

15 Lyndhurst Terrace

Ground Movement Assessment

Curtins Ref: 083460-CUR-XX-XX-T-GE-00001

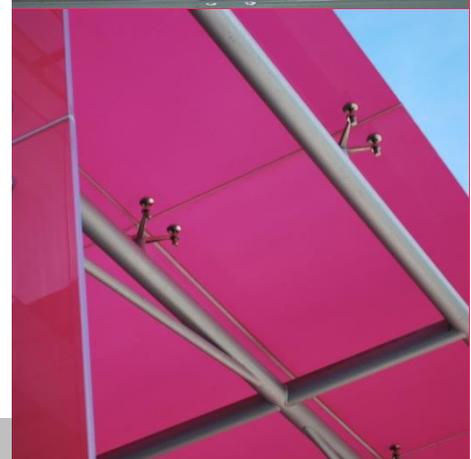
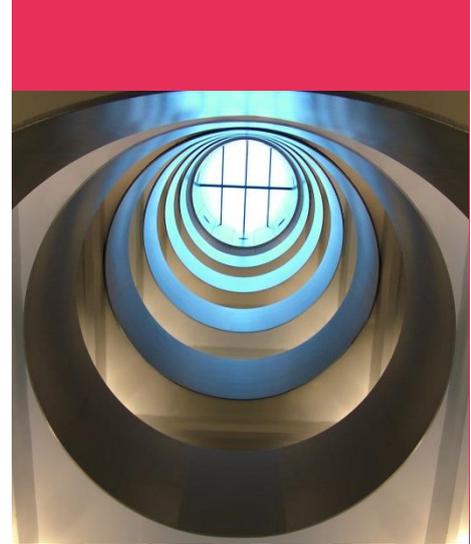
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1.0 Introduction

1.1 Brief

Curtins have been commissioned by Site Analytical Services Limited (SASL) to complete a Ground Movement Assessment (GMA) in connection with a proposed residential development at 15 Lyndhurst Terrace, NW3 5QA. The location of the site is detailed on **Figure 1.1**. The purpose of this assessment is to determine what effects the permanent construction may have on permanent structures which surround the property.

A site-specific Ground Investigation was carried out by Site Analytical Services in July 2015 and is summarised in Factual Report Ref: 15/23908, dated November 2015. The ground investigation was designed by Site Analytical Services, and results have been used in the derivation of parameters utilised in this assessment. Curtins cannot be held responsible for any inaccuracy in the factual data provided.



Figure 1.1: Location of 15 Lyndhurst Terrace, NW3

1.2 Development Proposals

The new development includes the construction of a basement below the ground floor of the property. Based on the proposed development drawings contained within **Appendix A**, it is understood that the existing ground floor is 95m AOD, or 50m SD (above site datum) and the proposed basement excavation is to be constructed a maximum of 2.9m below ground floor level (47.1m SD). The basement plan is detailed on **Figure 1.2**.

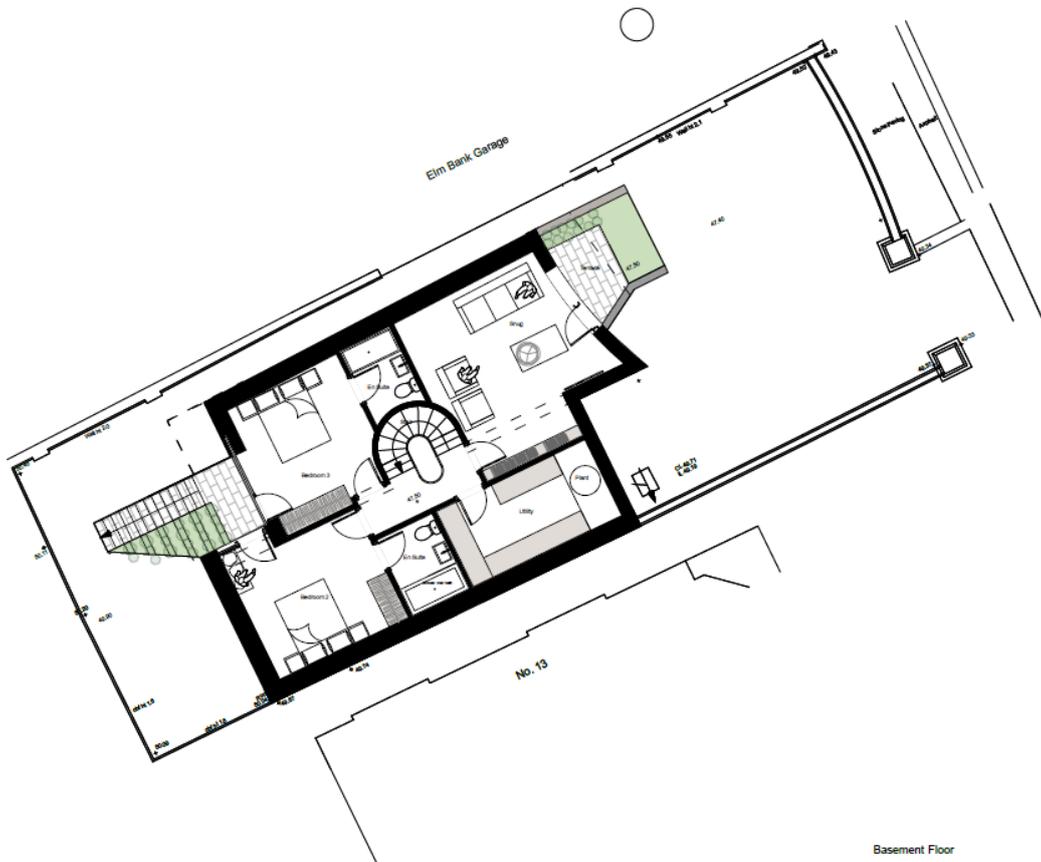


Figure 1.2: Proposed basement plans from Beech Architects Drawing Number 11-643i

1.3 Limitations

The conclusions and recommendations made in this report are made on the basis of the site-specific ground investigations undertaken by Site Analytical Services undertaken in July 2015. The ground investigation was designed by Site Analytical Services, and the results of the work should be viewed in the context of the range of data sources consulted and the information provided along with the number of locations where the ground was sampled. No liability can be accepted for inaccuracies in the factual data, information in other data sources or conditions not revealed by the sampling or testing.

The effect of the proposed construction on existing subterranean assets (including services and tunnels) are outside the scope of this report and may be required under a separate assessment. In addition this analysis does not take account of any dewatering measures required to facilitate the basement development.

It should be noted that the movements described in this report are indicative only for the purposes of providing pre-planning guidance with regards to the development and should not be relied upon for detailed design. It is anticipated the actual movement observed on site will be heavily affected by the level of workmanship and therefore should be reviewed at detailed design following discussions with the structural engineer and appointed contractor.

Curtins carried out a Ground Movement Assessment at 15 Lyndhurst Terrace, Ref: 078070-CUR-00-XX-RP-GE-001, dated 4th February 2021. A Ground Movement Assessment was also carried out at the site by Applied Geotechnical Engineering (AGE) in January 2018 (Reference P4118/03) (1) and contained in a Basement Impact Assessment by Site Analytical Services Reference 15/23908-2 also dated January 2018 (2). This assessment was with reference to a previous planning application which included the demolition of the existing building. These previous applications were not taken forward.

2.0 Baseline Conditions

2.1 Site Description

The site is located at 15 Lyndhurst Terrace, London, NW3 5QA, approximately 475m southeast of Hampstead Station. The existing property is a detached two-storey building with no existing basement. This can be seen in the existing drawings in **Appendix B**. The property is under the authority of the London Borough of Camden.

The street level in the area of the site from available topographical information and plans is estimated to be at a level of approximately c.95m AOD, or 50m SD. For the purposes of this report, the levels will be discussed with m SD.

Details of the buildings located in close proximity to the property which have been considered in the analysis are summarised in **Table 2.1** below.

Table 2.1: A summary of the neighbouring properties in close proximity to 15 Lyndhurst Terrace

Building Name	Description	Approximate Height (from lower ground floor level to top of roof)	Distance from Proposed Basement
No. 13 Lyndhurst Terrace	Three storey property with existing lower ground floor	12.5m	1.50m
No. 17 Lyndhurst Terrace	Two storey property with roof space	10m	2.5m at closest point
Garage for No's 17-19 Lyndhurst Terrace	Single Storey	4m	0.75m at closest point

2.1 Geology

British Geological Survey (BGS) Data

The BGS Geology Viewer (3) and the 1:50,000 Geological Survey of Britain (England and Wales) map 256 (North London) (4) shows that the site is underlain by the Claygate Member with the London Clay Formation at depth. Deposits of the overlying Bagshot Formation are indicated to be approximately 200m to the north-west of the site, whilst the boundary to the underlying London Clay Formation is approximately 250m to the south-west.

A historical borehole from the British Geological Survey (Ref. TQ28NE449, available online: <http://mapapps.bgs.ac.uk/geologyofbritain3d/>) located approximately 350m to the north west of the site recorded 0.50m of Made Ground underlain by London Clay to 125m with the Thanet Sand below which extended to depths of at least 135m.

2.2 Hydrogeology

According to online information (<https://magic.defra.gov.uk/> (5)), the Claygate Member is a Secondary A Aquifer, which comprise permeable layers that can support local water supplies and may form an important source of base flow to rivers.

The London Clay bedrock is designated as unproductive strata, which are defined as rock layers with low permeability that have negligible significance for water supply or river base flow.

3.0 Ground Investigation

3.1 Encountered Ground Conditions

In July 2015, Site Analytical Services conducted an intrusive Ground Investigation comprising:

- 1 No. Rotary Percussive borehole to a maximum depth of 15m bgl.
- 2 No. Continuous Flight Auger borehole to a maximum depth of 8m bgl.
- 1 No. Trial pit to a maximum depth of 1.5m bgl.

The location of the borehole and trial pits can be found in the SAS Ltd Factual Report Ref: 23/36419-1, dated March 2023 in in **Appendix C** whilst the results of the investigation are summarised in **Table 3.1** below. It has been assumed that BH01 was carried out at the same elevation as street level (68m AOD).

Table 3.1: Summary of Ground Conditions

Strata	Depth to top (m bgl)	Elevation at Top (m SD)	Thickness (m)	Description
Made Ground	0.00	49.5 to 50.0	0.40 to 1.20	Pea gravel/brick paving over silty sandy CLAY with brick fragments.
Claygate Member	0.40 to 1.20	48.90 to 49.54	5.80 to 9.00	Soft becoming firm and then stiff silty sandy clay with lenses of clayey silty fine sand between 1.5 to 2.1m in thickness
London Clay	9.40	40.10	1.80* to 5.60*	Firm becoming stiff silty sandy CLAY

*- base not encountered

3.2 Groundwater

Groundwater was encountered as a 'very slight' seepage at 15m depth in BH1, but otherwise the boreholes were dry during excavation.

All the boreholes were equipped with water-monitoring standpipe piezometers. The response zones were from 3-6m depth in all three boreholes.

Subsequent monitoring of the standpipes, from July 2015 to February 2021 indicated them to be dry.

3.3 In Situ and Laboratory Testing

A summary of laboratory and In-Situ test results undertaken within the geological strata encountered during the Site Analytical Services Ground Investigation is presented below and available in **Appendix C**.

3.3.1 Standard Penetration Testing

9 No. SPT's were carried out in the ground investigation and are displayed in **Figure 3.1**.

- 5 No. SPT's within the Cohesive Claygate Member, ranging from 11 to 27 with an average of 19, between elevations of 41.5m and 48.5m SD.
- 2 No. SPT's within the Granular Claygate Member, ranging from 16 to 17 between elevations of 44.5m and 45.5m SD.
- 2 No. SPT's within the London Clay Formation, ranging from 27 to 31, between elevations of 34.95m and 38.5m SD.

3.3.2 Mackintosh Probe Tests

24 No. Mackintosh Probe Tests were carried out within the soils, and can be correlated with SPT N using **Equation 1** below:

$$\text{SPT N} = N_{300} \times 0.1 \quad \text{Equation 1}$$

The derived SPT N values are displayed in **Figure 3.1** and summarised below:

- 20 No. SPT's within the Cohesive Claygate Member, ranging from 8 to 19 with an average of 12, between elevations of 41.6m and 49.5m SD.
- 4 No. SPT's within the Granular Claygate Member, ranging from 13 to 16 with an average of 15 between elevations of 43.6m and 45.6m SD.

3.3.3 Hand Shear Vanes

Within the London Clay, 2 No. Hand Shear Vane tests were carried out, giving values of 130kPa which is the limit of the equipment, between elevations of 41.62m SD and 42.62m SD. These are displayed in **Figure 4.2**.

3.3.1 Triaxial Testing

Within the London Clay, 2 No. Triaxial tests were carried out, giving values of 98kPa and 149kPa between elevations of 36.75m and 37.75m SD. These are displayed in **Figure 4.2**.

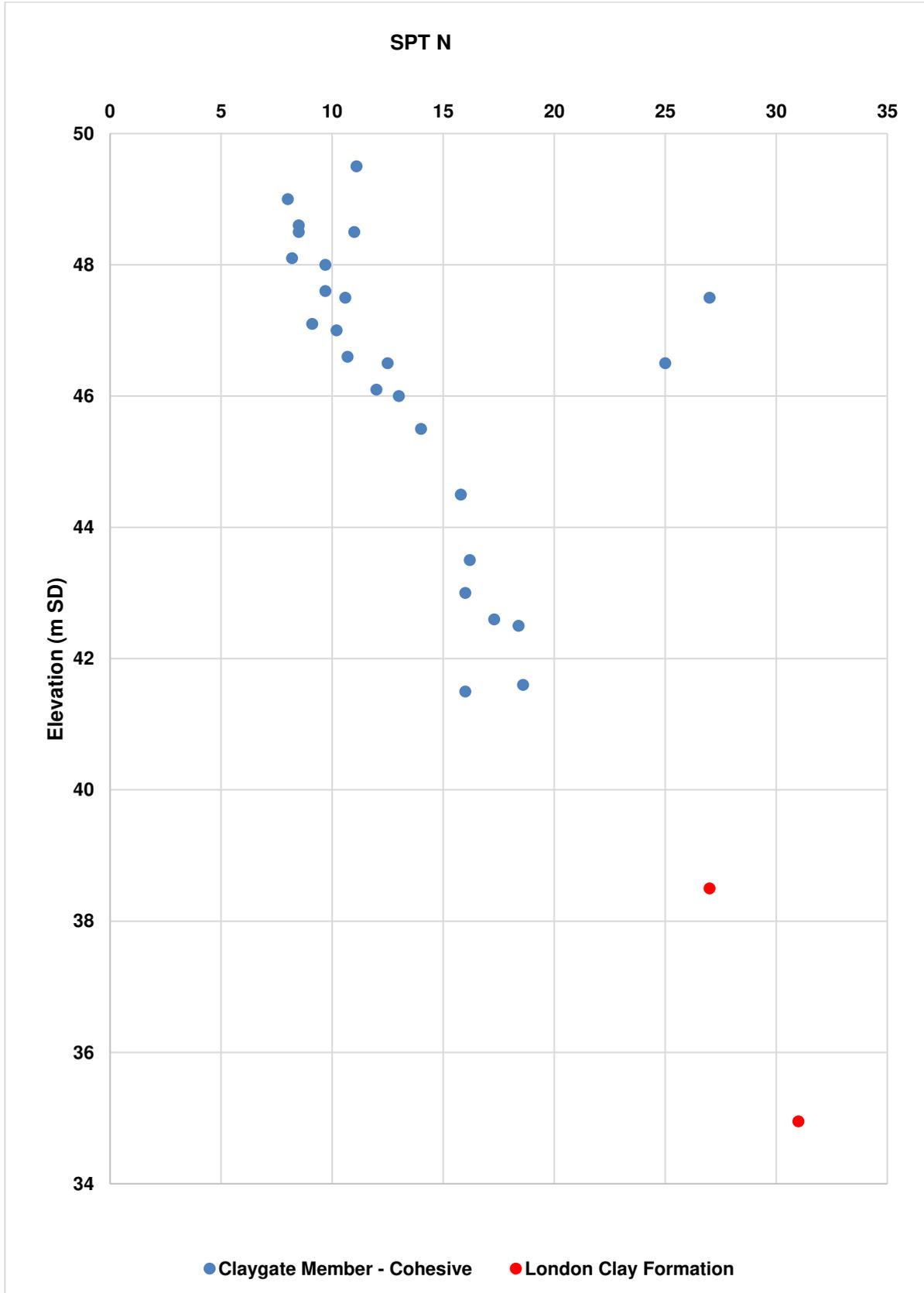


Figure 3.1: Summary of SPT's and Mackintosh Probe derived SPT's

3.3.2 Atterberg Limit Testing

2 No. Atterberg Limit tests were carried out within the Claygate Member between 1.75m and 4m bgl , with the summary of results below and in **Figure 3.2**.

- Natural Moisture Contents between 20% and 29%
- Liquid Limits between 47% and 68%
- Plasticity Indices between 27% and 46%.

This classifies the Claygate Member as a medium plasticity clay.

