0.0	0.0	0.047724	*
				-36.00000	25.00000	99.75000	0.0	0.0	0.047967	*
				-35.00000	25.00000	99.75000	0.0	0.0	0.047829	*
				-34.00000	25.00000	99.75000	0.0	0.0	0.047268	*
				-33.00000	25.00000	99.75000	0.0	0.0	0.046246	*
				-32.00000	25.00000	99.75000	0.0	0.0	0.044731	*
				-31.00000	25.00000	99.75000	0.0	0.0	0.042701	*
				-30.00000	25.00000	99.75000	0.0	0.0	0.040141	*
				-29.00000	25.00000	99.75000	0.0	0.0	0.037049	*
				-28.00000	25.00000	99.75000	0.0	0.0	0.033432	*
				-27.00000	25.00000	99.75000	0.0	0.0	0.029306	*
				-26.00000	25.00000	99.75000	0.0	0.0	0.024697	*
				-25.00000	25.00000	99.75000	0.0	0.0	0.019641	*
				-24.00000	25.00000	99.75000	0.0	0.0	0.014180	*
				-23.00000	25.00000	99.75000	0.0	0.0	0.0083642	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-22.00000	25.00000	99.75000	0.0	0.0	0.0022520	*
				-21.00000	25.00000	99.75000	0.0	0.0	-0.0040928	*
				-20.00000	25.00000	99.75000	0.0	0.0	-0.010599	*
				-19.00000	25.00000	99.75000	0.0	0.0	-0.017191	*
				-18.00000	25.00000	99.75000	0.0	0.0	-0.023785	*
				-17.00000	25.00000	99.75000	0.0	0.0	-0.030298	*
				-16.00000	25.00000	99.75000	0.0	0.0	-0.036640	*
				-15.00000	25.00000	99.75000	0.0	0.0	-0.042726	*
				-14.00000	25.00000	99.75000	0.0	0.0	-0.048470	*
				-13.00000	25.00000	99.75000	0.0	0.0	-0.053795	*
				-12.00000	25.00000	99.75000	0.0	0.0	-0.058630	*
				-11.00000	25.00000	99.75000	0.0	0.0	-0.062918	*
				-10.00000	25.00000	99.75000	0.0	0.0	-0.066612	*
				-9.00000	25.00000	99.75000	0.0	0.0	-0.069682	*
				-8.00000	25.00000	99.75000	0.0	0.0	-0.072113	*
				-7.00000	25.00000	99.75000	0.0	0.0	-0.073905	*
				-6.00000	25.00000	99.75000	0.0	0.0	-0.075073	*
				-5.00000	25.00000	99.75000	0.0	0.0	-0.075643	*
				-4.00000	25.00000	99.75000	0.0	0.0	-0.075655	*
				-3.00000	25.00000	99.75000	0.0	0.0	-0.075156	*
				-2.00000	25.00000	99.75000	0.0	0.0	-0.074198	*
				-1.00000	25.00000	99.75000	0.0	0.0	-0.072839	*
				0.00000	25.00000	99.75000	0.0	0.0	-0.071137	*
				1.00000	25.00000	99.75000	0.0	0.0	0.0	
				2.00000	25.00000	99.75000	0.0	0.0	0.0	
				3.00000	25.00000	99.75000	0.0	0.0	0.0	
				4.00000	25.00000	99.75000	0.0	0.0	0.0	
				5.00000	25.00000	99.75000	0.0	0.0	0.0	
				-40.00000	26.00000	99.75000	0.0	0.0	0.040239	*
				-39.00000	26.00000	99.75000	0.0	0.0	0.041060	*
				-38.00000	26.00000	99.75000	0.0	0.0	0.041660	*
				-37.00000	26.00000	99.75000	0.0	0.0	0.042003	*
				-36.00000	26.00000	99.75000	0.0	0.0	0.042049	*
				-35.00000	26.00000	99.75000	0.0	0.0	0.041763	*
				-34.00000	26.00000	99.75000	0.0	0.0	0.041109	*
				-33.00000	26.00000	99.75000	0.0	0.0	0.040059	*
				-32.00000	26.00000	99.75000	0.0	0.0	0.038589	*
				-31.00000	26.00000	99.75000	0.0	0.0	0.036681	*
				-30.00000	26.00000	99.75000	0.0	0.0	0.034325	*
				-29.00000	26.00000	99.75000	0.0	0.0	0.031519	*
				-28.00000	26.00000	99.75000	0.0	0.0	0.028271	*
				-27.00000	26.00000	99.75000	0.0	0.0	0.024595	*
				-26.00000	26.00000	99.75000	0.0	0.0	0.020514	*
				-25.00000	26.00000	99.75000	0.0	0.0	0.016057	*
				-24.00000	26.00000	99.75000	0.0	0.0	0.011262	*
				-23.00000	26.00000	99.75000	0.0	0.0	0.0061724	*
				-22.00000	26.00000	99.75000	0.0	0.0	837.95E-6	*
				-21.00000	26.00000	99.75000	0.0	0.0	-0.0046860	*
				-20.00000	26.00000	99.75000	0.0	0.0	-0.010339	*



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 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
J20089		
Drg. Ref.		
Made by AT	Date 30-Aug-2023	Checked Date

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-19.00000	26.00000	99.75000	0.0	0.0	-0.016055	*
				-18.00000	26.00000	99.75000	0.0	0.0	-0.021767	*
				-17.00000	26.00000	99.75000	0.0	0.0	-0.027401	*
				-16.00000	26.00000	99.75000	0.0	0.0	-0.032887	*
				-15.00000	26.00000	99.75000	0.0	0.0	-0.038152	*
				-14.00000	26.00000	99.75000	0.0	0.0	-0.043127	*
				-13.00000	26.00000	99.75000	0.0	0.0	-0.047748	*
				-12.00000	26.00000	99.75000	0.0	0.0	-0.051959	*
				-11.00000	26.00000	99.75000	0.0	0.0	-0.055712	*
				-10.00000	26.00000	99.75000	0.0	0.0	-0.058969	*
				-9.00000	26.00000	99.75000	0.0	0.0	-0.061704	*
				-8.00000	26.00000	99.75000	0.0	0.0	-0.063904	*
				-7.00000	26.00000	99.75000	0.0	0.0	-0.065567	*
				-6.00000	26.00000	99.75000	0.0	0.0	-0.066702	*
				-5.00000	26.00000	99.75000	0.0	0.0	-0.067331	*
				-4.00000	26.00000	99.75000	0.0	0.0	-0.067481	*
				-3.00000	26.00000	99.75000	0.0	0.0	-0.067191	*
				-2.00000	26.00000	99.75000	0.0	0.0	-0.066500	*
				-1.00000	26.00000	99.75000	0.0	0.0	-0.065454	*
				0.00000	26.00000	99.75000	0.0	0.0	-0.064102	*
				1.00000	26.00000	99.75000	0.0	0.0	0.0	
				2.00000	26.00000	99.75000	0.0	0.0	0.0	
				3.00000	26.00000	99.75000	0.0	0.0	0.0	
				4.00000	26.00000	99.75000	0.0	0.0	0.0	
				5.00000	26.00000	99.75000	0.0	0.0	0.0	
				-40.00000	27.00000	99.75000	0.0	0.0	0.035862	*
				-39.00000	27.00000	99.75000	0.0	0.0	0.036458	*
				-38.00000	27.00000	99.75000	0.0	0.0	0.036853	*
				-37.00000	27.00000	99.75000	0.0	0.0	0.037017	*
				-36.00000	27.00000	99.75000	0.0	0.0	0.036918	*
				-35.00000	27.00000	99.75000	0.0	0.0	0.036527	*
				-34.00000	27.00000	99.75000	0.0	0.0	0.035818	*
				-33.00000	27.00000	99.75000	0.0	0.0	0.034767	*
				-32.00000	27.00000	99.75000	0.0	0.0	0.033356	*
				-31.00000	27.00000	99.75000	0.0	0.0	0.031572	*
				-30.00000	27.00000	99.75000	0.0	0.0	0.029407	*
				-29.00000	27.00000	99.75000	0.0	0.0	0.026862	*
				-28.00000	27.00000	99.75000	0.0	0.0	0.023943	*
				-27.00000	27.00000	99.75000	0.0	0.0	0.020662	*
				-26.00000	27.00000	99.75000	0.0	0.0	0.017041	*
				-25.00000	27.00000	99.75000	0.0	0.0	0.013104	*
				-24.00000	27.00000	99.75000	0.0	0.0	0.0088845	*
				-23.00000	27.00000	99.75000	0.0	0.0	0.0044197	*
				-22.00000	27.00000	99.75000	0.0	0.0	-247.63E-6	*
				-21.00000	27.00000	99.75000	0.0	0.0	-0.0050698	*
				-20.00000	27.00000	99.75000	0.0	0.0	-0.0099951	*
				-19.00000	27.00000	99.75000	0.0	0.0	-0.014968	*
				-18.00000	27.00000	99.75000	0.0	0.0	-0.019931	*
				-17.00000	27.00000	99.75000	0.0	0.0	-0.024823	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-16.00000	27.00000	99.75000	0.0	0.0	-0.029585	*
				-15.00000	27.00000	99.75000	0.0	0.0	-0.034157	*
				-14.00000	27.00000	99.75000	0.0	0.0	-0.038482	*
				-13.00000	27.00000	99.75000	0.0	0.0	-0.042509	*
				-12.00000	27.00000	99.75000	0.0	0.0	-0.046190	*
				-11.00000	27.00000	99.75000	0.0	0.0	-0.049486	*
				-10.00000	27.00000	99.75000	0.0	0.0	-0.052365	*
				-9.00000	27.00000	99.75000	0.0	0.0	-0.054806	*
				-8.00000	27.00000	99.75000	0.0	0.0	-0.056796	*
				-7.00000	27.00000	99.75000	0.0	0.0	-0.058333	*
				-6.00000	27.00000	99.75000	0.0	0.0	-0.059422	*
				-5.00000	27.00000	99.75000	0.0	0.0	-0.060080	*
				-4.00000	27.00000	99.75000	0.0	0.0	-0.060327	*
				-3.00000	27.00000	99.75000	0.0	0.0	-0.060193	*
				-2.00000	27.00000	99.75000	0.0	0.0	-0.059709	*
				-1.00000	27.00000	99.75000	0.0	0.0	-0.058912	*
				0.00000	27.00000	99.75000	0.0	0.0	-0.057840	*
				1.00000	27.00000	99.75000	0.0	0.0	0.0	
				2.00000	27.00000	99.75000	0.0	0.0	0.0	
				3.00000	27.00000	99.75000	0.0	0.0	0.0	
				4.00000	27.00000	99.75000	0.0	0.0	0.0	
				5.00000	27.00000	99.75000	0.0	0.0	0.0	
				-40.00000	28.00000	99.75000	0.0	0.0	0.031983	*
				-39.00000	28.00000	99.75000	0.0	0.0	0.032400	*
				-38.00000	28.00000	99.75000	0.0	0.0	0.032636	*
				-37.00000	28.00000	99.75000	0.0	0.0	0.032663	*
				-36.00000	28.00000	99.75000	0.0	0.0	0.032458	*
				-35.00000	28.00000	99.75000	0.0	0.0	0.031998	*
				-34.00000	28.00000	99.75000	0.0	0.0	0.031260	*
				-33.00000	28.00000	99.75000	0.0	0.0	0.030226	*
				-32.00000	28.00000	99.75000	0.0	0.0	0.028884	*
				-31.00000	28.00000	99.75000	0.0	0.0	0.027222	*
				-30.00000	28.00000	99.75000	0.0	0.0	0.025236	*
				-29.00000	28.00000	99.75000	0.0	0.0	0.022927	*
				-28.00000	28.00000	99.75000	0.0	0.0	0.020300	*
				-27.00000	28.00000	99.75000	0.0	0.0	0.017369	*
				-26.00000	28.00000	99.75000	0.0	0.0	0.014150	*
				-25.00000	28.00000	99.75000	0.0	0.0	0.010666	*
				-24.00000	28.00000	99.75000	0.0	0.0	0.0069446	*
				-23.00000	28.00000	99.75000	0.0	0.0	0.0030187	*
				-22.00000	28.00000	99.75000	0.0	0.0	-0.0010748	*
				-21.00000	28.00000	99.75000	0.0	0.0	-0.0052953	*
				-20.00000	28.00000	99.75000	0.0	0.0	-0.0095984	*
				-19.00000	28.00000	99.75000	0.0	0.0	-0.013937	*
				-18.00000	28.00000	99.75000	0.0	0.0	-0.018263	*
				-17.00000	28.00000	99.75000	0.0	0.0	-0.022524	*
				-16.00000	28.00000	99.75000	0.0	0.0	-0.026672	*
				-15.00000	28.00000	99.75000	0.0	0.0	-0.030657	*
				-14.00000	28.00000	99.75000	0.0	0.0	-0.034431	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-13.00000	28.00000	99.75000	0.0	0.0	-0.037952	*
				-12.00000	28.00000	99.75000	0.0	0.0	-0.041180	*
				-11.00000	28.00000	99.75000	0.0	0.0	-0.044083	*
				-10.00000	28.00000	99.75000	0.0	0.0	-0.046635	*
				-9.00000	28.00000	99.75000	0.0	0.0	-0.048817	*
				-8.00000	28.00000	99.75000	0.0	0.0	-0.050617	*
				-7.00000	28.00000	99.75000	0.0	0.0	-0.052033	*
				-6.00000	28.00000	99.75000	0.0	0.0	-0.053068	*
				-5.00000	28.00000	99.75000	0.0	0.0	-0.053734	*
				-4.00000	28.00000	99.75000	0.0	0.0	-0.054046	*
				-3.00000	28.00000	99.75000	0.0	0.0	-0.054028	*
				-2.00000	28.00000	99.75000	0.0	0.0	-0.053704	*
				-1.00000	28.00000	99.75000	0.0	0.0	-0.053105	*
				0.00000	28.00000	99.75000	0.0	0.0	-0.052259	*
				1.00000	28.00000	99.75000	0.0	0.0	0.0	
				2.00000	28.00000	99.75000	0.0	0.0	0.0	
				3.00000	28.00000	99.75000	0.0	0.0	0.0	
				4.00000	28.00000	99.75000	0.0	0.0	0.0	
				5.00000	28.00000	99.75000	0.0	0.0	0.0	
				-40.00000	29.00000	99.75000	0.0	0.0	0.028542	*
				-39.00000	29.00000	99.75000	0.0	0.0	0.028818	*
				-38.00000	29.00000	99.75000	0.0	0.0	0.028929	*
				-37.00000	29.00000	99.75000	0.0	0.0	0.028854	*
				-36.00000	29.00000	99.75000	0.0	0.0	0.028573	*
				-35.00000	29.00000	99.75000	0.0	0.0	0.028068	*
				-34.00000	29.00000	99.75000	0.0	0.0	0.027321	*
				-33.00000	29.00000	99.75000	0.0	0.0	0.026319	*
				-32.00000	29.00000	99.75000	0.0	0.0	0.025050	*
				-31.00000	29.00000	99.75000	0.0	0.0	0.023507	*
				-30.00000	29.00000	99.75000	0.0	0.0	0.021687	*
				-29.00000	29.00000	99.75000	0.0	0.0	0.019592	*
				-28.00000	29.00000	99.75000	0.0	0.0	0.017227	*
				-27.00000	29.00000	99.75000	0.0	0.0	0.014604	*
				-26.00000	29.00000	99.75000	0.0	0.0	0.011738	*
				-25.00000	29.00000	99.75000	0.0	0.0	0.0086486	*
				-24.00000	29.00000	99.75000	0.0	0.0	0.0053601	*
				-23.00000	29.00000	99.75000	0.0	0.0	0.0019005	*
				-22.00000	29.00000	99.75000	0.0	0.0	-0.0016983	*
				-21.00000	29.00000	99.75000	0.0	0.0	-0.0054013	*
				-20.00000	29.00000	99.75000	0.0	0.0	-0.0091709	*
				-19.00000	29.00000	99.75000	0.0	0.0	-0.012967	*
				-18.00000	29.00000	99.75000	0.0	0.0	-0.016748	*
				-17.00000	29.00000	99.75000	0.0	0.0	-0.020472	*
				-16.00000	29.00000	99.75000	0.0	0.0	-0.024096	*
				-15.00000	29.00000	99.75000	0.0	0.0	-0.027580	*
				-14.00000	29.00000	99.75000	0.0	0.0	-0.030884	*
				-13.00000	29.00000	99.75000	0.0	0.0	-0.033972	*
				-12.00000	29.00000	99.75000	0.0	0.0	-0.036812	*
				-11.00000	29.00000	99.75000	0.0	0.0	-0.039377	*