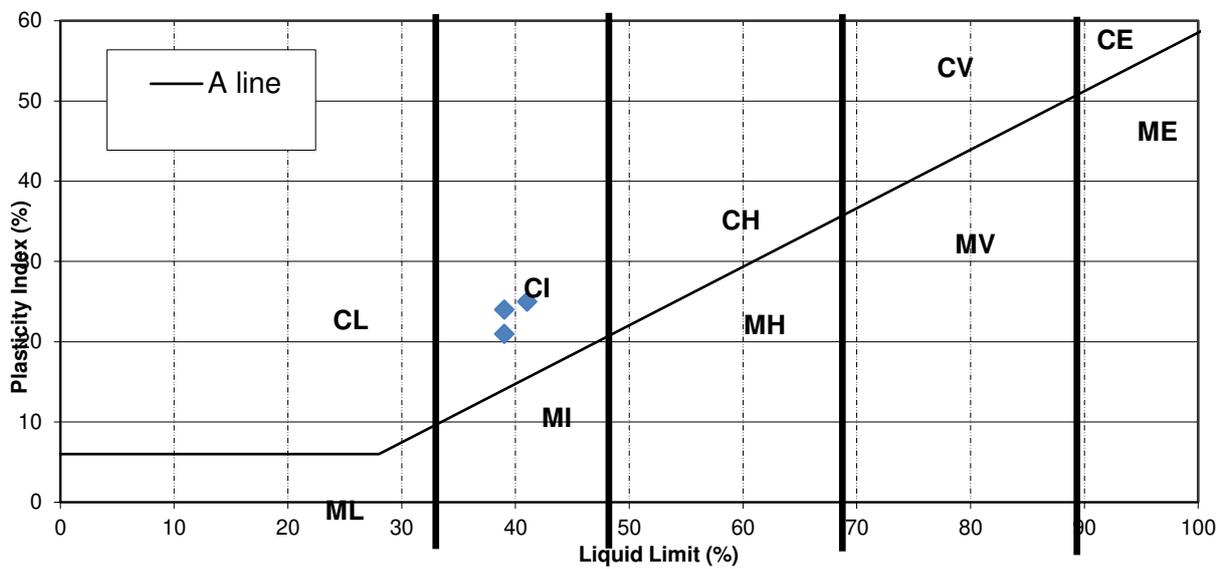


Figure 3.2: Atterberg Limit Test results for the London Clay

4.0 Prediction of Ground Movements and Damage Assessment

4.1 Introduction

In connection with the proposed basement construction, a ground movement and damage assessment has been undertaken at the site. The purpose of this assessment is to determine the effects of the proposed basement excavation upon neighbouring structures.

It is understood that the proposed basement will be constructed using underpinning techniques.

The soil behaviour over the footprint of the excavated area is different from the behaviour outside and the associated ground movements require assessment using different approaches.

In the area of the new basement the soil will tend to move as a result of change in vertical load on the ground due to excavation and demolition. Movements in the long term would also be expected as a result of changes in the pore pressure in the clay layer/cohesive band under the basement.

Around the site the construction activities that may result in ground movements during and after the works are mainly related to the excavation, which would induce a reduction of vertical and lateral stresses in the ground along the excavation boundaries.

The magnitude and distribution of ground movements inside and outside the excavated area are a function of changes of load in the ground and also, critically, are a function of workmanship.

Ground movements within the area of the proposed excavation have been estimated using Geotechnical Software (PDISP by OASYS) whilst the expected movements and impact assessment of the area around the site and surrounding structures have been estimated using Geotechnical Software (XDISP by OASYS). The latter software relies on CIRIA report C580 Embedded Retaining Walls - Guidance for Economic Design (6) (superseded by C760, 2017 (7)) which is based on field measurements of movements from a number of basement constructions across London.

The calculations provided are specific to the proposed development and the advice herein should be reviewed if the development proposals are amended.

4.2 Adjacent Properties

The properties or structures more likely to be affected by ground movements associated with the proposed basement construction, are shown in **Table 2.1**, as well as the labelled walls under analysis in **Figure 4.1 below** and include the following:

- No. 13 Lyndhurst Terrace (1.50 from basement)
- No. 17 Lyndhurst Terrace (2.50 from basement)
- Garage belonging to No. 17 and 19 Lyndhurst Terrace (0.75 from basement)

Note it is not clear that the damage category assessment for the property needs to include the separate garage structure. However, for completeness, it has been considered here.



Figure 4.1: OS Map of 15 Lyndhurst Terrace, with labelled walls under analysis

4.3 Ground Model

The ground model utilised for this assessment is based on the site-specific ground investigation undertaken by SASL at the site (July 2015) along with historical site investigations carried out within proximity to the site. It should be noted that Curtins can take no liability for inaccuracies in the factual data from the site specific nor adjacent site investigations.

The ground conditions adopted within the model and analysis are in accordance with the ground conditions inferred from borehole BH1 as a conservative case and comprise:

- Existing ground level: 50m SD.
- Base of Made Ground: 49.1m SD.
- Base of Claygate Beds 40.1m SD.
- Base of London Clay 34.5m SD.
- No groundwater has been recorded below the site.

Ground floor/street level has been taken as 50m SD from online information, with a proposed basement level of 2.9m bgl (47.1m SD), based on the plans within **Appendix A**.

For the purposes of this report, and in accordance with the previous work on the site by AGE (1) the Claygate Beds and the London Clay are taken to act as a single unit, and the stiffness of that combined unit can be taken to be represented by the stiffness of the London Clay.

The method of Ground Movement Analyses undertaken requires soils stiffness parameters to be used. In accordance with BS8004:2015 section 4.3.1.6 'Soil Stiffness' (8) it is acknowledged that both the drained and undrained stiffness moduli of soils (E' , E_u) are highly dependent on the strain level applicable to the engineering problem considered. The change in axial strain will directly influence the resultant stiffness of the soil, and in turn the stiffness of the soil will influence the strain exhibited.

Therefore, in order to define stiffness modulus applicable to the engineering problem considered, it is necessary to assess the magnitude of axial strain which the soil will be subjected to. In accordance with the recommendations made in BS8004:2015 (8) the strain generally applicable to foundations design is in the range of 0.075 to 0.2%.

The material properties used for the analysis of the ground movements have been interpreted. Where necessary, determination of characteristic parameters has been based on a cautious estimate of results derived from laboratory, published correlations and field tests, complemented with engineering judgement. The parameters are not considered to be absolute and should not be used for design.

Made Ground

To be conservative, design parameters for the Made Ground will be E' and $E_u = 3\text{MPa}$, and a Poisson's ratio of 0.2 following guidance from Burland, Standing, Jardine (2001). A bulk unit weight of 16kN/m^3 is considered appropriate for design based on guidance from BS8002 (2015) (9).

Claygate Member / London Clay

27 No. SPT's across both the Claygate Member and London Clay ranged between 8 and 31 between elevations of 34.95m 49.5m SD and can be seen in **Figure 3.1**.

Undrained shear strength can be correlated with SPT's using Equation 2 below from Stroud (1975) (10). Based on an average PI of 23 in the Claygate Member, as well as historical work with London Clay, an f_1 of 5 has been used with Claygate Member SPT's and an f_1 of 4.5 has been used with the London Clay SPT's.

$$s_u = \text{SPT } N \times f_1 \quad \text{Equation 2}$$

Using Equation 2, as well as the Hand Shear Vane and Triaxial Test results detailed in Section 3.3, gives s_u values of between 40kPa and 149kPa between 34.95m and 49.5m SD and are summarised in **Figure 4.2**. A clear increase in s_u can be seen and therefore an s_u design line for the ground model has been used (**Equation 3**).

$$s_u = 40 + 7.14z \text{ (where } z \text{ is depth below 49m SD)} \quad \text{Equation 3}$$

These s_u would classify the both the Claygate Member/London Clay as a medium to high strength clay in accordance with BS5930:2015 and therefore a bulk unit weight of 19kN/m³ is considered appropriate for the Claygate Member/London Clay based on guidance from BS 8002 (2015) (9).

Based on the maximum (i.e., most conservative) axial strain of 0.2% prescribed in BS8004:2015, the following correlation has been used to determine the Young's Modulus (E_u) of the Claygate Member/London Clay. The relationship (**Equation 1**) has been taken from ICE manual of geotechnical engineering (2012), Volume II, chapter 53.7.2 (Page 792) (11) and matches ratio of Young's Modulus/Undrained shear strength (E_u/s_u) at 0.2% axial strain recommended in Tomlinson (7th, 2001) (12):

$$E_u = 330s_u \text{ (kN/m}^2\text{)} \quad \text{Equation 1}$$

The ratio of end of construction (Undrained) settlement to total settlement (fully drained) (**Equation 2**) was taken as 60% as specified in ICE manual of geotechnical engineering (2012), Volume II, chapter 53.6 (Page 783) (11). Therefore:

$$E' = 200s_u \text{ (kN/m}^2\text{)} \quad \text{Equation 2}$$

For the Claygate Member/London Clay, this gives E_u values ranging of 13.2MPa increasing to 46.2MPa, and E' values increasing from 8MPa to 28MPa.

A Poisson's ratio of 0.5 is typical for cohesive soils in the short term (undrained), and 0.3 in the long term (drained), based on guidance from Tomlinson (2001) (12).

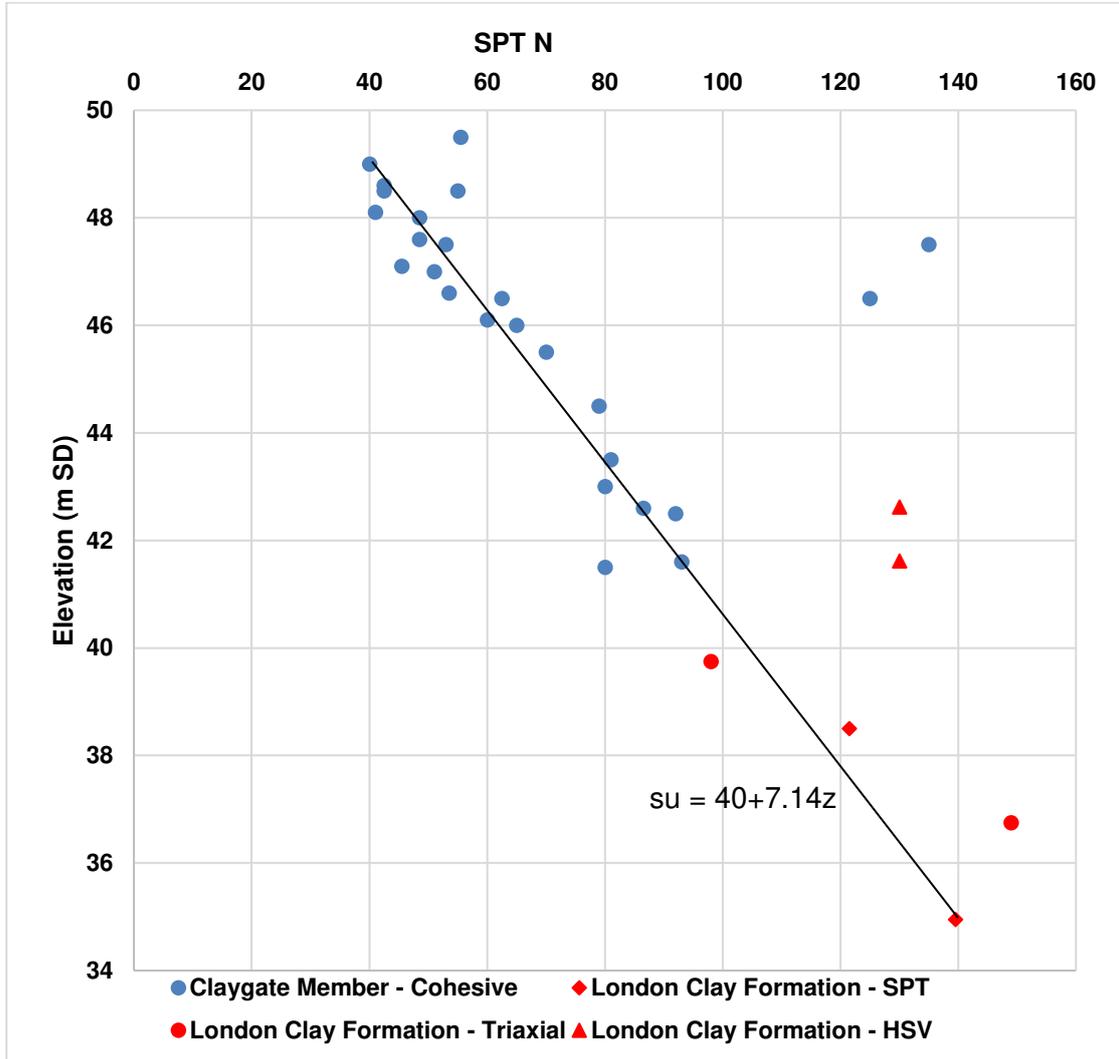


Figure 4.2: The interpreted s_u values for the Claygate Member/London Clay with the design line annotated

Table 4.1: The ground model and design parameters adopted for this analysis.

Stratum		Bulk Density (kN/m ³)	Level at Top (m SD)	Short Term (Undrained)		Long Term (Drained)	
				Eu (kPa)	Poisson's Ratio	E' (kPa)	Poisson's Ratio
Made Ground		16	50	3000	0.2	3000	0.2
Claygate Member/London Clay	Top	19	49.1	13,200	0.5	8,000	0.3
	Base		34.5	46,200		28,000	

4.4 Construction and Load Cases

The structural loading at foundation level for use in the ground movement analysis has been calculated by the structural engineer with reference **Appendix D**. This assessment is specific to this load case. If any changes are made to the proposed development, then this assessment should be revised and updated accordingly. It has been assumed for the purposes of this assessment, that the internal loads are spread over a width of 1.00m to represent the underpinned walls.

4.5 Ground Movement inside the proposed basement

Following excavation to the proposed foundation formation level the soil at this level and along the boundary of the excavation will tend to heave as a result of the change in soil stress conditions. The magnitude and distributions of ground movements inside the excavated area are a function of the excavation size and shape.

The stress conditions and resultant settlement/heave have been assessed using the Boussinesq's method and geotechnical software PDISP by Oasys. PDISP calculates vertical movements due to a uniformly distributed load applied to a specified plane of geometry within a 3-D space. The Boussinesq analysis method is used in this analysis.

The following assumptions have been made within the PDISP analysis:

- Assumes Boussinesq stress distributions.
- Uniform pressure loading.
- No allowance is made for the stiffness of the structures (foundation slab).

Structural loading at foundation level and calculations for use in the ground movement analysis have been provided by the structural engineer (**Appendix D**).

The vertical boundary of the model was fixed at 15m bgl (35m SD) At this depth, the effective vertical stress due to foundation unloading decreases to in excess of 20% of the effective overburden as required in EC7.

The results of PDISP analysis are based on an unrestrained excavation as the model is unable to take account of the mitigating effect of temporary works bounding the excavation, which in reality will combine to restrict these movements within the basement excavation. The movements predicted at or just beyond the site boundaries are unlikely to be realised and should not therefore have a detrimental impact upon any nearby structures.

Excavation unloading

Undrained removal of the overburden calculated using assumed unit weights in the ground model (**Table 4.1**), and the thickness of strata, 2.9m of soil removal is expected to locally cause maximum unloading stresses of up to **-52.4Pa** at the base of the basement slab.

Loading, long term drained conditions

The results show that in the long-term following construction of the basement and taking account of the unloading pressures detailed above settlements of up to 2mm and heave of up to 16mm are detailed locally.

PDISP uses individual layer properties to calculate the displacements resulting from applied stresses. The heave values described are considered to be overestimated and therefore conservative. It should be noted, Bowles in his text (Foundation Analysis and Design-Fifth Edition) states that "In general, where heave is involved, considerable experience and engineering judgement are necessary in estimating probable soil response, for currently there are no reliable theories in for the problem".

Final designs for the basement retaining walls, basement slabs and internal load-bearing basement walls and columns should be designed to support heave movements. These movements should be driven into account particularly at party walls where additional loadings are proposed. Any proposed drainage system or pipe works within the vicinity should be designed to accommodate the predicted movements. The PDISP analysis output showing the movements in Drained Conditions are presented in **Appendix E**.

Roads and Utilities

The proposed basement is adjacent to Lyndhurst Terrace. In order to analyse the effect upon the road due to the construction of the basement, the roads have been modelled as displacement lines within PDISP. The settlement at these points can then be estimated.

From the results in **Figure 4.2**, it can be seen that <5mm of settlement is estimated on Lyndhurst Terrace.

The results of the PDISP analysis are based on an unrestrained excavation as the model is unable to take account of the mitigating effect of the temporary works bounding the excavation, which in reality will combine to restrict these movements within the basement excavation. The movements predicted at or just beyond the site boundaries are unlikely to be realised and should not therefore have a detrimental impact upon any nearby structures.

The effect of the basement construction on services/tunnels along Lyndhurst Terrace or the wider area is outside the scope of this report and must be assessed separately.

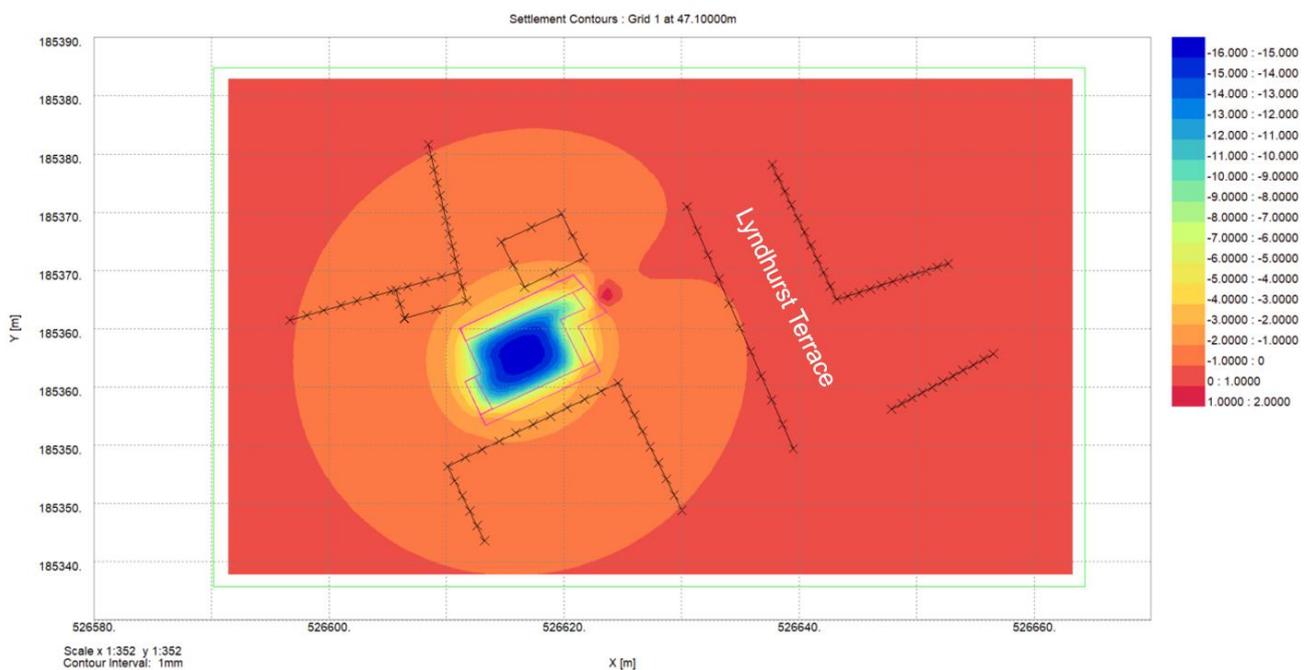


Figure 4.2: Drained PDISP results displaying the estimated immediate settlement in the proposed basement and Lyndhurst Terrace

4.6 Ground Movement outside the proposed basement

Ground movements have been analysed using XDISP by Oasys and a building damage assessment has been undertaken based on the results of the analysis. Contours of vertical and horizontal ground movements are presented in **Appendix F**. As detailed in the proposal drawings in **Appendix A**, the basement is to be constructed to a maximum depth of 2.9m bgl (47.1m SD).