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Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz	
				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-10.00000	29.00000	99.75000	0.0	0.0	-0.041643	*
				-9.00000	29.00000	99.75000	0.0	0.0	-0.043596	*
				-8.00000	29.00000	99.75000	0.0	0.0	-0.045225	*
				-7.00000	29.00000	99.75000	0.0	0.0	-0.046527	*
				-6.00000	29.00000	99.75000	0.0	0.0	-0.047503	*
				-5.00000	29.00000	99.75000	0.0	0.0	-0.048162	*
				-4.00000	29.00000	99.75000	0.0	0.0	-0.048516	*
				-3.00000	29.00000	99.75000	0.0	0.0	-0.048583	*
				-2.00000	29.00000	99.75000	0.0	0.0	-0.048383	*
				-1.00000	29.00000	99.75000	0.0	0.0	-0.047940	*
				0.00000	29.00000	99.75000	0.0	0.0	-0.047277	*
				1.00000	29.00000	99.75000	0.0	0.0	0.0	
				2.00000	29.00000	99.75000	0.0	0.0	0.0	
				3.00000	29.00000	99.75000	0.0	0.0	0.0	
				4.00000	29.00000	99.75000	0.0	0.0	0.0	
				5.00000	29.00000	99.75000	0.0	0.0	0.0	
				-40.00000	30.00000	99.75000	0.0	0.0	0.025486	*
				-39.00000	30.00000	99.75000	0.0	0.0	0.025651	*
				-38.00000	30.00000	99.75000	0.0	0.0	0.025666	*
				-37.00000	30.00000	99.75000	0.0	0.0	0.025515	*
				-36.00000	30.00000	99.75000	0.0	0.0	0.025182	*
				-35.00000	30.00000	99.75000	0.0	0.0	0.024652	*
				-34.00000	30.00000	99.75000	0.0	0.0	0.023911	*
				-33.00000	30.00000	99.75000	0.0	0.0	0.022948	*
				-32.00000	30.00000	99.75000	0.0	0.0	0.021754	*
				-31.00000	30.00000	99.75000	0.0	0.0	0.020325	*
				-30.00000	30.00000	99.75000	0.0	0.0	0.018659	*
				-29.00000	30.00000	99.75000	0.0	0.0	0.016758	*
				-28.00000	30.00000	99.75000	0.0	0.0	0.014628	*
				-27.00000	30.00000	99.75000	0.0	0.0	0.012278	*
				-26.00000	30.00000	99.75000	0.0	0.0	0.0097219	*
				-25.00000	30.00000	99.75000	0.0	0.0	0.0069774	*
				-24.00000	30.00000	99.75000	0.0	0.0	0.0040654	*
				-23.00000	30.00000	99.75000	0.0	0.0	0.0010102	*
				-22.00000	30.00000	99.75000	0.0	0.0	-0.0021608	*
				-21.00000	30.00000	99.75000	0.0	0.0	-0.0054177	*
				-20.00000	30.00000	99.75000	0.0	0.0	-0.0087282	*
				-19.00000	30.00000	99.75000	0.0	0.0	-0.012058	*
				-18.00000	30.00000	99.75000	0.0	0.0	-0.015373	*
				-17.00000	30.00000	99.75000	0.0	0.0	-0.018636	*
				-16.00000	30.00000	99.75000	0.0	0.0	-0.021813	*
				-15.00000	30.00000	99.75000	0.0	0.0	-0.024868	*
				-14.00000	30.00000	99.75000	0.0	0.0	-0.027769	*
				-13.00000	30.00000	99.75000	0.0	0.0	-0.030486	*
				-12.00000	30.00000	99.75000	0.0	0.0	-0.032991	*
				-11.00000	30.00000	99.75000	0.0	0.0	-0.035262	*
				-10.00000	30.00000	99.75000	0.0	0.0	-0.037279	*
				-9.00000	30.00000	99.75000	0.0	0.0	-0.039029	*
				-8.00000	30.00000	99.75000	0.0	0.0	-0.040504	*



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				[m]	[m]	[m]	[mm]	[mm]	[mm]	
				-7.00000	30.00000	99.75000	0.0	0.0	-0.041698	*
				-6.00000	30.00000	99.75000	0.0	0.0	-0.042613	*
				-5.00000	30.00000	99.75000	0.0	0.0	-0.043256	*
				-4.00000	30.00000	99.75000	0.0	0.0	-0.043634	*
				-3.00000	30.00000	99.75000	0.0	0.0	-0.043763	*
				-2.00000	30.00000	99.75000	0.0	0.0	-0.043658	*
				-1.00000	30.00000	99.75000	0.0	0.0	-0.043338	*
				0.00000	30.00000	99.75000	0.0	0.0	-0.042822	*
				1.00000	30.00000	99.75000	0.0	0.0	0.0	
				2.00000	30.00000	99.75000	0.0	0.0	0.0	
				3.00000	30.00000	99.75000	0.0	0.0	0.0	
				4.00000	30.00000	99.75000	0.0	0.0	0.0	
				5.00000	30.00000	99.75000	0.0	0.0	0.0	

Specific Building Damage Results - Horizontal Displacements

Stage: Ref.	Stage: Name	Name Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist.	x	y	z	δx	δy	$\delta H//$	$\delta H\text{perp.}$
					[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	-31.74200	10.69900	98.25000	0.0	0.0	0.0	0.0
					0.53328	-31.71650	11.23167	98.25000	0.0	0.0	0.0	0.0
					1.0666	-31.69100	11.76433	98.25000	0.0	0.0	0.0	0.0
					1.5998	-31.66550	12.29700	98.25000	0.0	0.0	0.0	0.0
					2.1331	-31.64000	12.82967	98.25000	0.0	0.0	0.0	0.0
					2.6664	-31.61450	13.36233	98.25000	0.0	0.0	0.0	0.0
					3.1997	-31.58900	13.89500	98.25000	0.0	0.0	0.0	0.0
		2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	-31.58900	13.89500	98.25000	0.0	0.0	0.0	0.0
					0.50397	-31.08560	13.87100	98.25000	0.0	0.0	0.0	0.0
					1.0079	-30.58220	13.84700	98.25000	0.0	0.0	0.0	0.0
					1.5119	-30.07880	13.82300	98.25000	0.0	0.0	0.0	0.0
					2.0159	-29.57540	13.79900	98.25000	0.0	0.0	0.0	0.0
					2.5199	-29.07200	13.77500	98.25000	0.0	0.0	0.0	0.0
		3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	-29.07200	13.77500	98.25000	0.0	0.0	0.0	0.0
					0.48725	-29.04869	14.26169	98.25000	0.0	0.0	0.0	0.0
					0.97449	-29.02538	14.74838	98.25000	0.0	0.0	0.0	0.0
					1.4617	-29.00206	15.23506	98.25000	0.0	0.0	0.0	0.0
					1.9490	-28.97875	15.72175	98.25000	0.0	0.0	0.0	0.0
					2.4362	-28.95544	16.20844	98.25000	0.0	0.0	0.0	0.0
					2.9235	-28.93212	16.69513	98.25000	0.0	0.0	0.0	0.0
					3.4107	-28.90881	17.18181	98.25000	0.0	0.0	0.0	0.0
					3.8980	-28.88550	17.66850	98.25000	0.0	0.0	0.0	0.0
					4.3852	-28.86219	18.15519	98.25000	0.0	0.0	0.0	0.0
					4.8725	-28.83888	18.64187	98.25000	0.0	0.0	0.0	0.0
					5.3597	-28.81556	19.12856	98.25000	0.0	0.0	0.0	0.0
					5.8469	-28.79225	19.61525	98.25000	0.0	0.0	0.0	0.0