The basement is to be constructed using traditional underpinning techniques. A basement floor slab is also proposed. It has been assumed for the purposes of this analysis that propping will be included in the temporary and permanent cases over the proposed structure and therefore a low stiffness approach would not apply to this situation. The proposed retaining walls are also likely to be propped by the ground floor slab in the permanent case.

It is important to note that vertical wall movement related to underpinning is not defined by the CIRIA C580 / C760 data. Instead, the short-term settlement will be controlled by movements occurring during the underpin construction process.

On this basis the XDISP analysis considers both 'excavation in front a high stiffness wall in stiff clay' (CIRIA C760 Fig. 6.15(a)) (7) and 'installation of a secant bored pile wall in stiff clay' (CIRIA C760 Fig. 6.8(a)) (7) to simulate the effects from the underpinning on neighbouring structures. The combined cumulative movements resulting from the wall installation (which includes the underpinning) and basement excavation have been used to carry out an assessment of the likely damage to adjacent properties as a conservative approach. The model also includes modelling of the proposed secant piled wall at the rear of the basement.

Due to the irregular shape of the proposed basement, the basement has been split into two polygons in XDISP to replicate the basement as a whole. In accordance with guidance from Oasys (<https://www.oasys-software.com>) and to avoid re-entrant corners, no movements have been modelled to those sides of the excavations that form attachments within the centre of the proposed basement but cannot be eliminated.

The existing lower ground floors beneath adjacent buildings have been ignored in modelling for conservatism.

Building Damage Assessment

The building damage assessment has been carried out on the relevant adjacent structures, as detailed in **Figure 4.1**.

Tensile strains induced within the building walls have been evaluated based on the deflection ratios Δ/L and horizontal extension mechanisms estimated from the analyses. The assessment considers the well-established Burland (1977) (13) damage classification method, as presented and summarised in **Figure 4.2** and **4.3** below. This method involves a relatively simple but robust means of assessment,

which is widely adopted and is considered to comprise an industry standard/best practice basis for impact assessments of this typology.

Potential damage categories are directly related to the tensile strains induced by the proposed construction stages, arising from a combination of direct tension, and bending induced tensile mechanisms.

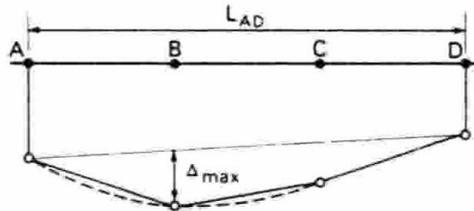


Figure 4.2: Definition of relative deflection Δ and deflection ratio Δ/L

Category of damage	Description of typical damage (ease of repair is underlined)	Approximate crack width (mm)	Limiting tensile strain ϵ_{lim} (per cent)
0 Negligible	Hairline cracks of less than about 0.1 mm are classed as negligible.	< 0.1	0.0–0.05
1 Very slight	<u>Fine cracks that can easily be treated during normal decoration.</u> Perhaps isolated slight fracture in building. Cracks in external brickwork visible on inspection.	< 1	0.05–0.075
2 Slight	<u>Cracks easily filled. Redecoration probably required.</u> Several slight fractures showing inside of building. Cracks are visible externally and <u>some repointing may be required externally</u> to ensure weathertightness. Doors and windows may stick slightly.	< 5	0.075–0.15
3 Moderate	<u>The cracks require some opening up and can be patched by a mason. Recurrent cracks can be masked by suitable linings. Repointing of external brickwork and possibly a small amount of brickwork to be replaced.</u> Doors and windows sticking. Service pipes may fracture. Weathertightness often impaired.	5–15 or a number of cracks > 3	0.15–0.3
4 Severe	<u>Extensive repair work involving breaking-out and replacing sections of walls, especially over doors and windows.</u> Windows and frames distorted, floor sloping noticeably. Walls leaning or bulging noticeably, some loss of bearing in beams. Service pipes disrupted.	15–25 but also depends on number of cracks	> 0.3
5 Very severe	<u>This requires a major repair involving partial or complete rebuilding.</u> Beams lose bearings, walls lean badly and require shoring. Windows broken with distortion. Danger of instability.	usually > 25 but depends on number of cracks.	

Figure 4.3: Building damage classification – relationship between category of damage and limiting strain ϵ_{lim} (After Burland et al. 1977 (13), Boscardin and Cording 1989 (14), and Burland 2001 (15))

Results

A building impact/damage assessment has been undertaken, assuming the existing buildings walls to behave as equivalent beams subject to a combination of bending, shear, and axial extension/compression mechanisms, resulting from greenfield ground movements evaluated.

On the basis of the available information the predicted level of damage to the house at 13 and 17 Lyndhurst Terrace arising from the excavation of a basement at 15 Lyndhurst Terrace is “very slight” or less, as defined in **Figure 4.3**. The above analyses assumes a high standard of workmanship. The results of the assessment are presented in **Table 4.2** below, with the wall reference relating to the labels in **Figure 4.1**.

It is noted that the rear wall of the garage falls under “slight”, however this was accepted in the previous iteration by London Borough of Camden, “*on the basis of the neighbouring garage being an uninhabited structure, detached from the main house with no heritage merit*”. This was noted in an email from GrahamKite@campbellreith.com to Andrew.Smith@curtins.com on 30th July 2021 at 14.17.

Table 4.2: Evaluated Damage Categories from XDISP

Wall	Details	Damage Category and Detail	
W1	13 Lyndhurst Terrace Front Wall	1	Very Slight
W2	13 Lyndhurst Terrace Side Wall	0	Negligible
W3	13 Lyndhurst Terrace Rear Wall	0	Negligible
W4	17 Lyndhurst Terrace Front Wall	0	Negligible
W5	17 Lyndhurst Terrace Side Wall	0	Negligible
W6	17 Lyndhurst Terrace Extension Rear Wall	0	Negligible
W7	17 Lyndhurst Terrace Extension Side Wall	0	Negligible
W8	17 Lyndhurst Terrace Extension Front Wall	1	Very Slight
W9	17-19 Lyndhurst Terrace Garage Side Wall 1	0	Negligible
W10	17-19 Lyndhurst Terrace Garage Front Wall	0	Negligible
W11	17-19 Lyndhurst Terrace Garage Side Wall 1	0	Negligible
W12	17-19 Lyndhurst Terrace Garage Rear Wall	2	Slight

It should be noted that these movements are likely to be more affected by the quality of the workmanship and propping of the basement excavations. The construction details adopted at the junctions with the party walls and at return walls will also have significant influence on the likelihood of any future movements at these locations. Extra care should be taken in these sections to provide appropriate support to the existing walls to prevent any excessive deflection.

Despite these results it is considered that appropriate consideration to the support and stability of neighbouring walls will be needed in the detailed structural design of the basement. Movement monitoring of the walls is recommended during the construction stage and trigger levels should be set in order to protect the neighbouring properties as a precautionary measure.

5.0 Conclusions

A Ground Movement Assessment has been carried out for 15 Lyndhurst Terrace, London to assist with pre-planning document submissions to the London Borough of Camden.

Providing that appropriate consideration is given to the detailed design of the basement in order to limit future movement, that good workmanship and construction sequences are used with appropriate support during excavations and that groundwater management is employed, then the proposed basement construction is unlikely to cause significant damage to the surrounding structures. Based on the predicted ground movements, the adjacent structures are expected to be less than CIRIA C760 Damage Category 1 (very slight).

It is noted that the rear wall of the garage falls under "slight", however this was accepted in the previous iteration by London Borough of Camden, "*on the basis of the neighbouring garage being an uninhabited structure, detached from the main house with no heritage merit*".

A specification for movement monitoring should be incorporated into the final construction scheme for the proposed development to monitor the adjacent properties and establish the extent of any future potential movement to the building. Any temporary and permanent works should be designed to limit eventual movement.

A geotechnical/structural review of the underpinning method should be undertaken to ascertain the requirements for stability of the walls in the long term with consideration of likely earth pressures and any potential live loading behind the walls.

6.0 References

1. **P4118/03, Applied Geotechnical Engineering (AGE). Ground Movement Assessment at 15 Lyndhurst Terrace January 2018 (Reference. Applied Geotechnical Engineering (AGE). Ground Movement Assessment at 15 Lyndhurst Terrace January 2018 (Reference P4118/03) .**
2. **2018, Site Analytical Services Limited. Basement Impact Assessment at 15 Lyndhurst Terrace. Reference 15/23908-2 dated January. Site Analytical Services Limited. Basement Impact Assessment at 15 Lyndhurst Terrace. Reference 15/23908-2 dated January 2018 .**
3. **British Geological Survey.** BGS Geology Viewer. [Online] <https://geologyviewer.bgs.ac.uk/>.
4. **British Geological Society.** *North London, England and Wales Sheet 256, Bedrock and Superficial Deposits, 1:50,000.* s.l. : British Geological Society, 2006.
5. **Map, Magic.** Magic Map. [Online] <https://magic.defra.gov.uk/MagicMap.aspx>.
6. **CIRIA.** *CIRIA C580 Embedded Retaining Walls - Guidance for Economic Design.* s.l. : CIRIA, 2003.
7. —. *CIRIA C760 Guidance on embedded retaining wall design.* s.l. : CIRIA, 2017.
8. **BSI Standards Publication.** *Bs 8004:2015+A1:2020 Code of Practice for Foundations.* s.l. : BSI Standards Publication, 2015.
9. **British Standards Institution.** *BS 8002:2015 - Code of Practice for Earth Retaining Structures.* s.l. : British Standards Institution, 2015.
10. **Stroud, M A.** *The Standard Penetration Test in insensitive clays and soft rocks. Proceedings of the European Symposium on Penetration Testing.* 1975.
11. **Burland, John, et al.** *ICE manual of geotechnical engineering (2012), Volume II.* s.l. : ICE, 2012.
12. **Tomlinson, M.J.** *Foundation Design and Construction.* s.l. : Pearson, 2001, p. 74.
13. **Burland, J., Broms, B. and de Mello, V. 1977. Behaviour of foundations and structures. Proc. 9th ICSMFE, State of-the-art Vol., 495-546.** *Burland, J., Broms, B. and de Mello, V. 1977. Behaviour of foundations and structures. Proc. 9th ICSMFE, State of-the-art Vol., 495-546.*
14. **Boscardin, M. D., & Cording, E. J. (1989). Building response to excavation-induced settlement. Journal of Geotechnical Engineering, 115, 1-21. doi:10.1061/(asce)0733-9410(1989)115:1(1).** *Boscardin, M. D., & Cording, E. J. (1989). Building response to excavation-induced settlement. Journal of Geotechnical Engineering, 115, 1-21. doi:10.1061/(asce)0733-9410(1989)115:1(1).*
15. **Burland, J.B. 2001. Building Response to Tunnelling: Case Studies from Construction of the Jubilee Line Extension. Report number: CIRIA Special Publication 200.** *Burland, J.B. 2001. Building Response to Tunnelling: Case Studies from Construction of the Jubilee Line Extension. Report number: CIRIA Special Publication 200.*

7.0 Appendices

- Appendix A** **Proposed and Existing Plans**
- Appendix B** **SAS Analytical Factual Report**
- Appendix C** **Structural Loadings**
- Appendix D** **Oasys PDisp Input**
- Appendix E** **Oasys XDisp Input and Output**

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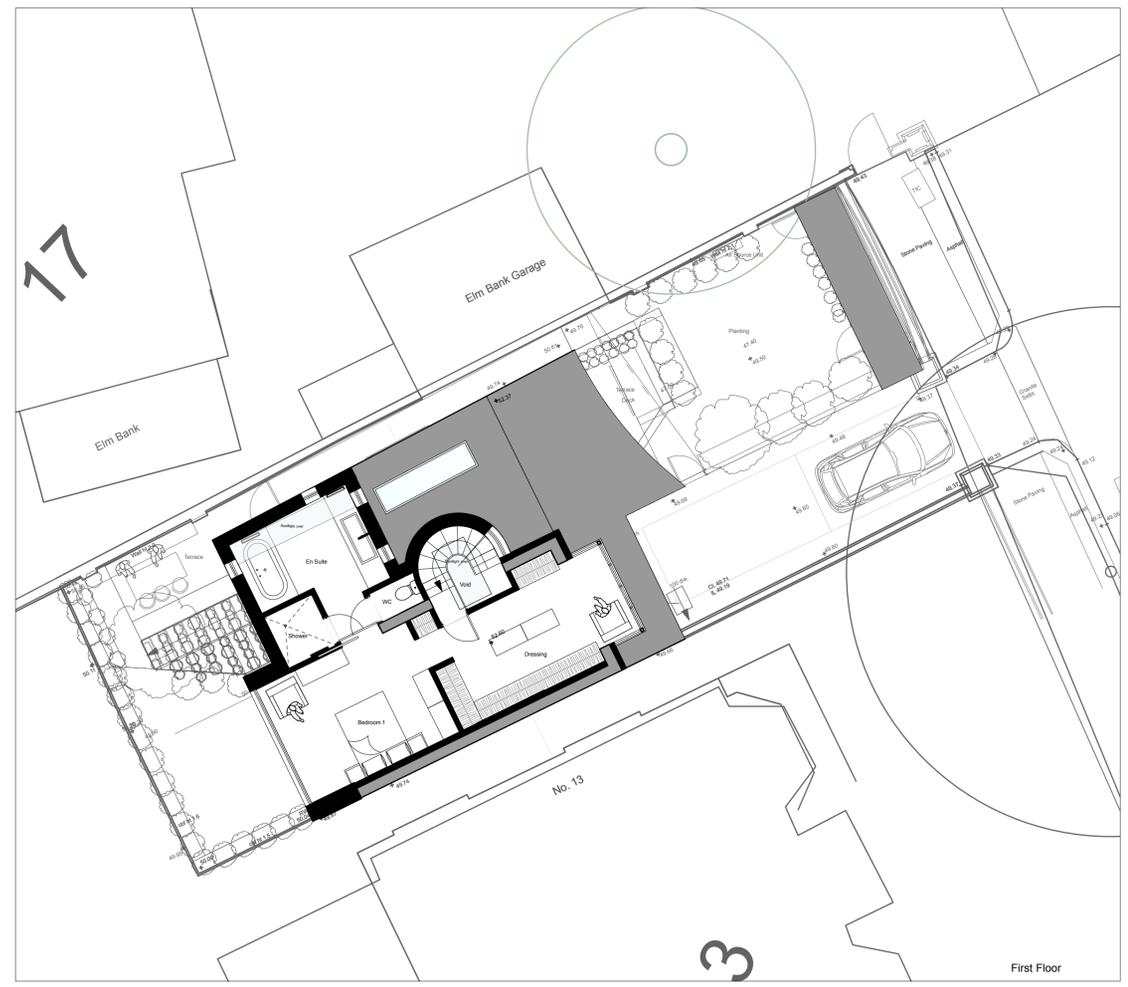
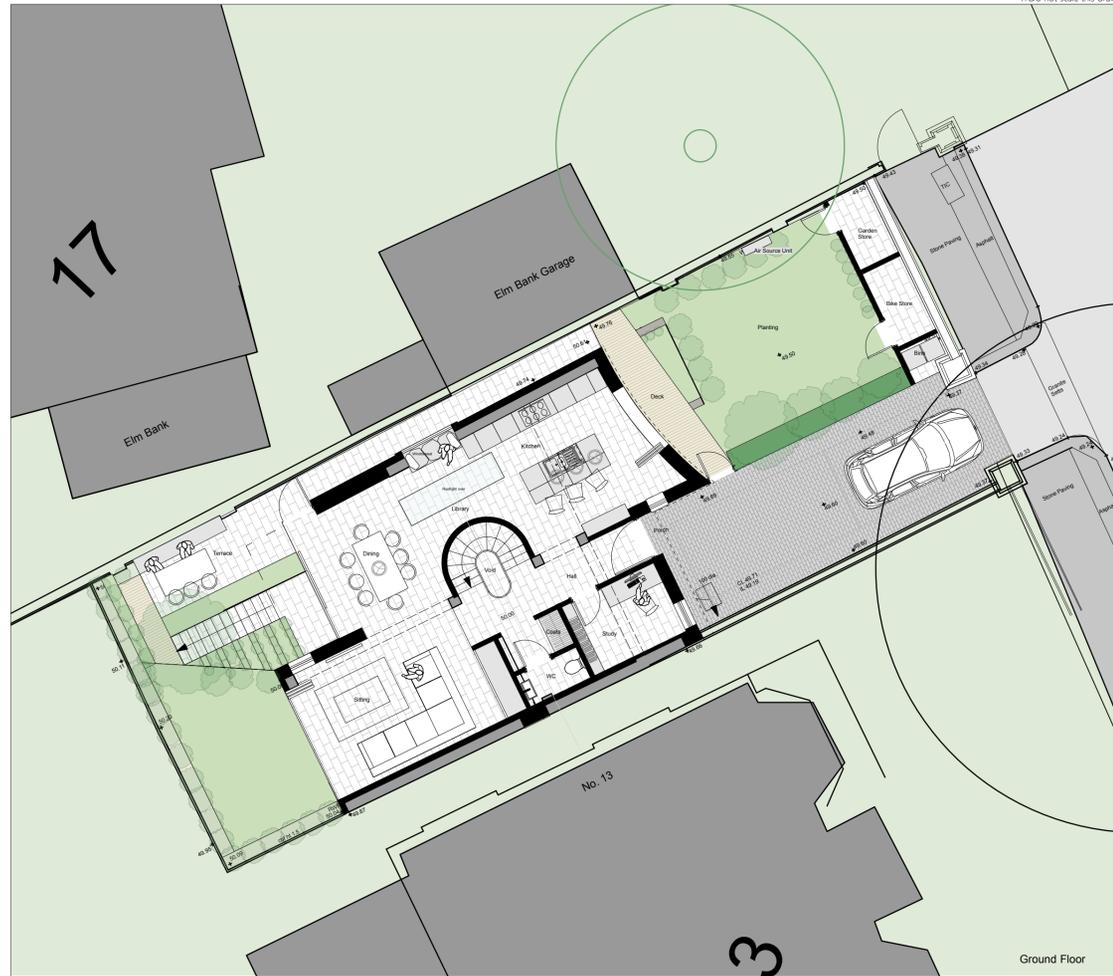
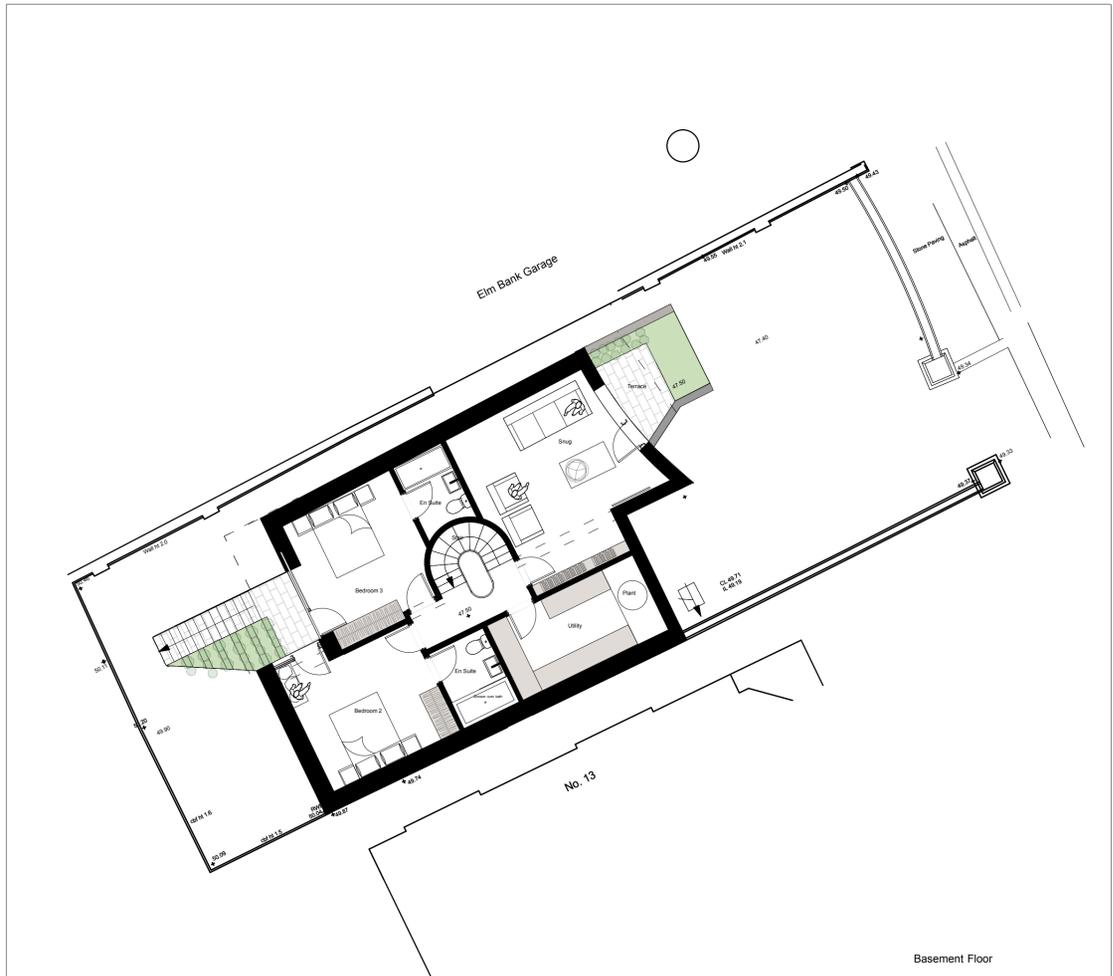
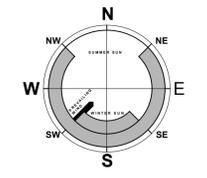
15 Lyndhurst Terrace

Ground Movement Assessment



Appendix A Proposed and Existing Plans

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- i - 12/23 Updated for application
- H - 2/11/22 - Plans Updated
- G - 19/10/22 - Plans Updated
- F - 8/10/22 - Plans Updated
- E - 5/7/22 - Plans Updated
- D - 5/6/22 - Plans Updated
- C - 26/5/22 - Plans Updated
- B - 05/5/22 - Plans Updated
- Rev A - 22/4/22 - Plans Updated

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CLIENT
 Richard and Penny Murley

PROJECT
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 Belsize Park
 London
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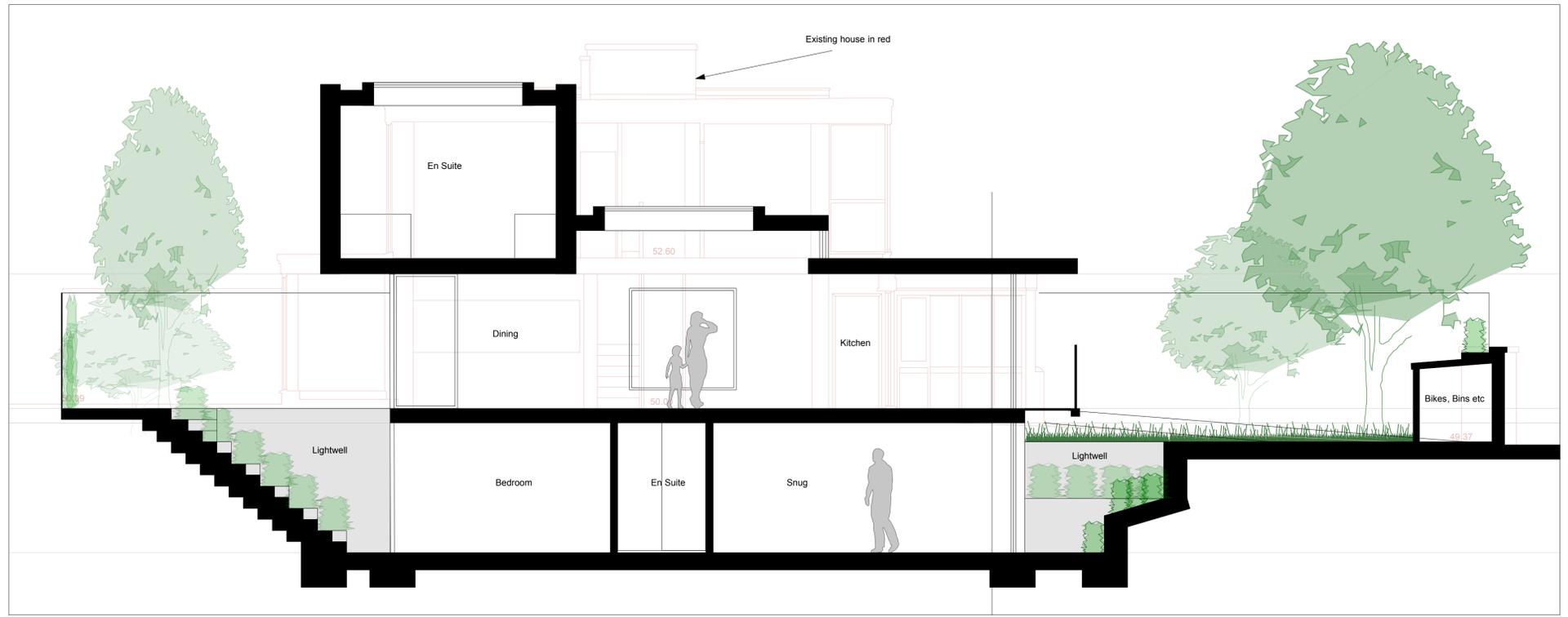
DRAWING
 Proposed Plans

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DRAWING NUMBER	JOB NUMBER	STATUS	REV
11	643	Not For Construction	i

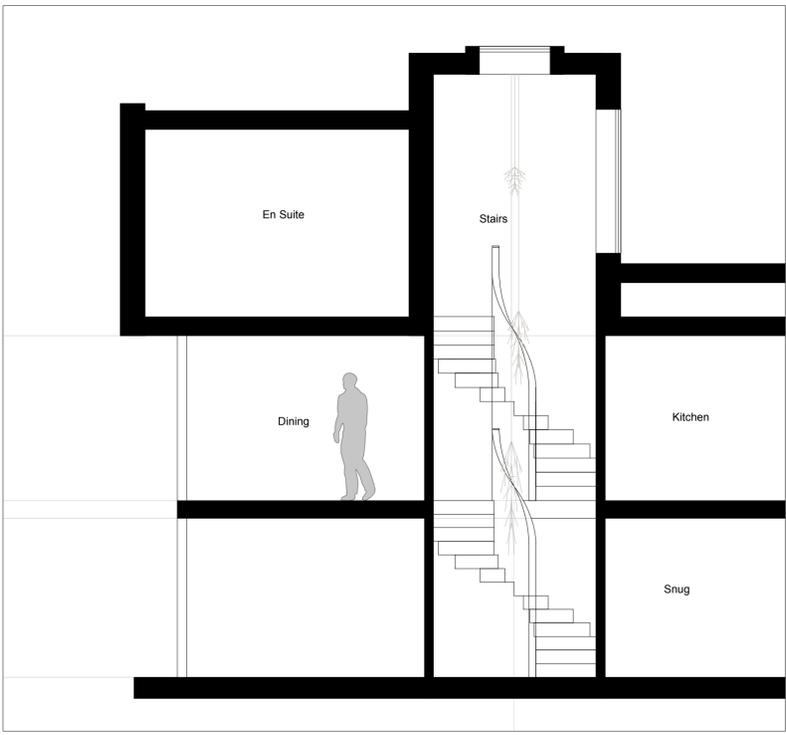
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17 M
 12
 7
 2
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Long Section



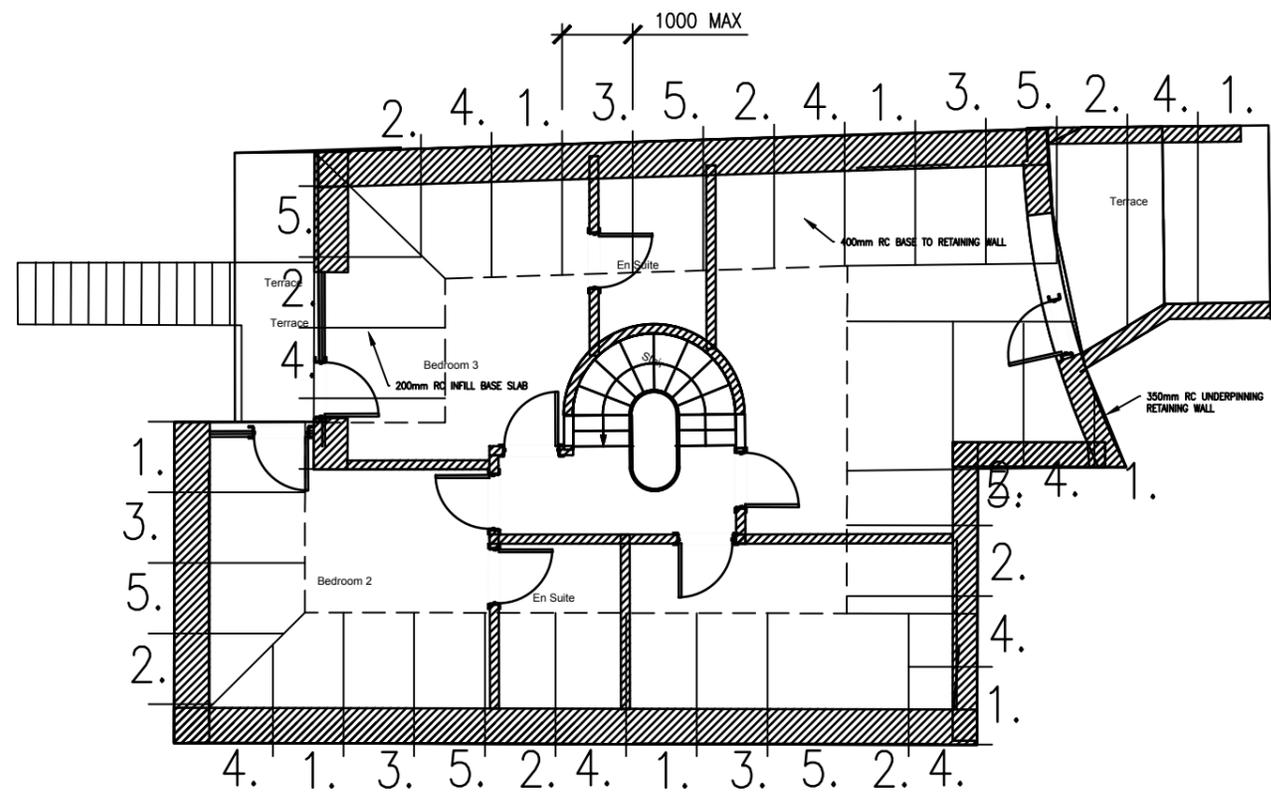
Stair Section

- E - 12/2/23 Updated for application
- D - 8/10/22 - Plans Updated
- C - 5/7/22 - Plans Updated
- B - 5/6/22 - Plans Updated
- Rev A - 05/5/22 - Plans Updated

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DRAWING Proposed Sections			
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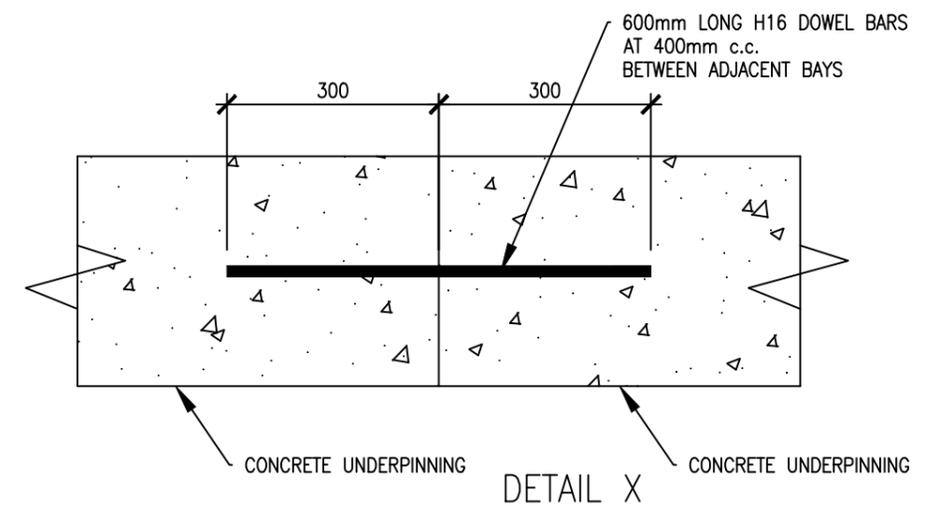
NOTE:
NO MORE THEN 2 PINS TO BE LEFT INCOMPLETE AND ANY ONE TIME.



PROPOSED BASEMENT UNDERPINNING SEQUENCE PLAN

METHOD STATEMENT FOR UNDERPINNING:

1. Underpinning to be carried out in the sequence shown, in bays 1000mm width max. Bays with the same number to be excavated simultaneously with concreting carried out immediately after exposure to avoid deterioration.
2. Excavate out by hand all bays No. 1 to the depth & width specified. Ensure that ground is level, clean and rammed if necessary. Should any ground water be encountered this may be pumped out.
3. Dowel bars to be inserted into surrounding ground on both sides as required to provide a key for the adjoining base section as per Detail X below.
4. Pour concrete to 75mm of underside of existing wall.
5. The day after concreting fill the 75mm gap with 3:1 dry pack mortar and backfill excavation.
6. Excavate by hand for base of pin ensure that ground is level, clean and rammed if necessary. Should any ground water be encountered this may be pumped out.
7. Pour concrete base.
8. Excavation of bays No. 2 of underpinning shall not be commenced until at least 48 hours after previous bay has been dry packed.
9. Continue remaining bays as per above until all underpinning is complete.
10. Any discrepancy between details indicated on the drawing and those conditions actually encountered on site should be highlighted by the main contractors site supervisory personnel.
11. Upon completion of all upper sections of pins. repeat steps 2 to 8 to construct lower section of pin.