9 Lyndhurst Terrace, London
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Stage: Ref.	Stage: Name Building: Ref.	Specific Building: Name	Sub-building Name	Dist. [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δH [mm]	$\delta H_{ perp.}$ [mm]
				6.3342	-28.76894	20.10194	98.25000	0.0	0.0	0.0	0.0
				6.8214	-28.74563	20.58863	98.25000	0.0	0.0	0.0	0.0
				7.3087	-28.72231	21.07531	98.25000	0.0	0.0	0.0	0.0
				7.7959	-28.69900	21.56200	98.25000	0.0	0.0	0.0	0.0
4		No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	-28.69900	21.56200	98.25000	0.0	0.0	0.0	0.0
				0.22097	-28.91650	21.60100	98.25000	0.0	0.0	0.0	0.0
				0.44194	-29.13400	21.64000	98.25000	0.0	0.0	0.0	0.0
5		No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	-29.13400	21.64000	98.25000	0.0	0.0	0.0	0.0
				0.52393	-29.10900	22.16333	98.25000	0.0	0.0	0.0	0.0
				1.0479	-29.08400	22.68667	98.25000	0.0	0.0	0.0	0.0
				1.5718	-29.05900	23.21000	98.25000	0.0	0.0	0.0	0.0
				2.0957	-29.03400	23.73333	98.25000	0.0	0.0	0.0	0.0
				2.6197	-29.00900	24.25667	98.25000	0.0	0.0	0.0	0.0
				3.1436	-28.98400	24.78000	98.25000	0.0	0.0	0.0	0.0
6		No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	-28.98400	24.78000	98.25000	0.0	0.0	0.0	0.0
				0.50429	-28.48029	24.75592	98.25000	0.0	0.0	0.0	0.0
				1.0086	-27.97658	24.73184	98.25000	0.0	0.0	0.0	0.0
				1.5129	-27.47287	24.70776	98.25000	0.0	0.0	0.0	0.0
				2.0171	-26.96916	24.68368	98.25000	0.0	0.0	0.0	0.0
				2.5214	-26.46545	24.65961	98.25000	0.0	0.0	0.0	0.0
				3.0257	-25.96174	24.63553	98.25000	0.0	0.0	0.0	0.0
				3.5300	-25.45803	24.61145	98.25000	0.0	0.0	0.0	0.0
				4.0343	-24.95432	24.58737	98.25000	0.0	0.0	0.0	0.0
				4.5386	-24.45061	24.56329	98.25000	0.0	0.0	0.0	0.0
				5.0429	-23.94689	24.53921	98.25000	0.0	0.0	0.0	0.0
				5.5471	-23.44318	24.51513	98.25000	0.0	0.0	0.0	0.0
				6.0514	-22.93947	24.49105	98.25000	0.0	0.0	0.0	0.0
				6.5557	-22.43576	24.46697	98.25000	0.0	0.0	0.0	0.0
				7.0600	-21.93205	24.44289	98.25000	0.0	0.0	0.0	0.0
				7.5643	-21.42834	24.41882	98.25000	0.0	0.0	0.0	0.0
				8.0686	-20.92463	24.39474	98.25000	0.0	0.0	0.0	0.0
				8.5729	-20.42092	24.37066	98.25000	0.0	0.0	0.0	0.0
				9.0771	-19.91721	24.34658	98.25000	0.0	0.0	0.0	0.0
				9.5814	-19.41350	24.32250	98.25000	0.0	0.0	0.0	0.0
				10.086	-18.90979	24.29842	98.25000	0.0	0.0	0.0	0.0
				10.590	-18.40608	24.27434	98.25000	0.0	0.0	0.0	0.0
				11.094	-17.90237	24.25026	98.25000	0.0	0.0	0.0	0.0
				11.599	-17.39866	24.22618	98.25000	0.0	0.0	0.0	0.0
				12.103	-16.89495	24.20211	98.25000	0.0	0.0	0.0	0.0
				12.607	-16.39124	24.17803	98.25000	0.0	0.0	0.0	0.0
				13.111	-15.88753	24.15395	98.25000	0.0	0.0	0.0	0.0
				13.616	-15.38382	24.12987	98.25000	0.0	0.0	0.0	0.0
				14.120	-14.88011	24.10579	98.25000	0.0	0.0	0.0	0.0
				14.624	-14.37639	24.08171	98.25000	0.0	0.0	0.0	0.0
				15.129	-13.87268	24.05763	98.25000	0.0	0.0	0.0	0.0
				15.633	-13.36897	24.03355	98.25000	0.0	0.0	0.0	0.0
				16.137	-12.86526	24.00947	98.25000	0.0	0.0	0.0	0.0
				16.641	-12.36155	23.98539	98.25000	0.0	0.0	0.0	0.0
				17.146	-11.85784	23.96132	98.25000	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name Building: Ref.	Specific Building: Name	Sub-building Name	Dist. [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δH [mm]	δH_{perp} [mm]
				17.650	-11.35413	23.93724	98.25000	0.0	0.0	0.0	0.0
				18.154	-10.85042	23.91316	98.25000	0.0	0.0	0.0	0.0
				18.659	-10.34671	23.88908	98.25000	0.0	0.0	0.0	0.0
				19.163	-9.84300	23.86500	98.25000	0.0	0.0	0.0	0.0
7		No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	-9.84300	23.86500	98.25000	0.0	0.0	0.0	0.0
				0.50701	-9.86721	23.35857	98.25000	0.0	0.0	0.0	0.0
				1.0140	-9.89143	22.85214	98.25000	0.0	0.0	0.0	0.0
				1.5210	-9.91564	22.34571	98.25000	0.0	0.0	0.0	0.0
				2.0280	-9.93986	21.83929	98.25000	0.0	0.0	0.0	0.0
				2.5350	-9.96407	21.33286	98.25000	0.0	0.0	0.0	0.0
				3.0420	-9.98829	20.82643	98.25000	0.0	0.0	0.0	0.0
				3.5490	-10.01250	20.32000	98.25000	0.0	0.0	0.0	0.0
				4.0561	-10.03671	19.81357	98.25000	0.0	0.0	0.0	0.0
				4.5631	-10.06093	19.30714	98.25000	0.0	0.0	0.0	0.0
				5.0701	-10.08514	18.80071	98.25000	0.0	0.0	0.0	0.0
				5.5771	-10.10936	18.29429	98.25000	0.0	0.0	0.0	0.0
				6.0841	-10.13357	17.78786	98.25000	0.0	0.0	0.0	0.0
				6.5911	-10.15779	17.28143	98.25000	0.0	0.0	0.0	0.0
				7.0981	-10.18200	16.77500	98.25000	0.0	0.0	0.0	0.0
				7.6051	-10.20621	16.26857	98.25000	0.0	0.0	0.0	0.0
				8.1121	-10.23043	15.76214	98.25000	0.0	0.0	0.0	0.0
				8.6191	-10.25464	15.25571	98.25000	0.0	0.0	0.0	0.0
				9.1261	-10.27886	14.74929	98.25000	0.0	0.0	0.0	0.0
				9.6331	-10.30307	14.24286	98.25000	0.0	0.0	0.0	0.0
				10.140	-10.32729	13.73643	98.25000	0.0	0.0	0.0	0.0
				10.647	-10.35150	13.23000	98.25000	0.0	0.0	0.0	0.0
				11.154	-10.37571	12.72357	98.25000	0.0	0.0	0.0	0.0
				11.661	-10.39993	12.21714	98.25000	0.0	0.0	0.0	0.0
				12.168	-10.42414	11.71071	98.25000	0.0	0.0	0.0	0.0
				12.675	-10.44836	11.20429	98.25000	0.0	0.0	0.0	0.0
				13.182	-10.47257	10.69786	98.25000	0.0	0.0	0.0	0.0
				13.689	-10.49679	10.19143	98.25000	0.0	0.0	0.0	0.0
8		No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	-10.52100	9.68500	98.25000	0.0	0.0	0.0	0.0
				0.50584	-11.02626	9.70914	98.25000	0.0	0.0	0.0	0.0
				1.0117	-11.53152	9.73329	98.25000	0.0	0.0	0.0	0.0
				1.5175	-12.03679	9.75743	98.25000	0.0	0.0	0.0	0.0
				2.0234	-12.54205	9.78157	98.25000	0.0	0.0	0.0	0.0
				2.5292	-13.04731	9.80571	98.25000	0.0	0.0	0.0	0.0
				3.0350	-13.55257	9.82986	98.25000	0.0	0.0	0.0	0.0
				3.5409	-14.05783	9.85400	98.25000	0.0	0.0	0.0	0.0
				4.0467	-14.56310	9.87814	98.25000	0.0	0.0	0.0	0.0
				4.5525	-15.06836	9.90229	98.25000	0.0	0.0	0.0	0.0
				5.0584	-15.57362	9.92643	98.25000	0.0	0.0	0.0	0.0
				5.5642	-16.07888	9.95057	98.25000	0.0	0.0	0.0	0.0
				6.0701	-16.58414	9.97471	98.25000	0.0	0.0	0.0	0.0
				6.5759	-17.08940	9.99886	98.25000	0.0	0.0	0.0	0.0
				7.0817	-17.59467	10.02300	98.25000	0.0	0.0	0.0	0.0
				7.5876	-18.09993	10.04714	98.25000	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist.	x	y	z	δx	δy	δH//	δHперп.
					[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
					8.0934	-18.60519	10.07129	98.25000	0.0	0.0	0.0	0.0
					8.5993	-19.11045	10.09543	98.25000	0.0	0.0	0.0	0.0
					9.1051	-19.61571	10.11957	98.25000	0.0	0.0	0.0	0.0
					9.6109	-20.12098	10.14371	98.25000	0.0	0.0	0.0	0.0
					10.117	-20.62624	10.16786	98.25000	0.0	0.0	0.0	0.0
					10.623	-21.13150	10.19200	98.25000	0.0	0.0	0.0	0.0
					11.128	-21.63676	10.21614	98.25000	0.0	0.0	0.0	0.0
					11.634	-22.14202	10.24029	98.25000	0.0	0.0	0.0	0.0
					12.140	-22.64729	10.26443	98.25000	0.0	0.0	0.0	0.0
					12.646	-23.15255	10.28857	98.25000	0.0	0.0	0.0	0.0
					13.152	-23.65781	10.31271	98.25000	0.0	0.0	0.0	0.0
					13.658	-24.16307	10.33686	98.25000	0.0	0.0	0.0	0.0
					14.163	-24.66833	10.36100	98.25000	0.0	0.0	0.0	0.0
					14.669	-25.17360	10.38514	98.25000	0.0	0.0	0.0	0.0
					15.175	-25.67886	10.40929	98.25000	0.0	0.0	0.0	0.0
					15.681	-26.18412	10.43343	98.25000	0.0	0.0	0.0	0.0
					16.187	-26.68938	10.45757	98.25000	0.0	0.0	0.0	0.0
					16.693	-27.19464	10.48171	98.25000	0.0	0.0	0.0	0.0
					17.199	-27.69990	10.50586	98.25000	0.0	0.0	0.0	0.0
					17.704	-28.20517	10.53000	98.25000	0.0	0.0	0.0	0.0
					18.210	-28.71043	10.55414	98.25000	0.0	0.0	0.0	0.0
					18.716	-29.21569	10.57829	98.25000	0.0	0.0	0.0	0.0
					19.222	-29.72095	10.60243	98.25000	0.0	0.0	0.0	0.0
					19.728	-30.22621	10.62657	98.25000	0.0	0.0	0.0	0.0
					20.234	-30.73148	10.65071	98.25000	0.0	0.0	0.0	0.0
					20.739	-31.23674	10.67486	98.25000	0.0	0.0	0.0	0.0
					21.245	-31.74200	10.69900	98.25000	0.0	0.0	0.0	0.0
	9		No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	-20.99000	-4.35700	96.40000	-0.39392	0.30972	-0.39274	0.31121
					1.0235	-19.96650	-4.35313	96.40000	0.0	0.24688	934.67E-6	0.24687
					2.0470	-18.94300	-4.34925	96.40000	0.0	0.25075	949.34E-6	0.25075
					3.0705	-17.91950	-4.34537	96.40000	0.0	0.25463	964.01E-6	0.25462
					4.0940	-16.89600	-4.34150	96.40000	0.0	0.25850	978.68E-6	0.25850
					5.1175	-15.87250	-4.33763	96.40000	0.0	0.26238	993.35E-6	0.26237
					6.1410	-14.84900	-4.33375	96.40000	0.0	0.26625	0.0010080	0.26625
					7.1646	-13.82550	-4.32987	96.40000	0.0	0.27013	0.0010227	0.27012
					8.1881	-12.80200	-4.32600	96.40000	0.0	0.27400	0.0010374	0.27400
	10		No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	-12.70200	-4.32600	96.40000	0.0	0.27400	-0.27400	303.21E-6
					1.0844	-12.70080	-5.41040	96.40000	0.0	0.0	0.0	0.0
					2.1688	-12.69960	-6.49480	96.40000	0.0	0.0	0.0	0.0
					3.2532	-12.69840	-7.57920	96.40000	0.0	0.0	0.0	0.0
					4.3376	-12.69720	-8.66360	96.40000	0.0	0.0	0.0	0.0
					5.4220	-12.69600	-9.74800	96.40000	0.0	0.0	0.0	0.0
	11		No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	-12.69600	-9.84800	96.40000	0.0	0.0	0.0	0.0
					0.93500	-11.76100	-9.84800	96.40000	0.0	0.0	0.0	0.0
					1.8700	-10.82600	-9.84800	96.40000	0.0	0.0	0.0	0.0
					2.8050	-9.89100	-9.84800	96.40000	0.0	0.0	0.0	0.0
	12		No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	-9.89100	-9.84800	96.40000	0.0	0.0	0.0	0.0
					0.95449	-9.87383	-10.90233	96.40000	0.0	0.0	0.0	0.0
					1.9090	-9.85667	-11.85667	96.40000	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist. [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δH [mm]	$\delta H_{\text{перп}}$ [mm]
					2.8635	-9.83950	-12.81100	96.40000	0.0	0.0	0.0	0.0
					3.8180	-9.82233	-13.76533	96.40000	0.0	0.0	0.0	0.0
					4.7724	-9.80517	-14.71967	96.40000	0.0	0.0	0.0	0.0
					5.7269	-9.78800	-15.67400	96.40000	0.0	0.0	0.0	0.0
13			No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	-9.78800	-15.77400	96.40000	0.0	0.0	0.0	0.0
					0.98400	-10.77200	-15.77400	96.40000	0.0	0.0	0.0	0.0
					1.9680	-11.75600	-15.77400	96.40000	0.0	0.0	0.0	0.0
					2.9520	-12.74000	-15.77400	96.40000	0.0	0.0	0.0	0.0
14			No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	-12.74000	-15.87400	96.40000	0.0	0.0	0.0	0.0
					0.95107	-12.79640	-16.82340	96.40000	0.0	0.0	0.0	0.0
					1.9021	-12.85280	-17.77280	96.40000	0.0	0.0	0.0	0.0
					2.8532	-12.90920	-18.72220	96.40000	0.0	0.0	0.0	0.0
					3.8043	-12.96560	-19.67160	96.40000	0.0	0.0	0.0	0.0
					4.7554	-13.02200	-20.62100	96.40000	0.0	0.0	0.0	0.0
					5.7064	-13.07840	-21.57040	96.40000	0.0	0.0	0.0	0.0
					6.6575	-13.13480	-22.51980	96.40000	0.0	0.0	0.0	0.0
					7.6086	-13.19120	-23.46920	96.40000	0.0	0.0	0.0	0.0
					8.5597	-13.24760	-24.41860	96.40000	0.0	0.0	0.0	0.0
					9.5107	-13.30400	-25.36800	96.40000	0.0	0.0	0.0	0.0
					10.462	-13.36040	-26.31740	96.40000	0.0	0.0	0.0	0.0
					11.413	-13.41680	-27.26680	96.40000	0.0	0.0	0.0	0.0
					12.364	-13.47320	-28.21620	96.40000	0.0	0.0	0.0	0.0
					13.315	-13.52960	-29.16560	96.40000	0.0	0.0	0.0	0.0
					14.266	-13.58600	-30.11500	96.40000	0.0	0.0	0.0	0.0
15			No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	-13.58600	-30.21500	96.40000	0.0	0.0	0.0	0.0
					1.0545	-14.64010	-30.24270	96.40000	0.0	0.0	0.0	0.0
					2.1089	-15.69420	-30.27040	96.40000	0.0	0.0	0.0	0.0
					3.1634	-16.74830	-30.29810	96.40000	0.0	0.0	0.0	0.0
					4.2179	-17.80240	-30.32580	96.40000	0.0	0.0	0.0	0.0
					5.2723	-18.85650	-30.35350	96.40000	0.0	0.0	0.0	0.0
					6.3268	-19.91060	-30.38120	96.40000	0.0	0.0	0.0	0.0
					7.3812	-20.96470	-30.40890	96.40000	0.0	0.0	0.0	0.0
					8.4357	-22.01880	-30.43660	96.40000	0.0	0.0	0.0	0.0
					9.4902	-23.07290	-30.46430	96.40000	0.0	0.0	0.0	0.0
					10.545	-24.12700	-30.49200	96.40000	0.0	0.0	0.0	0.0
16			No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	-24.22700	-30.49200	96.40000	0.0	0.0	0.0	0.0
					1.0190	-24.23400	-29.47300	96.40000	0.0	0.0	0.0	0.0
					2.0380	-24.24100	-28.45400	96.40000	0.0	0.0	0.0	0.0
17			No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	-24.34100	-28.45400	96.40000	0.0	0.0	0.0	0.0
					0.72952	-25.07050	-28.46000	96.40000	0.0	0.0	0.0	0.0
					1.4590	-25.80000	-28.46600	96.40000	0.0	0.0	0.0	0.0
18			No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	-25.90000	-28.46600	96.40000	0.0	0.0	0.0	0.0
					1.3465	-25.90950	-27.11950	96.40000	0.0	0.0	0.0	0.0
					2.6931	-25.91900	-25.77300	96.40000	0.0	0.0	0.0	0.0
19			No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	-25.81900	-25.77300	96.40000	0.0	0.0	0.0	0.0
					0.72952	-25.08950	-25.76700	96.40000	0.0	0.0	0.0	0.0
					1.4590	-24.36000	-25.76100	96.40000	0.0	0.0	0.0	0.0
20			No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	-24.26000	-25.76100	96.40000	0.0	0.0	0.0	0.0
					0.99331	-24.26700	-24.76771	96.40000	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist.	x	y	z	δx	δy	$\delta H//$	$\delta H_{ perp.}$	
						[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
					1.9866	-24.27400	-23.77443	96.40000	0.0	0.0	0.0	0.0	
					2.9799	-24.28100	-22.78114	96.40000	0.0	0.0	0.0	0.0	
					3.9732	-24.28800	-21.78786	96.40000	0.0	0.0	0.0	0.0	
					4.9666	-24.29500	-20.79457	96.40000	0.0	0.0	0.0	0.0	
					5.9599	-24.30200	-19.80129	96.40000	0.0	0.0	0.0	0.0	
					6.9532	-24.30900	-18.80800	96.40000	0.0	0.0	0.0	0.0	
21			No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	-24.30900	-18.70800	96.40000	0.0	0.0	0.0	0.0	
					0.92900	-25.23800	-18.70800	96.40000	0.0	0.0	0.0	0.0	
					1.8580	-26.16700	-18.70800	96.40000	0.0	0.0	0.0	0.0	
22			No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	-26.26700	-18.70800	96.40000	0.0	0.0	0.0	0.0	
					0.84069	-26.76633	-18.03167	96.40000	0.0	0.0	0.0	0.0	
					1.6814	-27.26567	-17.35533	96.40000	0.0	0.0	0.0	0.0	
					2.5221	-27.76500	-16.67900	96.40000	0.0	0.0	0.0	0.0	
23			No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	-27.76500	-16.57900	96.40000	0.0	0.0	0.0	0.0	
					1.0829	-27.72513	-15.49688	96.40000	0.0	0.0	0.0	0.0	
					2.1657	-27.68525	-14.41475	96.40000	0.0	0.0	0.0	0.0	
					3.2486	-27.64538	-13.33263	96.40000	0.0	0.0	0.0	0.0	
					4.3314	-27.60550	-12.25050	96.40000	0.0	0.0	0.0	0.0	
					5.4143	-27.56563	-11.16838	96.40000	0.0	0.0	0.0	0.0	
					6.4972	-27.52575	-10.08625	96.40000	0.0	0.0	0.0	0.0	
					7.5800	-27.48588	-9.00413	96.40000	0.0	0.0	0.0	0.0	
					8.6629	-27.44600	-7.92200	96.40000	0.0	0.0	0.0	0.0	
24			No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	-27.44600	-7.82200	96.40000	0.0	0.0	0.0	0.0	
					0.58950	-26.85650	-7.82150	96.40000	0.0	0.0	0.0	0.0	
					1.1790	-26.26700	-7.82100	96.40000	0.0	0.0	0.0	0.0	
25			No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	-26.16700	-7.82100	96.40000	0.0	0.0	0.0	0.0	
					0.093000	-26.16710	-7.72800	96.40000	0.0	0.0	0.0	0.0	
					0.18600	-26.16720	-7.63500	96.40000	0.0	0.0	0.0	0.0	
					0.27900	-26.16730	-7.54200	96.40000	0.0	0.0	0.0	0.0	
					0.37200	-26.16740	-7.44900	96.40000	0.0	0.0	0.0	0.0	
					0.46500	-26.16750	-7.35600	96.40000	0.0	0.0	0.0	0.0	
					0.55800	-26.16760	-7.26300	96.40000	0.0	0.0	0.0	0.0	
					0.65100	-26.16770	-7.17000	96.40000	0.0	0.0	0.0	0.0	
					0.74400	-26.16780	-7.07700	96.40000	0.0	0.0	0.0	0.0	
					0.83700	-26.16790	-6.98400	96.40000	0.0	0.0	0.0	0.0	
					0.93000	-26.16800	-6.89100	96.40000	0.0	0.0	0.0	0.0	
26			No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	-26.06800	-6.89100	96.40000	0.0	0.0	0.0	0.0	
					0.98871	-25.07929	-6.89000	96.40000	0.0	0.0	0.0	0.0	
					1.9774	-24.09057	-6.88900	96.40000	0.0	0.0	0.0	0.0	
					2.9661	-23.10186	-6.88800	96.40000	0.0	0.0	0.0	0.0	
					3.9549	-22.11314	-6.88700	96.40000	0.0	0.0	0.0	0.0	
					4.9436	-21.12443	-6.88600	96.40000	0.0	0.0	0.0	0.0	
					5.9323	-20.13571	-6.88500	96.40000	0.0	0.0	0.0	0.0	
					6.9210	-19.14700	-6.88400	96.40000	0.0	0.0	0.0	0.0	
27			No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	-19.04700	-6.88400	96.40000	0.0	0.0	0.0	0.0	
					0.11840	-19.04700	-6.76560	96.40000	0.0	0.0	0.0	0.0	
					0.23680	-19.04700	-6.64720	96.40000	0.0	0.0	0.0	0.0	
					0.35520	-19.04700	-6.52880	96.40000	0.0	0.0	0.0	0.0	
					0.47360	-19.04700	-6.41040	96.40000	0.0	0.0	0.0	0.0	