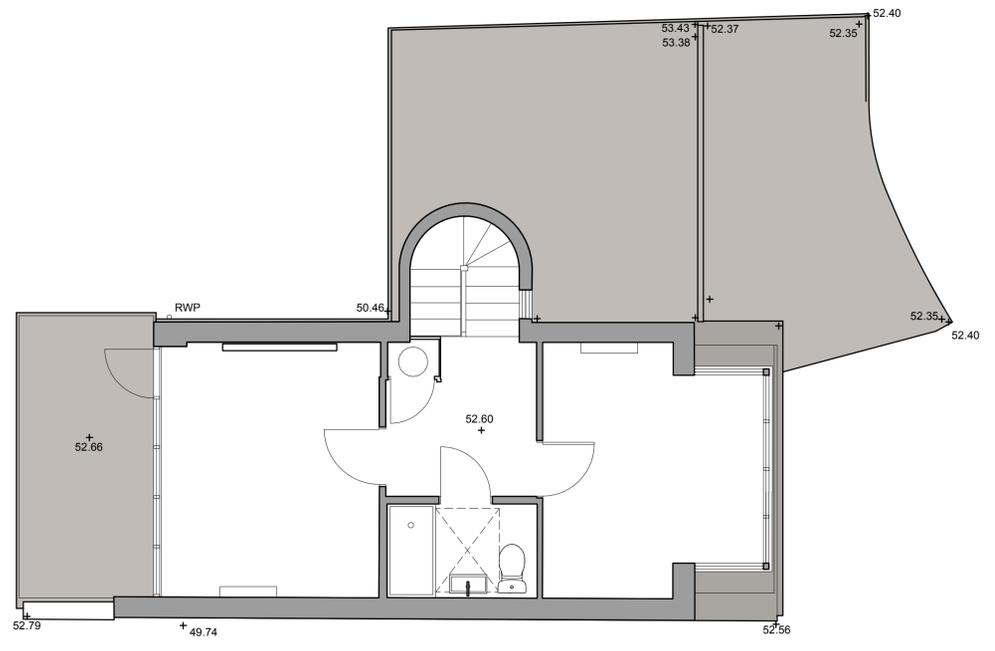
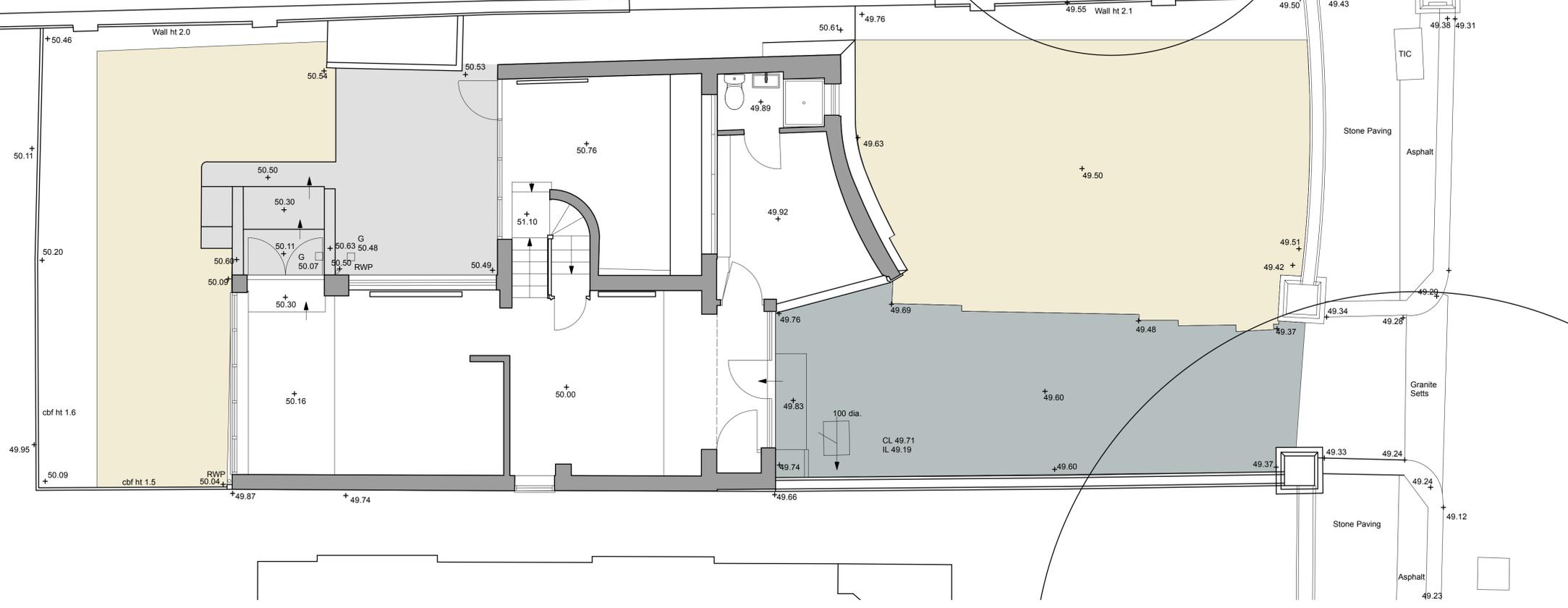


CONCRETE UNDERPINNING

DETAIL X

CONCRETE UNDERPINNING

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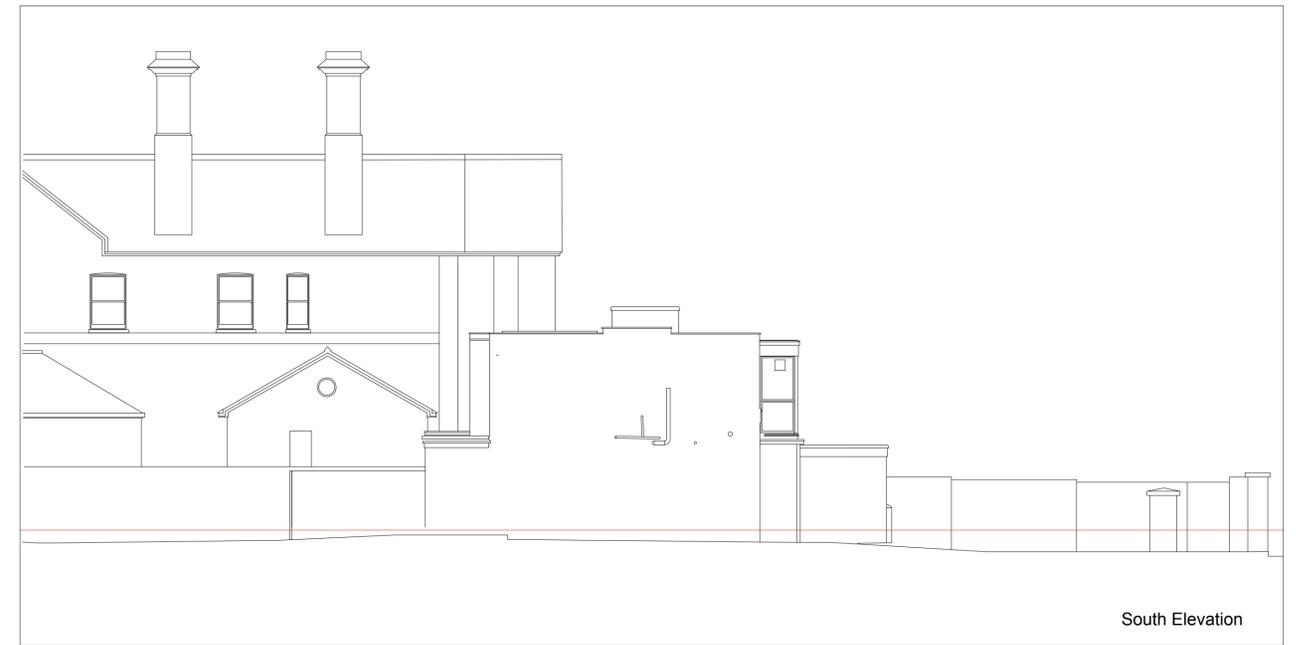
			
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CLIENT Richard and Penny Murley			
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West Elevation



South Elevation



East Elevation



North Elevation



Section AA

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15 Lyndhurst Terrace

Ground Movement Assessment



Appendix B SAS Analytical Factual Report



Units 14 + 15, River Road Business Park,
33 River Road, Barking, Essex IG11 0EA

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Tel: 0208 594 8134
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Your Ref:

Our Ref:

Ref: 15/23908
November 2015

**15 LYNDHURST TERRACE, LONDON
NW3 5QA**

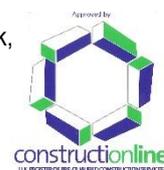
FACTUAL REPORT ON A GROUND INVESTIGATION

Prepared for

Emanuel and Carmel Mond



Reg Office: Units 14 +15, River Road Business Park,
33 River Road Barking, Essex IG11 0EA
Business Reg. No. 2255616





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1.0 INTRODUCTION

1.1 Outline and Limitations of Report

At the request of Richard Mitzman Architects LLP, acting on behalf of Emanuel and Carmen Mond, a ground investigation was carried out in connection with a proposed residential basement development at the above site. A Phase 1 Preliminary Risk Assessment (Desk Study) is presented under separate cover in Site Analytical Services Limited Report Reference 15/23908-1.

The information was required for the design and construction of foundations and infrastructure for the proposed development at the existing site.

The recommendations and comments given in this report are based on the ground conditions encountered in the exploratory holes made during the investigation and the results of the tests made in the field and the laboratory. It must be noted that there may be special conditions prevailing at the site remote from the exploratory hole locations which have not been disclosed by the investigation and which have not been taken into account in the report. No liability can be accepted for any such conditions.

2.0 SITE DETAILS

(National Grid Reference: TQ 266 853)

2.1 Site Location

The site is located on the west side of Lyndhurst Terrace in Hampstead, North London, NW3 5QA and comprises a two-storey residential property with front and rear garden areas. The site is bound by residential properties to the north, south and west.

The site covers an area of approximately 0.03 hectares and the general area is under the authority of the London Borough of Camden.

2.2 Geology

The 1:50000 Geological Survey of Great Britain (England and Wales) covering the area indicates the site to be underlain by the Claygate Member with the London Clay Formation at depth.

2.3 Previous Investigations

A Phase 1 Preliminary Risk Assessment (PRA) (SAS Report Ref: 15/23908 dated August 2015) has been undertaken across the site by Site Analytical Services Limited.

3.0 SCOPE OF WORK

3.1 Site Works

The proposed scope of works was agreed by the Client prior to the commencement of the investigation. To achieve this, the following works were undertaken:-

- The drilling of one rotary percussive borehole to a depth of 15.00m below ground level (Borehole 1).
- The drilling of two continuous flight auger boreholes to 8.00m below ground level (Boreholes 2 and 3)
- The excavation of one trial pit to 1.50m maximum depth to expose existing foundations at the site (Trial Pit 1).
- Sampling and in-situ testing as appropriate to the ground conditions encountered in the boreholes and trial pit.
- Laboratory testing to determine the engineering properties of the soils encountered in the exploratory holes.
- Factual reporting on the results of the investigation.

3.2 Ground Conditions

The locations of the exploratory holes are shown on the site sketch plan, Figure 1.

The boreholes revealed ground conditions that were consistent with the geological records and known history of the area and comprised Made Ground up to 1.20m in thickness resting on deposits of the Claygate Member with the London Clay Formation at depth.

These ground conditions are summarised in the following table. For detailed information on the ground conditions encountered in the boreholes, reference should be made to the exploratory hole records presented in Appendix A.

The levels described in the table are related to an arbitrary site datum (SD); the general site level to Ordnance Datum is taken to be approximately 98mOD.

Strata	Depth to top of strata (mbgl)	Level to top of strata (mOD)	Depth to base of strata (mbgl)	Level to base of strata (mbgl)	Description
Made Ground	0.00	-	0.40 to 1.20	48.90 to 49.54	Pea gravel/brick paving over silty sandy clay with brick fragments.
Claygate Member	0.40 to 1.20	48.90 to 49.54	0.25 (Base of TP1) to 9.40	49.24 (Base of TP1) to 40.10	Soft becoming firm and then stiff silty sandy clay with lenses of clayey silty fine sand
London Clay Formation	9.40	40.10	15.00 (Base of BH 1)	34.50	Firm becoming stiff silty sandy clay with gypsum crystals

Table A: Summary of Ground Conditions in Exploratory Holes

3.3 Groundwater

Groundwater was not encountered within Boreholes 2 and 3 or the trial pit and the soils remained essentially dry throughout. Groundwater was encountered in the Borehole 1 as detailed in Table B below.

Exploratory Hole	Depth (m)	Level (mOD)	Notes	Stratum
BH1	15.00	34.50	Very Slight Seepage	London Clay Formation

Table B: Groundwater Strike Summary

It must be noted that the speed of excavation is such that there may well be insufficient time for further light seepages of groundwater to enter the boreholes and trial pit and hence be detected, particularly within more cohesive soils.

Isolated pockets of groundwater may also be present perched within any less permeable material found at shallower depth on other parts of the site especially within any Made Ground.

Following drilling operations groundwater monitoring standpipes were installed in Boreholes 1, 2 and 3 to approximately 6.00m below ground level (43.4 to 44.49mSD). Groundwater was not subsequently encountered in these monitoring standpipes after a period of approximately two months.

It should be noted that the comments on groundwater conditions are based on observations made at the time of the investigation (July, August and September 2015) and that changes in the groundwater level could occur due to seasonal effects and also changes in drainage conditions.

4.0 IN-SITU TESTING AND LABORATORY TESTS

4.1 Standard Penetration Tests

The results of the Standard Penetration Tests carried out in the natural soils are shown on the exploratory hole records in Appendix A. SPT 'N' values range between 11 and 31 with a general increase in depth apparent.

4.2 Mackintosh Probe / Hand Vane Tests

Mackintosh Probe tests were made at regular depth increments in order to assess the relative density of the soils encountered in Boreholes 2 and 3. The results can be interpreted using the generally accepted correlation for Mackintosh Probe Tests which is as follows:

Mackintosh N75 X 0.38 = SPT 'N' Value

or

Mackintosh N300 X 0.1 = SPT 'N' Value

The results of the in-situ tests are shown on the appropriate exploratory hole records contained in Appendix A.

4.3 Undrained Triaxial Compression Test Results

Undrained Triaxial Compression tests was carried out on two undisturbed 100mm diameter samples taken from Borehole 1.

The results of the tests are presented on Table 1, contained in Appendix B.

4.4 Classification Tests

Atterberg Limit tests were conducted on three samples taken at depth in Boreholes 1, 2 and 3 and showed the samples tested to fall into Class CI according to the British Soil Classification System.

Particle size distribution tests were conducted on two selected samples taken from the natural essentially granular soils present in the borehole using wet sieving methods.

The test results are given in Table 2, contained in Appendix B.

4.5 Sulphate and pH Analyses

The results of the sulphate and pH analyses made on three soil samples are presented on Table 3 contained in Appendix B.

p.p. SITE ANALYTICAL SERVICES LIMITED



A P Smith BSc (Hons) FGS MCIWEM
Senior Geologist

5.0 REFERENCES

1. British Standards Institution, 1986. Code of practice for foundations, BS 8004, BSI, London.
2. British Standards Institution, 1990. Methods for test for soils for civil engineering purposes, BS1377, BSI, London
3. British Standards Institution, 1994. Code of practice for earth retaining structures, BS8002, BSI, London
4. British Standards Institution, 20. Code of Practice for Site Investigations, BS5930: 2015, BSI, London
5. British Standards Institution, 2004. Geotechnical Design, BS EN 1997-1 BSI, London
6. Building Research Establishment Special Digest 1, 2005, "Concrete in Aggressive Ground – Third Edition."
7. Driscoll, R (1983) "The influence of vegetation on the shrinking and swelling of clay soils in Great Britain", Geo-technique 33, 93-107
8. Eurocode 1: Actions on structures – BS EN 1991-1-1:2002: General actions – Densities, self weight and imposed loads, BSI, London
9. NHBC Standards, Chapter 4.1, "Land Quality - managing ground conditions", September 1999.
10. NHBC Standards, Chapter 4.2, "Building near Trees", April 2010.
11. Stroud M.A. and Butler F.G. (1975) Symposium on the Engineering Behaviour of Glacial Materials; the Midland Soil Mechanics and Foundation Engineering Society; pgs 124 et seq.
12. Tomlinson, M J, 2001. "Foundation Design and Construction", Seventh Edition, Prentice Hall (ISBN 0-13-031180-4).



Site Analytical Services Ltd.

REF: 15/23908

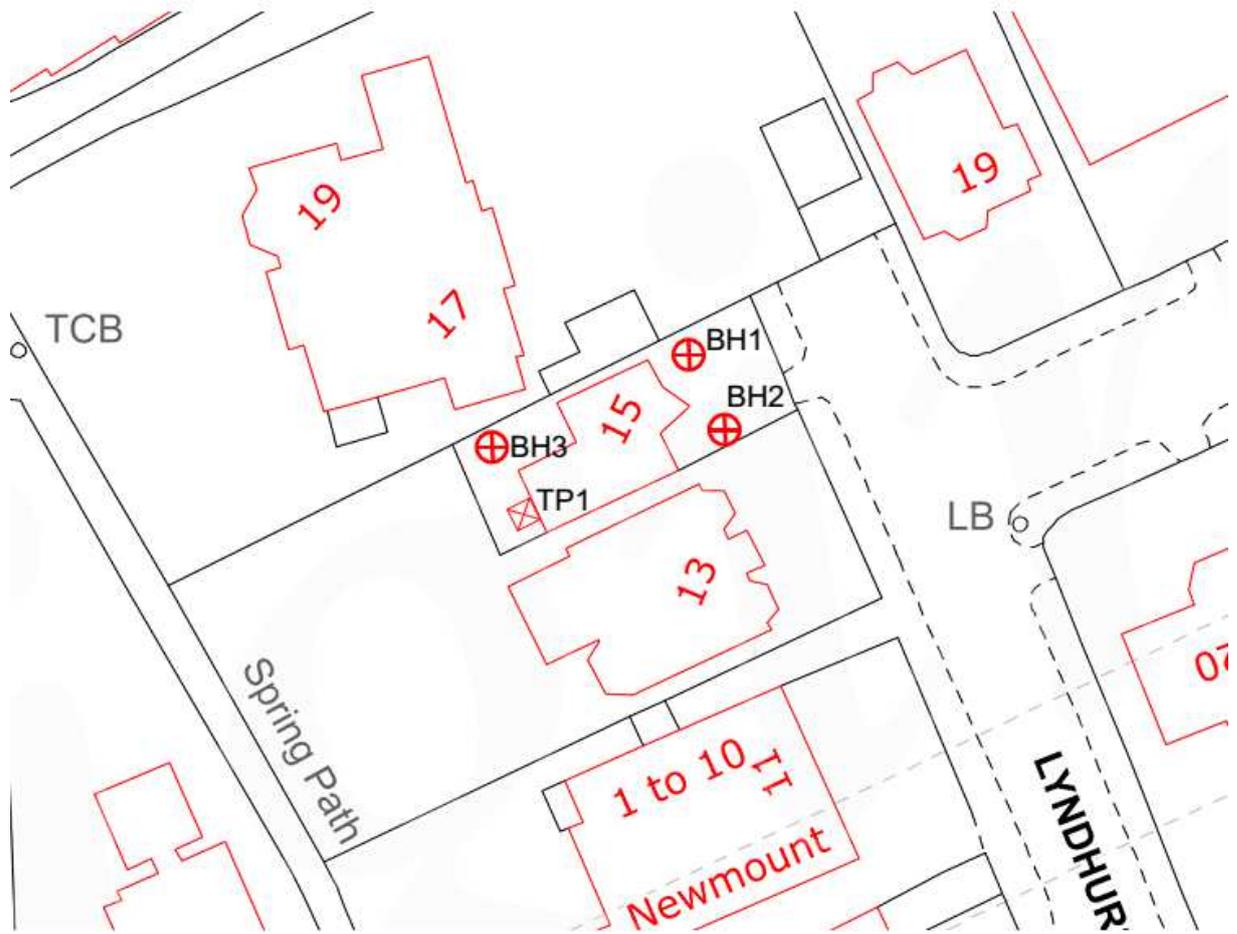
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FIG: 1

TITLE: Site Sketch Plan

DATE: Nov' 2015

SCALE: NTS





Site Analytical Services Ltd.