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Stage: Ref.	Name Building: Ref.	Specific Building: Name	Sub-building Name	Dist.	x	y	z	δx	δy	δH//	δH perp.
				[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
				0.59200	-19.04700	-6.29200	96.40000	0.0	0.0	0.0	0.0
				0.71040	-19.04700	-6.17360	96.40000	0.0	0.0	0.0	0.0
				0.82880	-19.04700	-6.05520	96.40000	0.0	0.0	0.0	0.0
				0.94720	-19.04700	-5.93680	96.40000	0.0	0.0	0.0	0.0
				1.0656	-19.04700	-5.81840	96.40000	0.0	0.0	0.0	0.0
				1.1840	-19.04700	-5.70000	96.40000	0.0	0.0	0.0	0.0
	28	No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	-19.14700	-5.70000	96.40000	0.0	0.0	0.0	0.0
				0.18430	-19.33130	-5.70000	96.40000	0.0	0.0	0.0	0.0
				0.36860	-19.51560	-5.70000	96.40000	0.0	0.0	0.0	0.0
				0.55290	-19.69990	-5.70000	96.40000	0.0	0.0	0.0	0.0
				0.73720	-19.88420	-5.70000	96.40000	0.0	0.0	0.0	0.0
				0.92150	-20.06850	-5.70000	96.40000	0.0	0.0	0.0	0.0
				1.1058	-20.25280	-5.70000	96.40000	0.0	0.0	0.0	0.0
				1.2901	-20.43710	-5.70000	96.40000	0.0	0.0	0.0	0.0
				1.4744	-20.62140	-5.70000	96.40000	0.0	0.0	0.0	0.0
				1.6587	-20.80570	-5.70000	96.40000	0.0	0.0	0.0	0.0
				1.8430	-20.99000	-5.70000	96.40000	0.0	0.0	0.0	0.0
	29	No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	-21.09000	-5.70000	96.40000	0.0	0.0	0.0	0.0
				0.13430	-21.09000	-5.56570	96.40000	0.0	0.0	0.0	0.0
				0.26860	-21.09000	-5.43140	96.40000	0.0	0.0	0.0	0.0
				0.40290	-21.09000	-5.29710	96.40000	-0.015057	0.018690	0.018690	0.015057
				0.53720	-21.09000	-5.16280	96.40000	-0.064747	0.069087	0.069087	0.064747
				0.67150	-21.09000	-5.02850	96.40000	-0.12013	0.10793	0.10793	0.12013
				0.80580	-21.09000	-4.89420	96.40000	-0.18146	0.13369	0.13369	0.18146
				0.94010	-21.09000	-4.75990	96.40000	-0.24854	0.14499	0.14499	0.24854
				1.0744	-21.09000	-4.62560	96.40000	-0.32047	0.14095	0.14095	0.32047
				1.2087	-21.09000	-4.49130	96.40000	-0.39523	0.23032	0.23032	0.39523
				1.3430	-21.09000	-4.35700	96.40000	-0.46933	0.33148	0.33148	0.46933
	30	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	-24.32700	-30.49200	96.40000	0.0	0.0	0.0	0.0
				0.95720	-25.28300	-30.44414	96.40000	0.0	0.0	0.0	0.0
				1.9144	-26.23900	-30.39629	96.40000	0.0	0.0	0.0	0.0
				2.8716	-27.19500	-30.34843	96.40000	0.0	0.0	0.0	0.0
				3.8288	-28.15100	-30.30057	96.40000	0.0	0.0	0.0	0.0
				4.7860	-29.10700	-30.25271	96.40000	0.0	0.0	0.0	0.0
				5.7432	-30.06300	-30.20486	96.40000	0.0	0.0	0.0	0.0
				6.7004	-31.01900	-30.15700	96.40000	0.0	0.0	0.0	0.0
	31	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	-31.11900	-30.15700	96.40000	0.0	0.0	0.0	0.0
				0.98917	-31.11825	-29.16783	96.40000	0.0	0.0	0.0	0.0
				1.9783	-31.11750	-28.17867	96.40000	0.0	0.0	0.0	0.0
				2.9675	-31.11675	-27.18950	96.40000	0.0	0.0	0.0	0.0
				3.9567	-31.11600	-26.20033	96.40000	0.0	0.0	0.0	0.0
				4.9458	-31.11525	-25.21117	96.40000	0.0	0.0	0.0	0.0
				5.9350	-31.11450	-24.22200	96.40000	0.0	0.0	0.0	0.0
				6.9242	-31.11375	-23.23283	96.40000	0.0	0.0	0.0	0.0
				7.9133	-31.11300	-22.24367	96.40000	0.0	0.0	0.0	0.0
				8.9025	-31.11225	-21.25450	96.40000	0.0	0.0	0.0	0.0
				9.8917	-31.11150	-20.26533	96.40000	0.0	0.0	0.0	0.0
				10.881	-31.11075	-19.27617	96.40000	0.0	0.0	0.0	0.0
				11.870	-31.11000	-18.28700	96.40000	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist.	x	y	z	δx	δy	δH//	δHперп.
					[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
					12.859	-31.10925	-17.29783	96.40000	0.0	0.0	0.0	0.0
					13.848	-31.10850	-16.30867	96.40000	0.0	0.0	0.0	0.0
					14.838	-31.10775	-15.31950	96.40000	0.0	0.0	0.0	0.0
					15.827	-31.10700	-14.33033	96.40000	0.0	0.0	0.0	0.0
					16.816	-31.10625	-13.34117	96.40000	0.0	0.0	0.0	0.0
					17.805	-31.10550	-12.35200	96.40000	0.0	0.0	0.0	0.0
					18.794	-31.10475	-11.36283	96.40000	0.0	0.0	0.0	0.0
					19.783	-31.10400	-10.37367	96.40000	0.0	0.0	0.0	0.0
					20.773	-31.10325	-9.38450	96.40000	0.0	0.0	0.0	0.0
					21.762	-31.10250	-8.39533	96.40000	0.0	0.0	0.0	0.0
					22.751	-31.10175	-7.40617	96.40000	0.0	0.0	0.0	0.0
					23.740	-31.10100	-6.41700	96.40000	0.0	0.0	0.0	0.0
	32		No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	-31.00100	-6.41700	96.40000	0.0	0.0	0.0	0.0
					0.96533	-30.03740	-6.35920	96.40000	0.0	0.0	0.0	0.0
					1.9307	-29.07380	-6.30140	96.40000	0.0	0.0	0.0	0.0
					2.8960	-28.11020	-6.24360	96.40000	0.0	0.0	0.0	0.0
					3.8613	-27.14660	-6.18580	96.40000	0.0	0.0	0.0	0.0
					4.8267	-26.18300	-6.12800	96.40000	0.0	0.0	0.0	0.0
	33		No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	-26.08300	-6.12800	96.40000	0.0	0.0	0.0	0.0
					0.98234	-25.10440	-6.04240	96.40000	0.0	0.0	0.0	0.0
					1.9647	-24.12580	-5.95680	96.40000	0.0	0.0	0.0	0.0
					2.9470	-23.14720	-5.87120	96.40000	0.0	0.0	0.0	0.0
					3.9293	-22.16860	-5.78560	96.40000	0.0	0.0	0.0	0.0
					4.9117	-21.19000	-5.70000	96.40000	0.0	0.0	0.0	0.0
	34		Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	-1.00000	-40.00000	99.25000	0.0	0.0	0.0	0.0
					1.0000	-1.00000	-39.00000	99.25000	0.0	0.0	0.0	0.0
					2.0000	-1.00000	-38.00000	99.25000	0.0	0.0	0.0	0.0
					3.0000	-1.00000	-37.00000	99.25000	0.0	0.0	0.0	0.0
					4.0000	-1.00000	-36.00000	99.25000	0.0	0.0	0.0	0.0
					5.0000	-1.00000	-35.00000	99.25000	0.0	0.0	0.0	0.0
					6.0000	-1.00000	-34.00000	99.25000	0.0	0.0	0.0	0.0
					7.0000	-1.00000	-33.00000	99.25000	0.0	0.0	0.0	0.0
					8.0000	-1.00000	-32.00000	99.25000	0.0	0.0	0.0	0.0
					9.0000	-1.00000	-31.00000	99.25000	0.0	0.0	0.0	0.0
					10.0000	-1.00000	-30.00000	99.25000	0.0	0.0	0.0	0.0
					11.0000	-1.00000	-29.00000	99.25000	0.0	0.0	0.0	0.0
					12.0000	-1.00000	-28.00000	99.25000	0.0	0.0	0.0	0.0
					13.0000	-1.00000	-27.00000	99.25000	0.0	0.0	0.0	0.0
					14.0000	-1.00000	-26.00000	99.25000	0.0	0.0	0.0	0.0
					15.0000	-1.00000	-25.00000	99.25000	0.0	0.0	0.0	0.0
					16.0000	-1.00000	-24.00000	99.25000	0.0	0.0	0.0	0.0
					17.0000	-1.00000	-23.00000	99.25000	0.0	0.0	0.0	0.0
					18.0000	-1.00000	-22.00000	99.25000	0.0	0.0	0.0	0.0
					19.0000	-1.00000	-21.00000	99.25000	0.0	0.0	0.0	0.0
					20.0000	-1.00000	-20.00000	99.25000	0.0	0.0	0.0	0.0
					21.0000	-1.00000	-19.00000	99.25000	0.0	0.0	0.0	0.0
					22.0000	-1.00000	-18.00000	99.25000	0.0	0.0	0.0	0.0
					23.0000	-1.00000	-17.00000	99.25000	0.0	0.0	0.0	0.0
					24.0000	-1.00000	-16.00000	99.25000	0.0	0.0	0.0	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Dist.	x	y	z	δx	δy	$\delta H //$	$\delta H_{\text{perp.}}$
					[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
					25.000	-1.00000	-15.00000	99.25000	0.0	0.0	0.0	0.0
					26.000	-1.00000	-14.00000	99.25000	0.0	0.0	0.0	0.0
					27.000	-1.00000	-13.00000	99.25000	0.0	0.0	0.0	0.0
					28.000	-1.00000	-12.00000	99.25000	0.0	0.0	0.0	0.0
					29.000	-1.00000	-11.00000	99.25000	0.0	0.0	0.0	0.0
					30.000	-1.00000	-10.00000	99.25000	0.0	0.0	0.0	0.0
					31.000	-1.00000	-9.00000	99.25000	0.0	0.0	0.0	0.0
					32.000	-1.00000	-8.00000	99.25000	0.0	0.0	0.0	0.0
					33.000	-1.00000	-7.00000	99.25000	0.0	0.0	0.0	0.0
					34.000	-1.00000	-6.00000	99.25000	0.0	0.0	0.0	0.0
					35.000	-1.00000	-5.00000	99.25000	0.0	0.0	0.0	0.0
					36.000	-1.00000	-4.00000	99.25000	0.0	0.0	0.0	0.0
					37.000	-1.00000	-3.00000	99.25000	0.0	0.0	0.0	0.0
					38.000	-1.00000	-2.00000	99.25000	0.0	0.0	0.0	0.0
					39.000	-1.00000	-1.00000	99.25000	0.0	0.0	0.0	0.0
					40.000	-1.00000	0.00000	99.25000	0.0	0.0	0.0	0.0
					41.000	-1.00000	1.00000	99.25000	0.0	0.0	0.0	0.0
					42.000	-1.00000	2.00000	99.25000	0.0	0.0	0.0	0.0
					43.000	-1.00000	3.00000	99.25000	0.0	0.0	0.0	0.0
					44.000	-1.00000	4.00000	99.25000	0.0	0.0	0.0	0.0
					45.000	-1.00000	5.00000	99.25000	0.0	0.0	0.0	0.0
					46.000	-1.00000	6.00000	99.25000	0.0	0.0	0.0	0.0
					47.000	-1.00000	7.00000	99.25000	0.0	0.0	0.0	0.0
					48.000	-1.00000	8.00000	99.25000	0.0	0.0	0.0	0.0
					49.000	-1.00000	9.00000	99.25000	0.0	0.0	0.0	0.0
					50.000	-1.00000	10.00000	99.25000	0.0	0.0	0.0	0.0
					51.000	-1.00000	11.00000	99.25000	0.0	0.0	0.0	0.0
					52.000	-1.00000	12.00000	99.25000	0.0	0.0	0.0	0.0
					53.000	-1.00000	13.00000	99.25000	0.0	0.0	0.0	0.0
					54.000	-1.00000	14.00000	99.25000	0.0	0.0	0.0	0.0
					55.000	-1.00000	15.00000	99.25000	0.0	0.0	0.0	0.0
					56.000	-1.00000	16.00000	99.25000	0.0	0.0	0.0	0.0
					57.000	-1.00000	17.00000	99.25000	0.0	0.0	0.0	0.0
					58.000	-1.00000	18.00000	99.25000	0.0	0.0	0.0	0.0
					59.000	-1.00000	19.00000	99.25000	0.0	0.0	0.0	0.0
					60.000	-1.00000	20.00000	99.25000	0.0	0.0	0.0	0.0
					61.000	-1.00000	21.00000	99.25000	0.0	0.0	0.0	0.0
					62.000	-1.00000	22.00000	99.25000	0.0	0.0	0.0	0.0
					63.000	-1.00000	23.00000	99.25000	0.0	0.0	0.0	0.0
					64.000	-1.00000	24.00000	99.25000	0.0	0.0	0.0	0.0
					65.000	-1.00000	25.00000	99.25000	0.0	0.0	0.0	0.0
					66.000	-1.00000	26.00000	99.25000	0.0	0.0	0.0	0.0
					67.000	-1.00000	27.00000	99.25000	0.0	0.0	0.0	0.0
					68.000	-1.00000	28.00000	99.25000	0.0	0.0	0.0	0.0
					69.000	-1.00000	29.00000	99.25000	0.0	0.0	0.0	0.0
					70.000	-1.00000	30.00000	99.25000	0.0	0.0	0.0	0.0



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Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist. [m]	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δH// [mm]	δHperp. [mm]
Specific Building Damage Results - Vertical Displacements												
Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset [m]	Dist. [m]	x [m]	y [m]	z [m]	δz [mm]		
0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0	0.0	-31.74200	10.69900	98.25000	0.0		
						0.53328	-31.71650	11.23167	98.25000	0.0		
						1.0666	-31.69100	11.76433	98.25000	0.0		
						1.5998	-31.66550	12.29700	98.25000	0.0		
						2.1331	-31.64000	12.82967	98.25000	0.0		
						2.6664	-31.61450	13.36233	98.25000	0.0		
						3.1997	-31.58900	13.89500	98.25000	0.0		
		2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0	0.0	-31.58900	13.89500	98.25000	0.0		
						0.50397	-31.08560	13.87100	98.25000	0.0		
						1.0079	-30.58220	13.84700	98.25000	0.0		
						1.5119	-30.07880	13.82300	98.25000	0.0		
						2.0159	-29.57540	13.79900	98.25000	0.0		
						2.5199	-29.07200	13.77500	98.25000	0.0		
		3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0	0.0	-29.07200	13.77500	98.25000	0.0		
						0.48725	-29.04869	14.26169	98.25000	0.0		
						0.97449	-29.02538	14.74838	98.25000	0.0		
						1.4617	-29.00206	15.23506	98.25000	0.0		
						1.9490	-28.97875	15.72175	98.25000	0.0		
						2.4362	-28.95544	16.20844	98.25000	0.0		
						2.9235	-28.93212	16.69513	98.25000	0.0		
						3.4107	-28.90881	17.18181	98.25000	0.0		
						3.8980	-28.88550	17.66850	98.25000	0.0		
						4.3852	-28.86219	18.15519	98.25000	0.0		
						4.8725	-28.83888	18.64187	98.25000	0.0		
						5.3597	-28.81556	19.12856	98.25000	0.0		
						5.8469	-28.79225	19.61525	98.25000	0.0		
						6.3342	-28.76894	20.10194	98.25000	0.0		
						6.8214	-28.74563	20.58863	98.25000	0.0		
						7.3087	-28.72231	21.07531	98.25000	0.0		
						7.7959	-28.69900	21.56200	98.25000	0.0		
		4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0	0.0	-28.69900	21.56200	98.25000	0.0		
						0.22097	-28.91650	21.60100	98.25000	0.0		
						0.44194	-29.13400	21.64000	98.25000	0.0		
		5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0	0.0	-29.13400	21.64000	98.25000	0.0		
						0.52393	-29.10900	22.16333	98.25000	0.0		
						1.0479	-29.08400	22.68667	98.25000	0.0		
						1.5718	-29.05900	23.21000	98.25000	0.0		
						2.0957	-29.03400	23.73333	98.25000	0.0		
						2.6197	-29.00900	24.25667	98.25000	0.0		
						3.1436	-28.98400	24.78000	98.25000	0.0		
		6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0	0.0	-28.98400	24.78000	98.25000	0.0		