APPENDIX `A`

Borehole / Trial Pit Logs

Site Analytical Services Ltd.

Site 15 LYNDHURST TERRACE, LONDON, NW3 5QA	Borehole Number BH1
Client EMMANUEL AND CARMEN MOND	Job Number 1523908
Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/2

Boring Method ROTARY PERCUSSIVE	Casing Diameter 128mm cased to 0.00m	Ground Level (mSD) 49.50
	Location TQ266853	Dates 24/07/2015

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mSD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1				49.35	(0.15)	MADE GROUND: Pea gravel over a brick and hardcore rubble.		
0.50	D2				49.10	(0.13)	MADE GROUND: Silty sandy clay with occasional brick fragments.		
0.75	D3					(0.25)			
1.00-1.45	SPT(C) N=11		DRY	1,2/3,2,3,3			Firm very silty very sandy CLAY with frequent laminations of yellow silty fine sand.		
1.00	D4								
1.75	D5								
2.00-2.45	SPT N=27		DRY	3,6/7,6,7,7		(3.35)	Firm very silty very sandy CLAY with frequent laminations of yellow silty fine sand.		
2.00	D6								
2.75	D7								
3.00-3.45	SPT N=25		DRY	3,4/5,6,7,7			Firm very silty very sandy CLAY with frequent laminations of yellow silty fine sand.		
3.00	D8								
3.75	D9								
4.00-4.45	SPT N=17		DRY	3,3/4,5,4,4	45.75	3.75	Medium dense slightly clayey silty fine SAND		
4.00	D10						Medium dense slightly clayey silty fine SAND		
4.75	D11					(2.15)			
5.00-5.45	SPT N=16		DRY	3,3/4,4,4,4					
5.00	D12						Firm becoming stiff very silty very sandy CLAY with occasional laminations of yellow silty fine sand.		
6.00	D13				43.60	5.90			
6.50-6.95	SPT N=16		DRY	2,3/3,4,4,5					
6.50	D14						Firm becoming stiff very silty very sandy CLAY with occasional laminations of yellow silty fine sand.		
7.50	D15					(3.50)			
8.00-8.45	SPT N=16		DRY	2,3/4,4,4,4					
8.00	D16						Stiff dark grey brown blue silty sandy CLAY with occasional partings of silty fine sand and occasional gypsum crystals.		
9.00	D17								
9.50-9.95	U1			100 blows	40.10	9.40			
						(0.60)			

Remarks SPT = Standard Penetration Test SPT(C) = Standard Penetration Test (Cone) D = Disturbed sample U = Undisturbed 100mm diameter sample Excavating from 0.00m to 1.00m for 1 hour.	Scale (approx)	Logged By
	1:50	TM
Figure No. 1523908.BH1		

Site Analytical Services Ltd.

Site
15 LYNDHURST TERRACE, LONDON, NW3 5QA

Borehole Number
BH1

Boring Method ROTARY PERCUSSIVE	Casing Diameter 128mm cased to 0.00m	Ground Level (mSD) 49.50	Client EMMANUEL AND CARMEN MOND	Job Number 1523908
	Location TQ266853	Dates 24/07/2015	Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mSD)	Depth (m) (Thickness)	Description	Legend	Water
10.50	D18				39.50	10.00	Stiff dark grey brown blue silty sandy CLAY with occasional partings of silty fine sand and occasional gypsum crystals.		
11.00-11.45 11.00	SPT N=27 D19		DRY	3,4/5,7,7,8					
12.00	D20								
12.50-12.95	U2			110 blows		(5.00)			
13.75	D21								
14.55-15.00 14.55	SPT N=31 D22		15.00	5,6/7,7,8,9			Complete at 15.00m		
				Very slight seepage(1) at 15.00m. 24/07/2015:15.00m	34.50	15.00			

Remarks SPT = Standard Penetration Test SPT(C) = Standard Penetration Test (Cone) D = Disturbed sample U = Undisturbed 100mm diameter sample	Scale (approx)	Logged By
	1:50	TM
Figure No. 1523908.BH1		

Site Analytical Services Ltd.

Site
15 LYNDHURST TERRACE, LONDON, NW3 5QA

Borehole Number
BH2

Boring Method CONTINUOUS FLIGHT AUGER	Casing Diameter 100mm cased to 0.00m	Ground Level (mSD) 49.60	Client EMMANUEL AND CARMEN MOND	Job Number 1523908
	Location TQ266853	Dates 24/07/2015	Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/1

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mSD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1				49.55	0.05	MADE GROUND: Brick paving		
0.50	D2					(0.65)	MADE GROUND: Brown silty sandy gravelly brown clay containing brick fragments. Gravel is fine to medium of subrounded to sub angular flint		
0.75	D3				48.90	0.70	Soft becoming firm orange brown very silty very sandy CLAY with frequent laminations of yellow silty fine sand.		
1.00-1.30	D4 M1 85/300								
1.50-1.80	D5 M2 82/300								
2.00-2.30	D6 M3 97/300								
2.50-2.80	D7 M4 91/300					(3.30)			
3.00-3.30	D8 M5 107/300								
3.50-3.80	D9 M6 120/300								
4.00-4.30	D10 M7 131/300				45.60	4.00	Medium dense yellow brown slightly clayey silty fine SAND		
4.50-4.80	D11 M8 149/300								
5.00-5.30	D12 M9 158/300					(2.50)			
6.00-6.30	D13 M10 164/300								
7.00-7.30	D14 M11 173/300				43.10	6.50	Firm becoming stiff orange brown and grey very silty very sandy CLAY with occasional laminations of yellow silty fine sand.		
8.00-8.30	D15 M12 186/300			24/07/2015: DRY	41.30	8.30	Complete at 8.30m		

Remarks D = Disturbed sample M = Mackintosh Probe - Blows/Penetration (mm) Groundwater was not encountered during the excavation Excavating from 0.00m to 1.00m for 1 hour.	Scale (approx)	Logged By
	1:50	TM
Figure No. 1523908.BH1		

Site Analytical Services Ltd.

Site
15 LYNDHURST TERRACE, LONDON, NW3 5QA

Borehole Number
BH3

Boring Method CONTINUOUS FLIGHT AUGER	Casing Diameter 100mm cased to 0.00m	Ground Level (mSD) 50.50	Client EMMANUEL AND CARMEN MOND	Job Number 1523908
	Location TQ266853	Dates 24/07/2015	Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/1

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mSD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1				50.45	0.05	MADE GROUND: Pea gravel over concrete underlay		
0.50	D2					(1.15)	MADE GROUND: Brick rubble		
0.75	D3								
1.00 1.00-1.30	D4 M1 111/300				49.30	1.20	Soft orange brown very silty very sandy CLAY with frequent laminations of yellow silty fine sand.		
1.50 1.50-1.80	D5 M2 80/300								
2.00 2.00-2.30	D6 M3 85/300								
2.50 2.50-2.80	D7 M4 97/300					(2.80)			
3.00 3.00-3.30	D8 M5 106/300								
3.50 3.50-3.80	D9 M6 102/300								
4.00 4.00-4.30	D10 M7 125/300				46.50	4.00	Firm becoming stiff orange brown very silty very sandy orange brown CLAY with laminations of yellow silty fine sand.		
4.50 4.50-4.80	D11 M8 130/300								
5.00 5.00-5.30	D12 M9 140/300								
6.00 6.00-6.30	D13 M10 158/300					(4.30)			
7.00 7.00-7.30	D14 M11 162/300								
8.00 8.00-8.30	D15 M12 184/300			24/07/2015: DRY	42.20	8.30	Complete at 8.30m		

Remarks D = Disturbed sample M = Mackintosh Probe - Blows/Penetration (mm) Groundwater was not encountered during the excavation Excavating from 0.00m to 1.00m for 1 hour.	Scale (approx) 1:50	Logged By TM
	Figure No. 1523908.BH3	

Site Analytical Services Ltd.

Site 15 LYNDHURST TERRACE, LONDON, NW3 5QA	Borehole Number BH1
Client EMMANUEL AND CARMEN MOND	Job Number 1523908
Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/1

Installation Type Single Installation	Dimensions Internal Diameter of Tube [A] = 19 mm Diameter of Filter Zone = 128 mm
Location TQ266853	Ground Level (mSD) 49.50

Legend	Water	Instr (A)	Level (mSD)	Depth (m)	Description	Groundwater Strikes During Drilling										
						Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)	
			48.50	1.00	Bentonite Seal	24/07/15		15.00	0.00	Very slight seepage						
			46.50	3.00	Cement/Bentonite Grout	Groundwater Observations During Drilling										
			43.70 43.50	5.80 6.00	Sand Filter	Date		Start of Shift				End of Shift				
						Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	
						24/07/15					DRY		15.00		15.00	34.50
			34.50	15.00	Piezometer Tip	Instrument Groundwater Observations										
						Inst. [A] Type : Standpipe Piezometer										
			34.50	15.00	General Backfill	Instrument [A]			Remarks							
						Date	Time	Depth (m)					Level (mOD)			

Remarks
Lockable cover set in concrete.

Site Analytical Services Ltd.

Site 15 LYNDHURST TERRACE, LONDON, NW3 5QA	Borehole Number BH2
Client EMMANUEL AND CARMEN MOND	Job Number 1523908
Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/1

Installation Type Single Installation	Dimensions Internal Diameter of Tube [A] = 19 mm Diameter of Filter Zone = 128 mm
Location TQ266853	Ground Level (mSD) 49.60

Legend	Water	Instr (A)	Level (mSD)	Depth (m)	Description	Groundwater Strikes During Drilling														
						Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)					
					Bentonite Seal															
			48.60	1.00																
					Cement/Bentonite Grout	Groundwater Observations During Drilling														
						Start of Shift					End of Shift									
						Date	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)				
			46.60	3.00		24/07/15				DRY			8.30			DRY				
					Sand Filter	Instrument Groundwater Observations														
						Inst. [A] Type : Standpipe Piezometer														
						Instrument [A]			Remarks											
					Date	Time	Depth (m)	Level (mOD)												
			43.80	5.80	Piezometer Tip															
			43.60	6.00																

Remarks
Lockable cover set in concrete.

Site Analytical Services Ltd.

Site 15 LYNDHURST TERRACE, LONDON, NW3 5QA	Borehole Number BH3
Client EMMANUEL AND CARMEN MOND	Job Number 1523908
Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/1

Installation Type Single Installation	Dimensions Internal Diameter of Tube [A] = 19 mm Diameter of Filter Zone = 128 mm
Location TQ266853	Ground Level (mSD) 50.50

Legend	Water	Instr (A)	Level (mSD)	Depth (m)	Description	Groundwater Strikes During Drilling															
						Date	Time	Depth Struck (m)	Casing Depth (m)	Inflow Rate	Readings				Depth Sealed (m)						
					Bentonite Seal																
			49.50	1.00		Groundwater Observations During Drilling															
					Cement/Bentonite Grout	Instrument Groundwater Observations															
						Start of Shift					End of Shift										
						Date	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)	Time	Depth Hole (m)	Casing Depth (m)	Water Depth (m)	Water Level (mOD)					
			47.50	3.00		24/07/15				DRY		8.30			DRY						
					Sand Filter	Inst. [A] Type : Standpipe Piezometer															
						Date	Instrument [A]			Remarks											
						Time	Depth (m)	Level (mOD)													
			44.70	5.80	Piezometer Tip																
			44.50	6.00																	

Remarks
Lockable cover set in concrete.

Site Analytical Services Ltd.

Site
15 LYNDHURST TERRACE, LONDON, NW3 5QA

Trial Pit Number
TP1

Method
Trial Pit

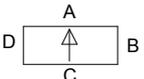
Dimensions
300 x 300

Ground Level (mSD)
50.09

Client
EMMANUEL AND CARMEN MOND

Job Number
1523908

Orientation

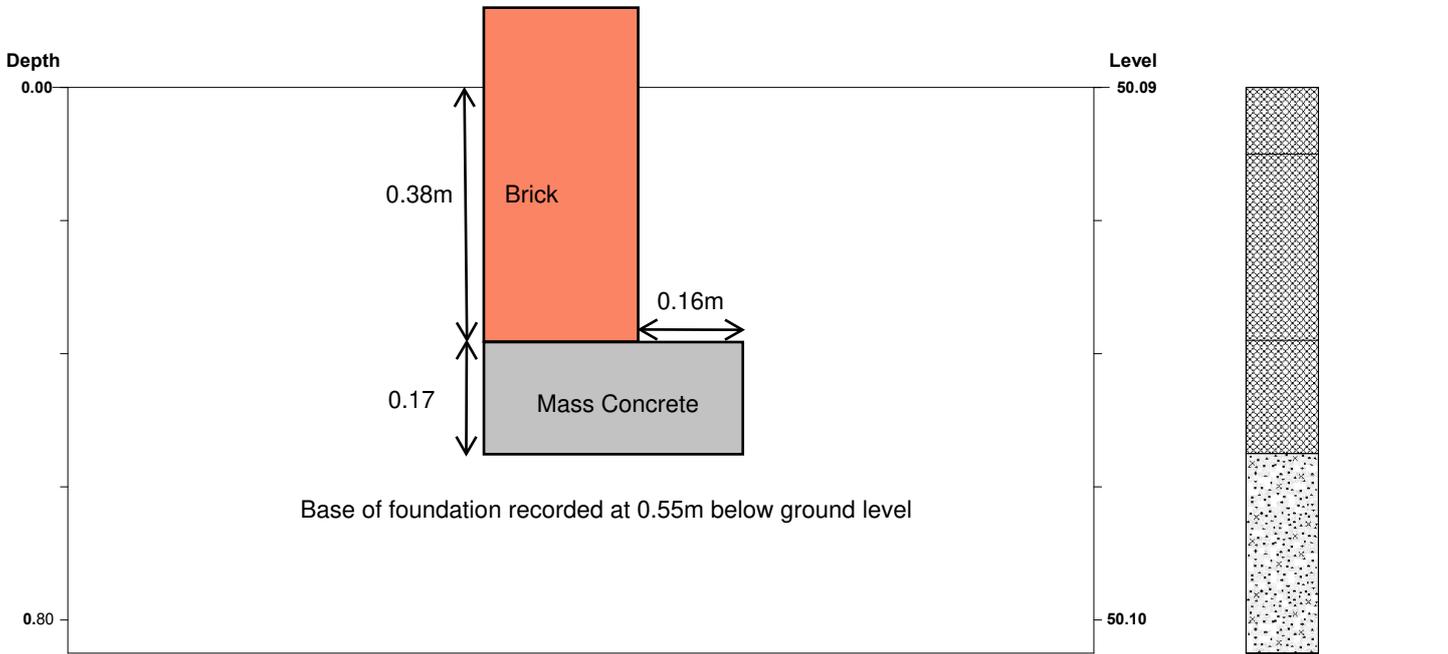


Location
TQ 266 853

Dates
24/07/2015

Architect
RICHARD MITZMAN ARCHITECTS LLP

Sheet
1/1



Strata			Samples and Tests		
Depth (m)	No.	Description	Depth (m)	Type	Field Records
0.00-0.10	1	MADE GROUND : Pea gravel over brick paving underlay			
0.10-0.38	2	MADE GROUND : Soft silty very sandy clay	0.25	D1	
0.38-0.55	3	MADE GROUND : Loose silty fine sand with occasional brick fragments	0.55	D2	
0.55-0.85	4	Loose yellow brown silty fine sand	0.55-0.85	M1 45/300	

Excavation Method:
HAND EXCAVATION

Shoring / Support:
N/A

Stability:
Good

Backfill:
Arisings

Remarks
Groundwater was not encountered during the excavation
M = Mackintosh Prove - Blows/Penetration (mm)
For details of foundation exposed - see sketch

Logged By : APS
Checked By : JW
Figure No. : 1523908.TP1

Site Analytical Services Ltd.

Site
15 LYNDHURST TERRACE, LONDON, NW3 5QA

Trial Pit Number
TP1

Excavation Method HAND EXCAVATION	Dimensions 300 x 300	Ground Level (mSD) 50.09	Client EMMANUEL AND CARMEN MOND	Job Number 1523908
	Location TQ 266 853	Dates 24/07/2015	Architect RICHARD MITZMAN ARCHITECTS LLP	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mSD)	Depth (m) (Thickness)	Description	Legend	Water
0.25	D1		24/07/2015:DRY	49.99	0.10 (0.28)	MADE GROUND : Pea gravel over brick paving underlay		
0.55	D2			49.71	0.38 (0.17)	MADE GROUND : Soft silty very sandy clay		
0.55-0.85	M1 45/300			49.54	0.55 (0.30)	MADE GROUND : Loose silty fine sand with occasional brick fragments		
				49.24	0.85	Loose yellow brown silty fine sand		
						Complete at 0.85m		

Plan 	Remarks Groundwater was not encountered during the excavation M = Mackintosh Prove - Blows/Penetration (mm) For details of foundation exposed - see sketch		
	Scale (approx) 1:50	Logged By APS	Figure No. 1523908.TP1



Site Analytical Services Ltd.

APPENDIX `B`

Laboratory Test Data



**UNDRAINED TRIAXIAL
COMPRESSION TEST**

LOCATION 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA

BH/TP No.	MOISTURE CONTENT	BULK DENSITY	LATERAL PRESSURE	COMPRESSIVE STRENGTH	COHESION	ANGLE OF SHEARING RESISTANCE	DEPTH
	%	Mg/m ³	kN/m ²	kN/m ²	kN/m ²	degrees	m
BH1	23	2.04	250	196	98		9.75
	24	2.01	190	298	149		12.75

Table 1



**PLASTICITY INDEX &
MOISTURE CONTENT
DETERMINATIONS**

LOCATION 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA

BH/TP No.	Depth m	Natural Moisture %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Passing 425 µm %	Class
BH1	1.75	21	39	18	21	100	CI
BH2	3.00	19	41	16	25	100	CI
	4.00	19	39	15	24	97	CI



**SULPHATE & pH
DETERMINATIONS**

LOCATION 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA

BH/TP No.	DEPTH BELOW GL m	SOIL SULPHATES		WATER SULPHATES	pH	CLASS	SOIL - 2mm %
		TOTAL AS SO ₄ %	WATER SOL AS SO ₄ g/l	AS SO ₄ g/l			
BH1	6.00		0.04		5.4	DS-1	100
BH2	2.00		0.02		4.1	DS-1	100
BH3	8.00		0.03		4.9	DS-1	100

Classification – Tables C1 and C2 : BRE Special Digest 1 : 2005



GROUNDWATER MONITORING

LOCATION 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA

MONITORING DATE 30th July 2015

BOREHOLE REF:		BH1	BH2	BH3
Water Level	(m.bgl)	DRY	DRY	DRY
Depth to base of well	(m.bgl)	6.10	6.19	6.01
Depth to base of well	(mSD)	43.4	43.41	44.49



GROUNDWATER MONITORING

LOCATION 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA

MONITORING DATE 21st August 2015

BOREHOLE REF:		BH1	BH2	BH3
Water Level	(m.bgl)	DRY	DRY	DRY
Depth to base of well	(m.bgl)	6.10	6.19	6.01
Depth to base of well	(mSD)	43.4	43.41	44.49



GROUNDWATER MONITORING

LOCATION 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA

MONITORING DATE 28th September 2015

BOREHOLE REF:		BH1	BH2	BH3
Water Level	(m.bgl)	DRY	DRY	DRY
Depth to base of well	(m.bgl)	6.10	6.19	6.01
Depth to base of well	(mSD)	43.4	43.41	44.49

GROUNDWATER MONITORING**LOCATION** 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA**MONITORING DATE** 12th December 2016

BOREHOLE REF:		BH1	BH2	BH3
Water Level	(m.bgl)	DRY	DRY	DRY
Depth to base of well	(m.bgl)	6.10	6.19	6.01
Depth to base of well	(mSD)	43.40	43.41	44.49

GROUNDWATER MONITORING**LOCATION** 15 Lyndhurst Terrace, Hampstead, London, NW3 5QA**MONITORING DATE** 22nd February 2017

BOREHOLE REF:		BH1	BH2	BH3
Water Level	(m.bgl)	DRY	DRY	DRY
Depth to base of well	(m.bgl)	6.10	6.19	6.01
Depth to base of well	(mSD)	43.40	43.41	44.49

083460-CUR-XX-XX-T-GE-00001

15 Lyndhurst Terrace

Ground Movement Assessment



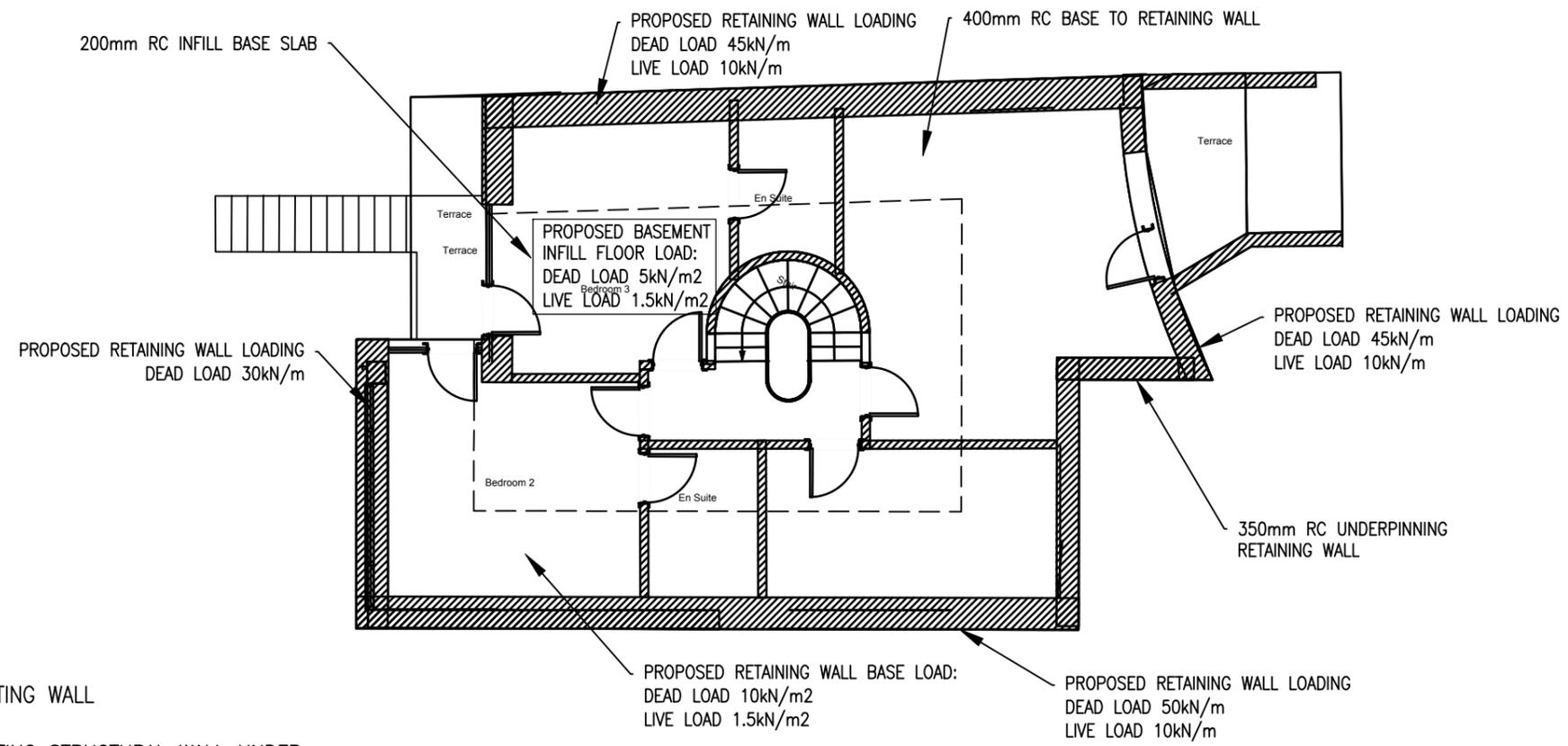
Appendix C Structural Loadings

STRUCTURAL MEMBER SCHEDULE	
REF.	MEMBER SIZE
BEAMS	
B1	250x50 TIMBER JOIST @ 400mm c.c.
B2	254x254x73 UC
B3	305x305x97 UC
B1	250x50 TIMBER JOIST @ 400mm c.c.
COLUMNS	
C1	xx

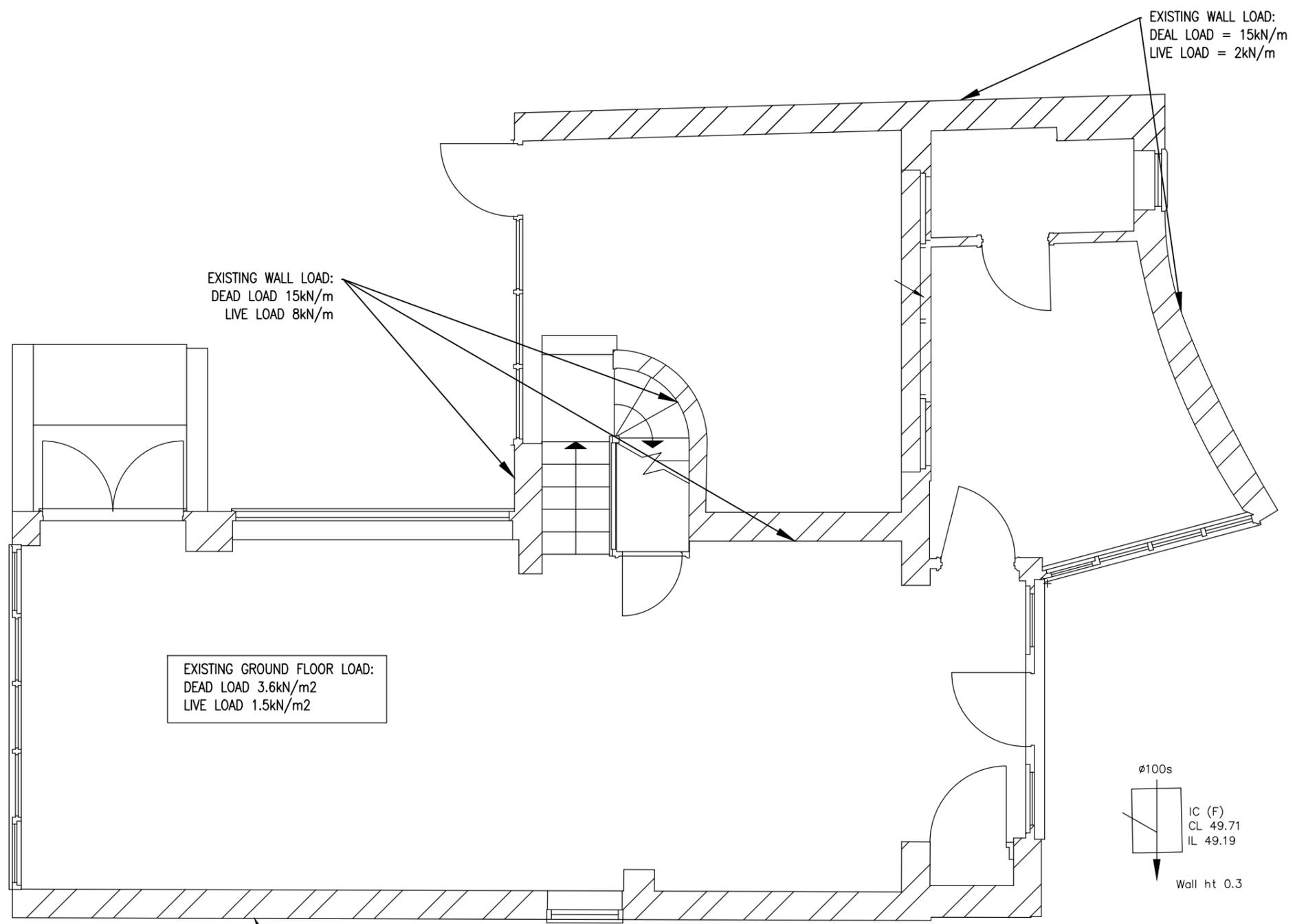
- NOTES:**
- All timbers to be C16 unless noted otherwise.
 - Non-loadbearing stud partitions to be constructed with 100mm x 50mm studs at 400mm centres.
 - Provide 2 rows of noggings on all stud partitions.
 - Ensure legs of hangers turned over back of wall plate before fixing.
 - Use 30x5x1200 straps at 1500 c/c to all roof timbers and roof joists.
 - Timber beams to be bolted together as required with M10 bolts @ min 600 c/c.
 - All concrete to be grade C35N20 UNO.
 - All steel to be grade S275 UNO.

LEGEND

-  EXISTING WALL
-  EXISTING STRUCTURAL WALL UNDER
-  EXISTING WALL TO BE DEMOLISHED
-  NEW STRUCTURAL WALL
-  NEW STUD PARTITIONS



STRUCTURAL MEMBER SCHEDULE	
REF.	MEMBER SIZE
BEAMS	
ExB1	TBC
ExB2	TBC
ExB3	TBC
ExB4	TBC



LEGEND

-  EXISTING WALL
-  EXISTING STRUCTURAL WALL UNDER
-  TRIAL HOLES

083460-CUR-XX-XX-T-GE-00001

15 Lyndhurst Terrace

Ground Movement Assessment



Appendix D Oasys PDisp Input



Titles

Job No.:
Job Title:
Sub-title:
Calculation Heading:
Initials:
Checker:
Date Saved:
Date Checked:
Notes:
File Name: Imported XDisp.pdd
File Path: \\LOFS03\Projects\083000.000-083999.000\083460 - 15
Lyndhurst Terrace GMA\Q4-Production\45-Documentation\GE\PO1

History

Date	Time	By	Notes
17-Mar-2023	12:18	Liam.Pallett	New
17-Mar-2023	12:23	Liam.Pallett	
20-Mar-2023	13:37	Liam.Pallett	
24-Mar-2023	11:00	Liam.Pallett	
29-Mar-2023	11:33	Liam.Pallett	

Analysis Options

General

Global Poisson's ratio: 0.20
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: 35.00 [m OD]
Displacements at load centroids: Yes
GSA piled raft data : No

Elastic

Elastic : Yes

Consolidation

Consolidation : No

Soil Profiles Soil Profile 1

Layer ref.	Name	Level at top	Number of intermediate displacement levels	Youngs Modulus : Top	Youngs Modulus : Btm.	Poissons ratio	Non-linear curve
1	Made Ground	50.000	5	3000.0	3000.0	0.20000	None
2	CGM/LC	49.100	5	8000.0	28000.0	0.20000	None

Soil Zones

Zone	Name	X min	X max	Y min	Y max	Profile
1	Soil Zone #	526590.0	526660.0	185340.0	185380.0	Soil Profile 1

Polygonal Load Data

Load ref.	Name	Position : Level	Position : Polygon	Coords. : Rect. tolerance	No. of Rectangles	Value : Normal (local z)
1	Slab Load + Soil Removal	47.10000	(5.27e+05,1.85e+05)	(5.27e+05,1.85e+05)	10.000	5 -45.900
2	1	47.10000	(5.27e+05,1.85e+05)	(5.27e+05,1.85e+05)	10.000	1 60.000
3	2	47.10000	(5.27e+05,1.85e+05)	(5.27e+05,1.85e+05)	10.000	1 30.000
4	3	47.10000	(5.27e+05,1.85e+05)	(5.27e+05,1.85e+05)	10.000	6 55.000
5	4	47.10000	(5.27e+05,1.85e+05)	(5.27e+05,1.85e+05)	10.000	4 55.000

Polygonal Loads' Rectangles

No.	Centre : x	Centre : y	Angle of local x from global X [Degrees]	Width [m]	Depth [m]
Load 1 : Slab Load + Soil Removal (Edge 1 optimal)					
1	526617.29227	185355.85942	-64.966	4.1123	10.799
2	526618.82834	185363.64524	-64.966	0.061757	5.3558
3	526617.07593	185360.60208	-64.966	4.0690	11.302
4	526615.46019	185357.81340	-64.966	0.064273	10.540
5	526618.13693	185358.54738	-64.966	0.19686	9.1887
Load 2 : 1 (Edge 2 optimal)					
1	526617.89383	185354.42900	25.145	10.813	1.0191
Load 3 : 2 (Edge 1 optimal)					
1	526612.54081	185354.20102	117.51	3.0781	1.0435
Load 4 : 3 (Edge 1 optimal)					
1	526614.38777	185361.45769	-64.234	0.064592	5.3349
2	526616.34591	185361.84524	-64.234	1.1224	10.834
3	526617.16840	185361.60708	-64.234	0.052918	9.6230
4	526621.07348	185363.08945	-64.234	0.052918	6.8736
5	526628.48539	185365.80622	-64.234	0.052918	4.1242
6	526642.03558	185370.68362	-64.234	0.052918	1.3747
Load 5 : 4 (Edge 2 optimal)					
1	526621.03250	185358.35755	115.12	3.3212	1.0994
2	526621.13349	185360.89469	115.12	1.0808	3.7307
3	526623.42832	185362.82695	115.12	0.85438	1.2060
4	526621.03104	185362.86262	115.12	0.85438	1.1204

Displacement Lines

Name	X1	Y1	Z1	X2	Y2	Z2	Intervals	Calculate	Detailed Results
W1	526630.05000	185344.40000	50.00000	526624.60000	185355.35000	50.00000	8	Yes	No
W2	526624.60000	185355.35000	50.00000	526610.09870	185348.20980	50.00000	10	Yes	No
W3	526610.09870	185348.20980	50.00000	526613.25000	185341.80000	50.00000	5	Yes	No
W4	526608.45000	185375.80000	50.00000	526611.00000	185364.85000	50.00000	10	Yes	No
W5	526611.00000	185364.85000	50.00000	526596.64000	185360.73200	50.00000	10	Yes	No
W6	526611.00000	185364.85000	50.00000	526611.70000	185362.40000	50.00000	2	Yes	No
W7	526611.71730	185362.40070	50.00000	526606.39000	185360.88310	50.00000	2	Yes	No
W8	526606.40000	185360.90000	50.00000	526605.70000	185363.30000	50.00000	2	Yes	No
W9	526619.78680	185369.88570	50.00000	526621.65090	185366.10390	50.00000	2	Yes	No
W10	526621.65090	185366.10390	50.00000	526616.65580	185363.53730	50.00000	2	Yes	No
W11	526616.65580	185363.53730	50.00000	526614.65580	185367.45380	50.00000	2	Yes	No
W12	526619.78700	185369.88600	50.00000	526614.65600	185367.45400	50.00000	2	Yes	No
Lyndhurst Terrace 1	526630.45000	185370.50000	50.00000	526639.50000	185349.70000	50.00000	10	Yes	No

Name	X1	Y1	Z1	X2	Y2	Z2	Intervals	Calculate	Detailed
	[m]	[m]	[m]	[m]	[m]	[m]	[No.]		Results
Lyndhurst Terrace 2	526637.70000	185374.10000	50.00000	526643.20520	185362.48410	50.00000	10	Yes	No
Lyndhurst Terrace 3	526643.20500	185362.48410	50.00000	526652.70000	185365.60000	50.00000	10	Yes	No
Lyndhurst Terrace 4	526656.55000	185357.85000	50.00000	526647.85000	185353.10000	50.00000	10	Yes	No

Displacement Grids

Name	Extrusion: Direction	X1	Y1	Z1	X2	Y2	Z2	Intervals Along Line [No.]	Extrusion: Distance [m]	Extrusion: Intervals Along [No.]	Calculate	Detailed
		[m]	[m]	[m]	[m]	[m]	[m]	[No.]	[m]	[No.]		Results
Grid 1	Global Y	526591.41989	185338.93743	47.10000	526663.24415	-	47.10000	100	42.51722	75	Yes	No

083460-CUR-XX-XX-T-GE-00001

15 Lyndhurst Terrace

Ground Movement Assessment



Appendix E Oasys XDisp Input and Output



Titles

Job No.: 078070
Job Title: 15 Lyndhurst Terrace
Sub-title: Damage Assessment
Initials: APS
Checker: APS
Date Saved: 29-Mar-2023
Date Checked:
Notes:
File Name: Final - LP.xdd
File Path: \\LOFS03\Projects\083000.000-083999.000\083460 - 15 Lyndhurst Terrace GMA\Q4-Production\45-Documentation\GE\PO1

History

Table with columns: Date, Time, By, Notes. Shows a log of file updates from 06-Jan-2021 to 29-Mar-2023.