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[m]	[mm]
					0.50429	-28.48029	24.75592	98.25000	98.25000	0.0
					1.0086	-27.97658	24.73184	98.25000	98.25000	0.0
					1.5129	-27.47287	24.70776	98.25000	98.25000	0.0
					2.0171	-26.96916	24.68368	98.25000	98.25000	0.0
					2.5214	-26.46545	24.65961	98.25000	98.25000	0.0
					3.0257	-25.96174	24.63553	98.25000	98.25000	0.0
					3.5300	-25.45803	24.61145	98.25000	98.25000	0.0
					4.0343	-24.95432	24.58737	98.25000	98.25000	0.0
					4.5386	-24.45061	24.56329	98.25000	98.25000	0.0
					5.0429	-23.94689	24.53921	98.25000	98.25000	0.0
					5.5471	-23.44318	24.51513	98.25000	98.25000	0.0
					6.0514	-22.93947	24.49105	98.25000	98.25000	0.0
					6.5557	-22.43576	24.46697	98.25000	98.25000	0.0
					7.0600	-21.93205	24.44289	98.25000	98.25000	0.0
					7.5643	-21.42834	24.41882	98.25000	98.25000	0.0
					8.0686	-20.92463	24.39474	98.25000	98.25000	0.0
					8.5729	-20.42092	24.37066	98.25000	98.25000	0.0
					9.0771	-19.91721	24.34658	98.25000	98.25000	0.0
					9.5814	-19.41350	24.32250	98.25000	98.25000	0.0
					10.086	-18.90979	24.29842	98.25000	98.25000	0.0
					10.590	-18.40608	24.27434	98.25000	98.25000	0.0
					11.094	-17.90237	24.25026	98.25000	98.25000	0.0
					11.599	-17.39866	24.22618	98.25000	98.25000	0.0
					12.103	-16.89495	24.20211	98.25000	98.25000	0.0
					12.607	-16.39124	24.17803	98.25000	98.25000	0.0
					13.111	-15.88753	24.15395	98.25000	98.25000	0.0
					13.616	-15.38382	24.12987	98.25000	98.25000	0.0
					14.120	-14.88011	24.10579	98.25000	98.25000	0.0
					14.624	-14.37639	24.08171	98.25000	98.25000	0.0
					15.129	-13.87268	24.05763	98.25000	98.25000	0.0
					15.633	-13.36897	24.03355	98.25000	98.25000	0.0
					16.137	-12.86526	24.00947	98.25000	98.25000	0.0
					16.641	-12.36155	23.98539	98.25000	98.25000	0.0
					17.146	-11.85784	23.96132	98.25000	98.25000	0.0
					17.650	-11.35413	23.93724	98.25000	98.25000	0.0
					18.154	-10.85042	23.91316	98.25000	98.25000	0.0
					18.659	-10.34671	23.88908	98.25000	98.25000	0.0
					19.163	-9.84300	23.86500	98.25000	98.25000	0.0
	7		No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0	0.0	-9.84300	23.86500	98.25000	0.0
					0.50701	-9.86721	23.35857	98.25000	98.25000	0.0
					1.0140	-9.89143	22.85214	98.25000	98.25000	0.0
					1.5210	-9.91564	22.34571	98.25000	98.25000	0.0
					2.0280	-9.93986	21.83929	98.25000	98.25000	0.0
					2.5350	-9.96407	21.33286	98.25000	98.25000	0.0
					3.0420	-9.98829	20.82643	98.25000	98.25000	0.0
					3.5490	-10.01250	20.32000	98.25000	98.25000	0.0
					4.0561	-10.03671	19.81357	98.25000	98.25000	0.0
					4.5631	-10.06093	19.30714	98.25000	98.25000	0.0
					5.0701	-10.08514	18.80071	98.25000	98.25000	0.0



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					[m]	[m]	[m]	[m]	[m]	[mm]
					5.5771	-10.10936	18.29429	98.25000	98.25000	0.0
					6.0841	-10.13357	17.78786	98.25000	98.25000	0.0
					6.5911	-10.15779	17.28143	98.25000	98.25000	0.0
					7.0981	-10.18200	16.77500	98.25000	98.25000	0.0
					7.6051	-10.20621	16.26857	98.25000	98.25000	0.0
					8.1121	-10.23043	15.76214	98.25000	98.25000	0.0
					8.6191	-10.25464	15.25571	98.25000	98.25000	0.0
					9.1261	-10.27886	14.74929	98.25000	98.25000	0.0
					9.6331	-10.30307	14.24286	98.25000	98.25000	0.0
					10.140	-10.32729	13.73643	98.25000	98.25000	0.0
					10.647	-10.35150	13.23000	98.25000	98.25000	0.0
					11.154	-10.37571	12.72357	98.25000	98.25000	0.0
					11.661	-10.39993	12.21714	98.25000	98.25000	0.0
					12.168	-10.42414	11.71071	98.25000	98.25000	0.0
					12.675	-10.44836	11.20429	98.25000	98.25000	0.0
					13.182	-10.47257	10.69786	98.25000	98.25000	0.0
					13.689	-10.49679	10.19143	98.25000	98.25000	0.0
					14.196	-10.52100	9.68500	98.25000	98.25000	0.0
	8		No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0	0.0	-10.52100	9.68500	98.25000	0.0
					0.50584	-11.02626	9.70914	98.25000	98.25000	0.0
					1.0117	-11.53152	9.73329	98.25000	98.25000	0.0
					1.5175	-12.03679	9.75743	98.25000	98.25000	0.0
					2.0234	-12.54205	9.78157	98.25000	98.25000	0.0
					2.5292	-13.04731	9.80571	98.25000	98.25000	0.0
					3.0350	-13.55257	9.82986	98.25000	98.25000	0.0
					3.5409	-14.05783	9.85400	98.25000	98.25000	0.0
					4.0467	-14.56310	9.87814	98.25000	98.25000	0.0
					4.5525	-15.06836	9.90229	98.25000	98.25000	0.0
					5.0584	-15.57362	9.92643	98.25000	98.25000	0.0
					5.5642	-16.07888	9.95057	98.25000	98.25000	0.0
					6.0701	-16.58414	9.97471	98.25000	98.25000	0.0
					6.5759	-17.08940	9.99886	98.25000	98.25000	0.0
					7.0817	-17.59467	10.02300	98.25000	98.25000	0.0
					7.5876	-18.09993	10.04714	98.25000	98.25000	0.0
					8.0934	-18.60519	10.07129	98.25000	98.25000	0.0
					8.5993	-19.11045	10.09543	98.25000	98.25000	0.0
					9.1051	-19.61571	10.11957	98.25000	98.25000	0.0
					9.6109	-20.12098	10.14371	98.25000	98.25000	0.0
					10.117	-20.62624	10.16786	98.25000	98.25000	0.0
					10.623	-21.13150	10.19200	98.25000	98.25000	0.0
					11.128	-21.63676	10.21614	98.25000	98.25000	0.0
					11.634	-22.14202	10.24029	98.25000	98.25000	0.0
					12.140	-22.64729	10.26443	98.25000	98.25000	0.0
					12.646	-23.15255	10.28857	98.25000	98.25000	0.0
					13.152	-23.65781	10.31271	98.25000	98.25000	0.0
					13.658	-24.16307	10.33686	98.25000	98.25000	0.0
					14.163	-24.66833	10.36100	98.25000	98.25000	0.0
					14.669	-25.17360	10.38514	98.25000	98.25000	0.0
					15.175	-25.67886	10.40929	98.25000	98.25000	0.0



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					[m]	[m]	[m]	[m]	[m]	[mm]
						15.681	-26.18412	10.43343	98.25000	0.0
						16.187	-26.68938	10.45757	98.25000	0.0
						16.693	-27.19464	10.48171	98.25000	0.0
						17.199	-27.69990	10.50586	98.25000	0.0
						17.704	-28.20517	10.53000	98.25000	0.0
						18.210	-28.71043	10.55414	98.25000	0.0
						18.716	-29.21569	10.57829	98.25000	0.0
						19.222	-29.72095	10.60243	98.25000	0.0
						19.728	-30.22621	10.62657	98.25000	0.0
						20.234	-30.73148	10.65071	98.25000	0.0
						20.739	-31.23674	10.67486	98.25000	0.0
						21.245	-31.74200	10.69900	98.25000	0.0
9			No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0	0.0	-20.99000	-4.35700	96.40000	0.0
						1.0235	-19.96650	-4.35313	96.40000	0.0
						2.0470	-18.94300	-4.34925	96.40000	0.0
						3.0705	-17.91950	-4.34537	96.40000	0.0
						4.0940	-16.89600	-4.34150	96.40000	0.0
						5.1175	-15.87250	-4.33763	96.40000	0.0
						6.1410	-14.84900	-4.33375	96.40000	0.0
						7.1646	-13.82550	-4.32987	96.40000	0.0
						8.1881	-12.80200	-4.32600	96.40000	0.0
10			No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0	0.0	-12.70200	-4.32600	96.40000	0.0
						1.0844	-12.70080	-5.41040	96.40000	0.0
						2.1688	-12.69960	-6.49480	96.40000	0.0
						3.2532	-12.69840	-7.57920	96.40000	0.0
						4.3376	-12.69720	-8.66360	96.40000	0.0
						5.4220	-12.69600	-9.74800	96.40000	0.0
11			No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0	0.0	-12.69600	-9.84800	96.40000	0.0
						0.93500	-11.76100	-9.84800	96.40000	0.0
						1.8700	-10.82600	-9.84800	96.40000	0.0
						2.8050	-9.89100	-9.84800	96.40000	0.0
12			No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0	0.0	-9.89100	-9.94800	96.40000	0.0
						0.95449	-9.87383	-10.90233	96.40000	0.0
						1.9090	-9.85667	-11.85667	96.40000	0.0
						2.8635	-9.83950	-12.81100	96.40000	0.0
						3.8180	-9.82233	-13.76533	96.40000	0.0
						4.7724	-9.80517	-14.71967	96.40000	0.0
						5.7269	-9.78800	-15.67400	96.40000	0.0
13			No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0	0.0	-9.78800	-15.77400	96.40000	0.0
						0.98400	-10.77200	-15.77400	96.40000	0.0
						1.9680	-11.75600	-15.77400	96.40000	0.0
						2.9520	-12.74000	-15.77400	96.40000	0.0
14			No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0	0.0	-12.74000	-15.87400	96.40000	0.0
						0.95107	-12.79640	-16.82340	96.40000	0.0
						1.9021	-12.85280	-17.77280	96.40000	0.0
						2.8532	-12.90920	-18.72220	96.40000	0.0
						3.8043	-12.96560	-19.67160	96.40000	0.0
						4.7554	-13.02200	-20.62100	96.40000	0.0
						5.7064	-13.07840	-21.57040	96.40000	0.0



9 Lyndhurst Terrace, London
 Ground Movement Assessment
 Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[m]	[mm]
						6.6575	-13.13480	-22.51980	96.40000	0.0
						7.6086	-13.19120	-23.46920	96.40000	0.0
						8.5597	-13.24760	-24.41860	96.40000	0.0
						9.5107	-13.30400	-25.36800	96.40000	0.0
						10.462	-13.36040	-26.31740	96.40000	0.0
						11.413	-13.41680	-27.26680	96.40000	0.0
						12.364	-13.47320	-28.21620	96.40000	0.0
						13.315	-13.52960	-29.16560	96.40000	0.0
						14.266	-13.58600	-30.11500	96.40000	0.0
	15		No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0	0.0	-13.58600	-30.21500	96.40000	0.0
						1.0545	-14.64010	-30.24270	96.40000	0.0
						2.1089	-15.69420	-30.27040	96.40000	0.0
						3.1634	-16.74830	-30.29810	96.40000	0.0
						4.2179	-17.80240	-30.32580	96.40000	0.0
						5.2723	-18.85650	-30.35350	96.40000	0.0
						6.3268	-19.91060	-30.38120	96.40000	0.0
						7.3812	-20.96470	-30.40890	96.40000	0.0
						8.4357	-22.01880	-30.43660	96.40000	0.0
						9.4902	-23.07290	-30.46430	96.40000	0.0
						10.545	-24.12700	-30.49200	96.40000	0.0
	16		No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0	0.0	-24.22700	-30.49200	96.40000	0.0
						1.0190	-24.23400	-29.47300	96.40000	0.0
						2.0380	-24.24100	-28.45400	96.40000	0.0
	17		No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0	0.0	-24.34100	-28.45400	96.40000	0.0
						0.72952	-25.07050	-28.46000	96.40000	0.0
						1.4590	-25.80000	-28.46600	96.40000	0.0
	18		No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0	0.0	-25.90000	-28.46600	96.40000	0.0
						1.3465	-25.90950	-27.11950	96.40000	0.0
						2.6931	-25.91900	-25.77300	96.40000	0.0
	19		No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0	0.0	-25.81900	-25.77300	96.40000	0.0
						0.72952	-25.08950	-25.76700	96.40000	0.0
						1.4590	-24.36000	-25.76100	96.40000	0.0
	20		No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0	0.0	-24.26000	-25.76100	96.40000	0.0
						0.99331	-24.26700	-24.76771	96.40000	0.0
						1.9866	-24.27400	-23.77443	96.40000	0.0
						2.9799	-24.28100	-22.78114	96.40000	0.0
						3.9732	-24.28800	-21.78786	96.40000	0.0
						4.9666	-24.29500	-20.79457	96.40000	0.0
						5.9599	-24.30200	-19.80129	96.40000	0.0
						6.9532	-24.30900	-18.80800	96.40000	0.0
	21		No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0	0.0	-24.30900	-18.70800	96.40000	0.0
						0.92900	-25.23800	-18.70800	96.40000	0.0
						1.8580	-26.16700	-18.70800	96.40000	0.0
	22		No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0	0.0	-26.26700	-18.70800	96.40000	0.0
						0.84069	-26.76633	-18.03167	96.40000	0.0
						1.6814	-27.26567	-17.35533	96.40000	0.0
						2.5221	-27.76500	-16.67900	96.40000	0.0
	23		No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0	0.0	-27.76500	-16.57900	96.40000	0.0
						1.0829	-27.72513	-15.49688	96.40000	0.0



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Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[m]	[mm]
						2.1657	-27.68525	-14.41475	96.40000	0.0
						3.2486	-27.64538	-13.33263	96.40000	0.0
						4.3314	-27.60550	-12.25050	96.40000	0.0
						5.4143	-27.56563	-11.16838	96.40000	0.0
						6.4972	-27.52575	-10.08625	96.40000	0.0
						7.5800	-27.48588	-9.00413	96.40000	0.0
						8.6629	-27.44600	-7.92200	96.40000	0.0
24	No 7 Lyndhurst Terrace		No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0	0.0	-27.44600	-7.82200	96.40000	0.0
						0.58950	-26.85650	-7.82150	96.40000	0.0
						1.1790	-26.26700	-7.82100	96.40000	0.0
25	No 7 Lyndhurst Terrace		No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	0.0	-26.16700	-7.82100	96.40000	0.0
						0.093000	-26.16710	-7.72800	96.40000	0.0
						0.18600	-26.16720	-7.63500	96.40000	0.0
						0.27900	-26.16730	-7.54200	96.40000	0.0
						0.37200	-26.16740	-7.44900	96.40000	0.0
						0.46500	-26.16750	-7.35600	96.40000	0.0
						0.55800	-26.16760	-7.26300	96.40000	0.0
						0.65100	-26.16770	-7.17000	96.40000	0.0
						0.74400	-26.16780	-7.07700	96.40000	0.0
						0.83700	-26.16790	-6.98400	96.40000	0.0
						0.93000	-26.16800	-6.89100	96.40000	0.0
26	No 7 Lyndhurst Terrace		No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	0.0	-26.06800	-6.89100	96.40000	0.0
						0.98871	-25.07929	-6.89000	96.40000	0.0
						1.9774	-24.09057	-6.88900	96.40000	0.0
						2.9661	-23.10186	-6.88800	96.40000	0.0
						3.9549	-22.11314	-6.88700	96.40000	0.0
						4.9436	-21.12443	-6.88600	96.40000	0.0
						5.9323	-20.13571	-6.88500	96.40000	0.0
						6.9210	-19.14700	-6.88400	96.40000	0.0
27	No 7 Lyndhurst Terrace		No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	0.0	-19.04700	-6.88400	96.40000	0.0
						0.11840	-19.04700	-6.76560	96.40000	0.0
						0.23680	-19.04700	-6.64720	96.40000	0.0
						0.35520	-19.04700	-6.52880	96.40000	0.0
						0.47360	-19.04700	-6.41040	96.40000	0.0
						0.59200	-19.04700	-6.29200	96.40000	0.0
						0.71040	-19.04700	-6.17360	96.40000	0.0
						0.82880	-19.04700	-6.05520	96.40000	0.0
						0.94720	-19.04700	-5.93680	96.40000	0.0
						1.0656	-19.04700	-5.81840	96.40000	0.0
						1.1840	-19.04700	-5.70000	96.40000	0.0
28	No 7 Lyndhurst Terrace		No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	0.0	-19.14700	-5.70000	96.40000	0.0
						0.18430	-19.33130	-5.70000	96.40000	0.0
						0.36860	-19.51560	-5.70000	96.40000	0.0
						0.55290	-19.69990	-5.70000	96.40000	0.0
						0.73720	-19.88420	-5.70000	96.40000	0.0
						0.92150	-20.06850	-5.70000	96.40000	0.0
						1.1058	-20.25280	-5.70000	96.40000	0.0
						1.2901	-20.43710	-5.70000	96.40000	0.0
						1.4744	-20.62140	-5.70000	96.40000	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[m]	[mm]
						1.6587	-20.80570	-5.70000	96.40000	0.0
						1.8430	-20.99000	-5.70000	96.40000	0.0
	29		No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	0.0	-21.09000	-5.70000	96.40000	0.0
						0.13430	-21.09000	-5.56570	96.40000	0.0
						0.26860	-21.09000	-5.43140	96.40000	0.0
						0.40290	-21.09000	-5.29710	96.40000	0.0
						0.53720	-21.09000	-5.16280	96.40000	0.0
						0.67150	-21.09000	-5.02850	96.40000	0.0
						0.80580	-21.09000	-4.89420	96.40000	0.0
						0.94010	-21.09000	-4.75990	96.40000	0.0
						1.0744	-21.09000	-4.62560	96.40000	0.0
						1.2087	-21.09000	-4.49130	96.40000	0.0
						1.3430	-21.09000	-4.35700	96.40000	0.0
	30		No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	0.0	-24.32700	-30.49200	96.40000	0.0
						0.95720	-25.28300	-30.44414	96.40000	0.0
						1.9144	-26.23900	-30.39629	96.40000	0.0
						2.8716	-27.19500	-30.34843	96.40000	0.0
						3.8288	-28.15100	-30.30057	96.40000	0.0
						4.7860	-29.10700	-30.25271	96.40000	0.0
						5.7432	-30.06300	-30.20486	96.40000	0.0
						6.7004	-31.01900	-30.15700	96.40000	0.0
	31		No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	0.0	-31.11900	-30.15700	96.40000	0.0
						0.98917	-31.11825	-29.16783	96.40000	0.0
						1.9783	-31.11750	-28.17867	96.40000	0.0
						2.9675	-31.11675	-27.18950	96.40000	0.0
						3.9567	-31.11600	-26.20033	96.40000	0.0
						4.9458	-31.11525	-25.21117	96.40000	0.0
						5.9350	-31.11450	-24.22200	96.40000	0.0
						6.9242	-31.11375	-23.23283	96.40000	0.0
						7.9133	-31.11300	-22.24367	96.40000	0.0
						8.9025	-31.11225	-21.25450	96.40000	0.0
						9.8917	-31.11150	-20.26533	96.40000	0.0
						10.881	-31.11075	-19.27617	96.40000	0.0
						11.870	-31.11000	-18.28700	96.40000	0.0
						12.859	-31.10925	-17.29783	96.40000	0.0
						13.848	-31.10850	-16.30867	96.40000	0.0
						14.838	-31.10775	-15.31950	96.40000	0.0
						15.827	-31.10700	-14.33033	96.40000	0.0
						16.816	-31.10625	-13.34117	96.40000	0.0
						17.805	-31.10550	-12.35200	96.40000	0.0
						18.794	-31.10475	-11.36283	96.40000	0.0
						19.783	-31.10400	-10.37367	96.40000	0.0
						20.773	-31.10325	-9.38450	96.40000	0.0
						21.762	-31.10250	-8.39533	96.40000	0.0
						22.751	-31.10175	-7.40617	96.40000	0.0
						23.740	-31.10100	-6.41700	96.40000	0.0
	32		No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	0.0	-31.00100	-6.41700	96.40000	0.0
						0.96533	-30.03740	-6.35920	96.40000	0.0
						1.9307	-29.07380	-6.30140	96.40000	0.0



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Job No.	Sheet No.	Rev.
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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[m]	[mm]
						2.8960	-28.11020	-6.24360	96.40000	0.0
						3.8613	-27.14660	-6.18580	96.40000	0.0
						4.8267	-26.18300	-6.12800	96.40000	0.0
	33		No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	0.0	-26.08300	-6.12800	96.40000	0.0
						0.98234	-25.10440	-6.04240	96.40000	0.0
						1.9647	-24.12580	-5.95680	96.40000	0.0
						2.9470	-23.14720	-5.87120	96.40000	0.0
						3.9293	-22.16860	-5.78560	96.40000	0.0
						4.9117	-21.19000	-5.70000	96.40000	0.0
	34		Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	0.0	-1.00000	-40.00000	99.25000	0.0
						1.0000	-1.00000	-39.00000	99.25000	0.0
						2.0000	-1.00000	-38.00000	99.25000	0.0
						3.0000	-1.00000	-37.00000	99.25000	0.0
						4.0000	-1.00000	-36.00000	99.25000	0.0
						5.0000	-1.00000	-35.00000	99.25000	0.0
						6.0000	-1.00000	-34.00000	99.25000	0.0
						7.0000	-1.00000	-33.00000	99.25000	0.0
						8.0000	-1.00000	-32.00000	99.25000	0.0
						9.0000	-1.00000	-31.00000	99.25000	0.0
						10.0000	-1.00000	-30.00000	99.25000	0.0
						11.0000	-1.00000	-29.00000	99.25000	0.0
						12.0000	-1.00000	-28.00000	99.25000	0.0
						13.0000	-1.00000	-27.00000	99.25000	0.0
						14.0000	-1.00000	-26.00000	99.25000	0.0
						15.0000	-1.00000	-25.00000	99.25000	0.0
						16.0000	-1.00000	-24.00000	99.25000	0.0
						17.0000	-1.00000	-23.00000	99.25000	0.0
						18.0000	-1.00000	-22.00000	99.25000	0.0
						19.0000	-1.00000	-21.00000	99.25000	0.0
						20.0000	-1.00000	-20.00000	99.25000	0.0
						21.0000	-1.00000	-19.00000	99.25000	0.0
						22.0000	-1.00000	-18.00000	99.25000	0.0
						23.0000	-1.00000	-17.00000	99.25000	0.0
						24.0000	-1.00000	-16.00000	99.25000	0.0
						25.0000	-1.00000	-15.00000	99.25000	0.0
						26.0000	-1.00000	-14.00000	99.25000	0.0
						27.0000	-1.00000	-13.00000	99.25000	0.0
						28.0000	-1.00000	-12.00000	99.25000	0.0
						29.0000	-1.00000	-11.00000	99.25000	0.0
						30.0000	-1.00000	-10.00000	99.25000	0.0
						31.0000	-1.00000	-9.00000	99.25000	0.0
						32.0000	-1.00000	-8.00000	99.25000	0.0
						33.0000	-1.00000	-7.00000	99.25000	0.0
						34.0000	-1.00000	-6.00000	99.25000	0.0
						35.0000	-1.00000	-5.00000	99.25000	0.0
						36.0000	-1.00000	-4.00000	99.25000	0.0
						37.0000	-1.00000	-3.00000	99.25000	0.0
						38.0000	-1.00000	-2.00000	99.25000	0.0
						39.0000	-1.00000	-1.00000	99.25000	0.0



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Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
					[m]	[m]	[m]	[m]	[m]	[mm]
					40.000	-1.00000	0.00000	99.25000	0.0	0.0
					41.000	-1.00000	1.00000	99.25000	0.0	0.0
					42.000	-1.00000	2.00000	99.25000	0.0	0.0
					43.000	-1.00000	3.00000	99.25000	0.0	0.0
					44.000	-1.00000	4.00000	99.25000	0.0	0.0
					45.000	-1.00000	5.00000	99.25000	0.0	0.0
					46.000	-1.00000	6.00000	99.25000	0.0	0.0
					47.000	-1.00000	7.00000	99.25000	0.0	0.0
					48.000	-1.00000	8.00000	99.25000	0.0	0.0
					49.000	-1.00000	9.00000	99.25000	0.0	0.0
					50.000	-1.00000	10.00000	99.25000	0.0	0.0
					51.000	-1.00000	11.00000	99.25000	0.0	0.0
					52.000	-1.00000	12.00000	99.25000	0.0	0.0
					53.000	-1.00000	13.00000	99.25000	0.0	0.0
					54.000	-1.00000	14.00000	99.25000	0.0	0.0
					55.000	-1.00000	15.00000	99.25000	0.0	0.0
					56.000	-1.00000	16.00000	99.25000	0.0	0.0
					57.000	-1.00000	17.00000	99.25000	0.0	0.0
					58.000	-1.00000	18.00000	99.25000	0.0	0.0
					59.000	-1.00000	19.00000	99.25000	0.0	0.0
					60.000	-1.00000	20.00000	99.25000	0.0	0.0
					61.000	-1.00000	21.00000	99.25000	0.0	0.0
					62.000	-1.00000	22.00000	99.25000	0.0	0.0
					63.000	-1.00000	23.00000	99.25000	0.0	0.0
					64.000	-1.00000	24.00000	99.25000	0.0	0.0
					65.000	-1.00000	25.00000	99.25000	0.0	0.0
					66.000	-1.00000	26.00000	99.25000	0.0	0.0
					67.000	-1.00000	27.00000	99.25000	0.0	0.0
					68.000	-1.00000	28.00000	99.25000	0.0	0.0
					69.000	-1.00000	29.00000	99.25000	0.0	0.0
					70.000	-1.00000	30.00000	99.25000	0.0	0.0

Specific Building Damage Results - Detail

Stage: Ref.	Stage: Name	Specific Building: Ref.	Specific Building: Name	Sub-building Name	Vertical Offset	Segment	Start	Length	Curvature	Deflection	Average
					from Line for					Ratio	Horizontal
					Vertical						Strain
					Movement						
					Calculations						
					[m]		[m]	[m]		[%]	[%]



9 Lyndhurst Terrace, London
Ground Movement Assessment
Further Assessment of No 7 Lyndhurst Terrace

Job No.	Sheet No.	Rev.
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Made by AT	Date 30-Aug-2023	Checked Date

0	Base Model	1	No 11 Lyndhurst Terrace	No 11 LG - Line 1	0.0 All vertical displacements are less than the limit sensitivity.
		2	No 11 Lyndhurst Terrace	No 11 LG - Line 2	0.0 All vertical displacements are less than the limit sensitivity.
		3	No 11 Lyndhurst Terrace	No 11 LG - Line 3	0.0 All vertical displacements are less than the limit sensitivity.
		4	No 11 Lyndhurst Terrace	No 11 LG - Line 4	0.0 All vertical displacements are less than the limit sensitivity.
		5	No 11 Lyndhurst Terrace	No 11 LG - Line 5	0.0 All vertical displacements are less than the limit sensitivity.
		6	No 11 Lyndhurst Terrace	No 11 LG - Line 6	0.0 All vertical displacements are less than the limit sensitivity.
		7	No 11 Lyndhurst Terrace	No 11 LG - Line 7	0.0 All vertical displacements are less than the limit sensitivity.
		8	No 11 Lyndhurst Terrace	No 11 LG - Line 8	0.0 All vertical displacements are less than the limit sensitivity.
		9	No 7 Lyndhurst Terrace	No 7 LG - Line 1	0.0 All vertical displacements are less than the limit sensitivity.
		10	No 7 Lyndhurst Terrace	No 7 LG - Line 2	0.0 All vertical displacements are less than the limit sensitivity.
		11	No 7 Lyndhurst Terrace	No 7 LG - Line 3	0.0 All vertical displacements are less than the limit sensitivity.
		12	No 7 Lyndhurst Terrace	No 7 LG - Line 4	0.0 All vertical displacements are less than the limit sensitivity.
		13	No 7 Lyndhurst Terrace	No 7 LG - Line 5	0.0 All vertical displacements are less than the limit sensitivity.
		14	No 7 Lyndhurst Terrace	No 7 LG - Line 6	0.0 All vertical displacements are less than the limit sensitivity.
		15	No 7 Lyndhurst Terrace	No 7 LG - Line 7	0.0 All vertical displacements are less than the limit sensitivity.
		16	No 7 Lyndhurst Terrace	No 7 LG - Line 8	0.0 All vertical displacements are less than the limit sensitivity.
		17	No 7 Lyndhurst Terrace	No 7 LG - Line 9	0.0 All vertical displacements are less than the limit sensitivity.
		18	No 7 Lyndhurst Terrace	No 7 LG - Line 10	0.0 All vertical displacements are less than the limit sensitivity.
		19	No 7 Lyndhurst Terrace	No 7 LG - Line 11	0.0 All vertical displacements are less than the limit sensitivity.
		20	No 7 Lyndhurst Terrace	No 7 LG - Line 12	0.0 All vertical displacements are less than the limit sensitivity.
		21	No 7 Lyndhurst Terrace	No 7 LG - Line 13	0.0 All vertical displacements are less than the limit sensitivity.
		22	No 7 Lyndhurst Terrace	No 7 LG - Line 14	0.0 All vertical displacements are less than the limit sensitivity.
		23	No 7 Lyndhurst Terrace	No 7 LG - Line 15	0.0 All vertical displacements are less than the limit sensitivity.
		24	No 7 Lyndhurst Terrace	No 7 LG - Line 16	0.0 All vertical displacements are less than the limit sensitivity.



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Stage: Name	Specific Building: Name	Specific Building: Name	Sub-building Name	Vertical Offset	Segment	Start Length	Curvature	Deflection	Average
Max Gradient	Max Gradient	Min Radius	Damage Category	from Line for				Ratio	Horizontal
Tensile of	25	No 7 Lyndhurst Terrace	No 7 LG - Line 17	0.0	All vertical displacements are less than the limit				
sensitivity.	26	No 7 Lyndhurst Terrace	No 7 LG - Line 18	0.0	All vertical displacements are less than the limit				
sensitivity.	27	No 7 Lyndhurst Terrace	No 7 LG - Line 19	0.0	All vertical displacements are less than the limit				
sensitivity.	28	No 7 Lyndhurst Terrace	No 7 LG - Line 20	0.0	All vertical displacements are less than the limit				
sensitivity.	29	No 7 Lyndhurst Terrace	No 7 LG - Line 21	0.0	All vertical displacements are less than the limit				
sensitivity.	30	No 7 Lyndhurst Terrace	No 7 LG - Line 22	0.0	All vertical displacements are less than the limit				
sensitivity.	31	No 7 Lyndhurst Terrace	No 7 LG - Line 23	0.0	All vertical displacements are less than the limit				
sensitivity.	32	No 7 Lyndhurst Terrace	No 7 LG - Line 24	0.0	All vertical displacements are less than the limit				
sensitivity.	33	No 7 Lyndhurst Terrace	No 7 LG - Line 25	0.0	All vertical displacements are less than the limit				
sensitivity.	34	Lyndhurst Terrace Curb Line	Lyndhurst Terrace Curb Line	0.0	All vertical displacements are less than the limit				

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Building

Stage: Name	Specific Building: Name	Specific Building: Name	Sub-building Name	Vertical	Deflection	Average	Max Slope	Max	Max	Max
Gradient of Max Gradient	Gradient of Min Radius	Min Radius	Damage Category	Offset from	Ratio	Horizontal	Settlement	Tensile		
Horizontal Displacement	Vertical Displacement	of Curvature	of Curvature	Line for		Strain		Strain		
Curve	Curve	(Hogging)	(Sagging)	Vertical						
[m]	[m]			Movement Calculations	[m]	[%]	[%]	[mm]	[%]	

Specific Building Damage Results - Critical Segments within Each Building

Stage: Name	Specific Building: Name	Specific Building: Name	Parameter	Critical	Critical	Start	End	Curvature	Max	Max	Max
Min Radius of	Min Radius of	Damage Category		Sub-Building	Segment				Slope	Settlement	Tensile
Ref.	Ref.	Ref.									Strain



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Curvature Curvature

(Hogging) (Sagging)

[m]	[m]			[m]	[m]	[mm]	[%]
0	Base Model	0	No 11 Lyndhurst Terrace	All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
		0	No 7 Lyndhurst Terrace	All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
		0	Lyndhurst Terrace Curb Line	All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			
				All vertical displacements are less than the limit sensitivity.			