Displacement Lines

Table with columns: Ref., Name, x1, y1, z1, x2, y2, z2, Intervals, Surface type, Interpolate imported, Calculate. Lists 16 displacement lines with coordinates and surface types.

Displacement Grids

Table with columns: Ref., Name, Extrusion: Direction, Base line start: X, Base line start: Y, Base line start: Z, Base line end: X, Base line end: Y, Base line end: Z, Extrusion: Distance, Extrusion: Intervals, Surface type, Calculate. Shows one grid (Grid 1) with global X direction.

Polygonal Excavations

Excavation 1 details: Ref. 1, Excavation Name: Excavation 1, Surface level: 50.000, Contribution: Positive. Includes corner data table and side data table with G.M. Curve: Vertical and Horizontal.

Excavation 2 details: Ref. 2, Excavation Name: Excavation 2, Surface level: 50.000, Contribution: Positive. Includes corner data table and side data table with G.M. Curve: Vertical and Horizontal.

Excavation 3 details: Ref. 3, Excavation Name: Copy of Excavation 1, Surface level: 50.000, Contribution: Positive. Includes corner data table and side data table with G.M. Curve: Vertical and Horizontal.

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side	Prev. Side	Prev. Side	Next Side	Next Side	Next Side
	[m]	[m]	[m]		Yes	d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
4	526620.	185360.	47.100	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Ref. 4
Excavation Name: Copy of Excavation 2
Surface level [m]: 50.000
Contribution: Positive

Side	x1	y1	x2	y2	G.M. Curve:	Vertical	G.M. Curve:	Horizontal
	[m]	[m]	[m]	[m]				
1	526610.	185360.	526610.	185350.	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))		
2	526610.	185350.	526620.	185360.	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))		
3	526620.	185360.	526620.	185360.	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))		
4	526620.	185360.	526610.	185360.	No vertical ground movement	No horizontal ground movement		

Ref. 4
Excavation Name: Copy of Excavation 2
Surface level [m]: 50.000
Contribution: Positive

Corner	x	y	Base Level	Arc Enabled	Stiffened	Prev. Side	Prev. Side	Prev. Side	Next Side	Next Side	Next Side
	[m]	[m]	[m]		Yes	d	p1	p2*	d	p1	p2*
						[m]	[%]	[%]	[m]	[%]	[%]
1	526610.	185360.	47.100	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	526620.	185360.	47.100	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	526620.	185360.	47.100	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	526620.	185360.	47.100	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000
5	526610.	185360.	47.100	Yes	Yes	0.0	67.000	25.000	0.0	67.000	25.000

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 secant bored pile wall in stiff clay (CIRIA C760 Fig. 6.8(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][2.000,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.5E-2x + 5.0E-2
Coeff. of Determination: 1.0

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-3x⁴ + 2.8495E-2x³ - 1.0051E-1x² + 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 secant bored pile wall in stiff clay (CIRIA C760 Fig. 6.8(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) (%)]
[0.000,0.000,0.081][0.050,0.000,0.076][0.100,0.000,0.072][0.150,0.000,0.067][0.200,0.000,0.063][0.250,0.000,0.059][0.300,0.000,0.056][0.350,0.000,0.052][0.400,0.000,0.049][0.450,0.000,0.045][0.500,0.000,0.043][0.550,0.000,0.040][0.600,0.000,0.037][0.650,0.000,0.034][0.700,0.000,0.032][0.750,0.000,0.029][0.800,0.000,0.027][0.850,0.000,0.024][0.900,0.000,0.022][0.950,0.000,0.020][1.000,0.000,0.018][1.050,0.000,0.016][1.100,0.000,0.014][1.150,0.000,0.012][1.200,0.000,0.011][1.250,0.000,0.009][1.300,0.000,0.007][1.350,0.000,0.005][1.400,0.000,0.004][1.450,0.000,0.002][1.500,0.000,0.000]

Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = -1.0610E-2x³ + 4.4203E-2x² - 9.6358E-2x + 8.0901E-2
Coeff. of Determination: 1.0000

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]

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
		1 (Very Slight)	2 (Slight)	3 (Moderate)	4 (Severe)

Specific Buildings - Geometry

Ref.	Building Name	Sub-Building Name	Displacement Line	Distance Along Line: Start	Distance Along Line: End	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
1	No. 13	No. 13 Front Wall	W1	0.00000	12.23100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
2	No. 13	No. 13 Side Wall	W2	0.00000	16.16300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
3	No. 13	No. 13 Rear Wall	W3	0.00000	7.14200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
4	No. 17	No. 17 Front Wall	W4	0.00000	11.24200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
5	No. 17	No. 17 Side Wall	W5	0.00000	14.93800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
6	No. 17	No. 17 Minor Rear Wall	W6	0.00000	2.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
7	No. 17	No. 17 Minor Side Wall	W7	0.00000	5.53900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
8	No. 17	No. 17 Minor Front Wall	W8	0.00000	2.54800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
9	No. 17-19 Garage Side	No. 17-19 Garage Side 1	W9	0.00000	5.61500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
10	No. 17-19 Garage Front	No. 17-19 Garage Front	W10	0.00000	4.21800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
11	No. 17-19 Garage Rear	No. 17-19 Garage Side 2	W11	0.00000	5.67800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
12	No. 17-19 Garage Rear	No. 17-19 Garage Rear	W12	0.00000	4.39700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Buildings - Bending Parameters

Ref.	Building Name	Sub-Building Name	Height [m]	Default	Hogging: 2nd Mom. of Area (per unit width) [m ³]	Hogging: Dist. of Bending Strain from N.A. [m]	Hogging: Dist. of N.A. from Edge of Beam in Tension [m]	Sagging: 2nd Mom. of Area (per unit width) [m ³]	Sagging: Dist. of Bending Strain from N.A. [m]	Sagging: Dist. of N.A. from Edge of Beam in Tension [m]
1	No. 13	No. 13 Front Wall	12.500	Yes	651.04	12.500	12.500	162.76	6.2500	6.2500
2	No. 13	No. 13 Side Wall	12.500	Yes	651.04	12.500	12.500	162.76	6.2500	6.2500
3	No. 13	No. 13 Rear Wall	12.500	Yes	651.04	12.500	12.500	162.76	6.2500	6.2500
4	No. 17	No. 17 Front Wall	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
5	No. 17	No. 17 Side Wall	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
6	No. 17	No. 17 Minor Rear Wall	5.0000	Yes	41.667	5.0000	5.0000	10.417	2.5000	2.5000
7	No. 17	No. 17 Minor Side Wall	5.0000	Yes	41.667	5.0000	5.0000	10.417	2.5000	2.5000
8	No. 17	No. 17 Minor Front Wall	5.0000	Yes	41.667	5.0000	5.0000	10.417	2.5000	2.5000
9	No. 17-19 Garage Side	No. 17-19 Garage Side 1	4.0000	Yes	21.333	4.0000	4.0000	5.3333	2.0000	2.0000
10	No. 17-19 Garage Front	No. 17-19 Garage Front	4.0000	Yes	21.333	4.0000	4.0000	5.3333	2.0000	2.0000
11	No. 17-19 Garage Rear	No. 17-19 Garage Side 2	4.0000	Yes	21.333	4.0000	4.0000	5.3333	2.0000	2.0000
12	No. 17-19 Garage Rear	No. 17-19 Garage Rear	4.0000	Yes	21.333	4.0000	4.0000	5.3333	2.0000	2.0000



Displacement Results - Displacement Lines

Stage Ref.	Stage Name	Disp. Line Ref.	Disp. Line Name	Chainage	x [m]	y [m]	z [m]	Δx [mm]	Δy [mm]	Δz [mm]	θH/°	θPerp. [°]	Angle [°]
0	Base Model 1	W1		0.0	526630.05000	185344.40000	50.00000	0.0	0.0	0.0	0.0	0.0	116.46
				1.5289	526629.36875	185345.76875	50.00000	0.0	0.0	0.0	0.0	0.0	116.46
				3.0578	526628.68750	185347.13750	50.00000	-0.094152	0.17441	0.030960	0.19809	0.0065753	116.46
				4.5867	526628.00625	185348.50625	50.00000	-0.25999	0.47240	0.084638	0.53876	0.022265	116.46
				6.1157	526627.32500	185349.87500	50.00000	-0.42699	0.75485	0.24027	0.86603	0.045917	116.46
				7.6446	526626.64375	185351.24375	50.00000	-0.78847	1.3963	0.58878	1.6014	0.083702	116.46
				9.1735	526625.96250	185352.61250	50.00000	-1.2173	2.1120	1.2306	2.4331	0.14867	116.46
				10.702	526625.28125	185353.98125	50.00000	-1.7808	2.8713	2.0192	3.3640	0.31490	116.46
				12.231	526624.60000	185355.35000	50.00000	-2.4551	3.1267	2.6483	3.8931	0.80473	116.46
	2	W2		0.0	526624.60000	185355.35000	50.00000	-2.4551	3.1267	2.6483	0.82140	-3.8896	206.21
				1.6164	526623.14987	185334.63598	50.00000	-2.1084	4.4519	3.1195	-0.092670	-4.9613	206.21
				3.2328	526621.9974	185353.92196	50.00000	-2.0961	4.4657	3.1184	-0.092129	-4.9323	206.21
				4.8492	526620.24961	185353.20794	50.00000	-2.0839	4.4397	3.1169	-0.091592	-4.9036	206.21
				6.4655	526618.79948	185352.49392	50.00000	-2.0718	4.4138	3.1151	-0.091058	-4.8750	206.21
				8.0819	526617.34935	185351.77990	50.00000	-2.0597	4.3881	3.1129	-0.090527	-4.8466	206.21
				9.6983	526615.89922	185351.06588	50.00000	-2.0477	4.3625	3.1103	-0.090000	-4.8183	206.21
				11.315	526614.44909	185350.35186	50.00000	-1.9106	4.3985	3.1680	-0.22894	-4.7901	206.21
				12.931	526612.99896	185349.63784	50.00000	0.31819	1.9134	1.7573	-1.1307	-1.5760	206.21
				14.547	526611.54883	185348.92382	50.00000	1.1818	1.2594	1.4974	-1.6166	-0.60784	206.21
				16.164	526610.09870	185348.20980	50.00000	1.2141	0.92707	1.0433	-1.4988	-0.29539	206.21
	3	W3		0.0	526610.09870	185348.20980	50.00000	1.2141	0.92707	1.0433	-0.29629	-1.4986	296.18
				1.4285	526610.72896	185346.92784	50.00000	0.64604	0.82509	0.67810	-0.45541	-0.94379	296.18
				2.8570	526611.35922	185345.64588	50.00000	0.26230	0.70900	0.40422	-0.52054	0.54820	296.18
				4.2855	526611.98948	185344.36392	50.00000	0.050304	0.60853	0.23441	-0.52391	0.31363	296.18
				5.7141	526612.61974	185343.08196	50.00000	-0.020031	0.47141	0.11078	-0.43189	0.19001	296.18
				7.1426	526613.25000	185341.80000	50.00000	-0.035697	0.28755	0.047445	-0.27380	0.094831	296.18
	4	W4		0.0	526608.45000	185375.80000	50.00000	0.0	0.0	0.0	0.0	0.0	283.11
				1.1243	526608.70500	185374.70500	50.00000	0.0	0.0	0.0	0.0	0.0	283.11
				2.2486	526608.96000	185373.61000	50.00000	0.0	0.0	0.0	0.0	0.0	283.11
				3.3729	526609.21500	185372.51500	50.00000	0.0	0.0	0.0	0.0	0.0	283.11
				4.4972	526609.47000	185371.42000	50.00000	0.071468	-0.14002	0.028974	0.15258	0.037848	283.11
				5.6215	526609.72500	185370.32500	50.00000	0.28750	-0.28750	0.073465	0.13657	0.28511	283.11
				6.7458	526609.98000	185369.23000	50.00000	0.44354	-0.86887	0.15408	0.94693	0.23489	283.11
				7.8701	526610.23500	185368.13500	50.00000	0.62957	-1.2335	0.32951	1.3441	0.33341	283.11
				8.9944	526610.49000	185367.04000	50.00000	0.81561	-1.5979	0.62154	1.7413	0.43193	283.11
				10.119	526610.74500	185365.94500	50.00000	1.0016	-1.9624	1.0338	2.1384	0.53045	283.11
				11.243	526611.00000	185364.85000	50.00000	1.1877	-2.3269	1.7495	2.5366	0.62897	283.11
	5	W5		0.0	526611.00000	185364.85000	50.00000	1.1877	-2.3269	1.7495	-0.50026	2.5641	196.00
				1.4939	526609.56400	185364.43820	50.00000	1.1389	-2.2313	1.5615	-0.47970	2.4588	196.00
				2.9878	526608.12800	185364.02640	50.00000	0.74334	-1.2002	0.84749	-0.38368	1.3587	196.00
				4.4816	526606.69200	185363.61460	50.00000	0.70557	-0.74702	0.55156	-0.47231	0.91257	196.00
				5.9755	526605.25600	185363.20280	50.00000	0.62835	-0.48981	0.33698	-0.49104	0.56715	196.00
				7.4694	526603.82000	185362.79100	50.00000	0.49849	-0.19608	0.16902	-0.42224	0.32507	196.00
				8.9633	526602.38400	185362.37920	50.00000	0.32228	-0.084787	0.069789	-0.28642	0.17034	196.00
				10.457	526600.94800	185361.96740	50.00000	0.15745	-0.023538	0.030240	-0.14486	0.066028	196.00
				11.951	526599.51200	185361.55560	50.00000	0.0	0.0	0.0	0.0	0.0	196.00
				13.445	526598.07600	185361.14380	50.00000	0.0	0.0	0.0	0.0	0.0	196.00
				14.939	526596.64000	185360.73200	50.00000	0.0	0.0	0.0	0.0	0.0	196.00
	6	W8		0.0	526611.00000	185364.85000	50.00000	1.1877	-2.3269	1.7495	2.5366	0.50274	285.95
				1.2740	526611.35000	185363.62500	50.00000	1.5564	-3.0493	2.5137	3.3596	0.65883	285.95
				2.5480	526611.70000	185362.40000	50.00000	2.0058	-3.9297	3.0314	4.3295	0.84904	285.95
				3.8220	526611.05000	185361.17500	50.00000	2.4552	-4.8101	3.5031	5.2094	1.04025	285.95
				5.0960	526609.40000	185360.95000	50.00000	2.9046	-5.6905	4.0768	6.0803	1.23146	285.95
				6.3700	526607.75000	185360.72500	50.00000	3.3540	-6.5709	4.9505	7.0612	1.42247	285.95
	7	W7		0.0	526611.00000	185364.85000	50.00000	1.1877	-2.3269	1.7495	2.5366	0.50274	285.95
				1.2740	526611.35000	185363.62500	50.00000	1.5564	-3.0493	2.5137	3.3596	0.65883	285.95
				2.5480	526611.70000	185362.40000	50.00000	2.0058	-3.9297	3.0314	4.3295	0.84904	285.95
				3.8220	526611.05000	185361.17500	50.00000	2.4552	-4.8101	3.5031	5.2094	1.04025	285.95
				5.0960	526609.40000	185360.95000	50.00000	2.9046	-5.6905	4.0768	6.0803	1.23146	285.95
				6.3700	526607.75000	185360.72500	50.00000	3.3540	-6.5709	4.9505	7.0612	1.42247	285.95
	8	W6		0.0	526606.05000	185362.10000	50.00000	0.82593	-0.36607	0.57529	-0.58269	-0.69040	106.26
				1.2500	526606.05000	185362.10000	50.00000	0.82593	-0.36607	0.57529	-0.58269	-0.69040	106.26
				2.5000	526605.70000	185363.30000	50.00000	0.66167	-0.49675	0.40288	-0.66215	-0.49612	106.26
				3.7500	526605.35000	185364.50000	50.00000	0.50722	-0.60282	0.28978	-0.81305	-0.34805	106.26
				5.0000	526605.00000	185365.70000	50.00000	0.35277	-0.70887	0.17472	-1.02416	-0.19318	106.26
	9	W10		0.0	526620.71885	185367.99480	50.00000	0.12760	-1.5518	1.3765	1.4483	-0.57163	296.24
				4.2163	526621.65090	185366.10390	50.00000	-1.0665	-1.4660	1.4385	0.84335	-1.6048	296.24
				8.4326	526623.30180	185364.20780	50.00000	-2.1330	-2.9320	2.8770	1.6917	-3.2096	296.24
	10	W9		0.0	526621.65090	185366.10390	50.00000	-1.0665	-1.4660	1.4385	1.6186	0.81646	207.20
				2.8080	526619.15335	185364.82060	50.00000	2.5214	-5.0053	3.0683	0.044881	5.6043	207.20
				5.6160	526616.65390	185363.53730	50.00000	2.5520	-4.9998	3.0484	0.015151	5.6134	207.20
				8.4240	526614.15450	185362.25400	50.00000	2.5826	-4.9898	3.0285	-0.015151	5.6034	207.20
				11.2320	526611.65510	185360.97070	50.00000	2.6132	-4.9798	3.0086	-0.030303	5.5934	207.20
	11	W12		0.0	526616.65580	185363.53730	50.00000	2.5520	-4.9998	3.0484	-5.6134	0.0010836	117.05
				1.1988	526615.65580	185363.49555	50.00000	1.6556	-3.2436	2.6649			

Stage Ref.	Stage Name	Disp. Line Ref.	Disp. Line Name	Chainage	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]	δH// [mm]	δPerp. [mm]	Angle [°]
					5.9959	526649.30200	185364.35364	50.00000	0.0	0.0	0.0	0.0	18.168
					6.9952	526649.85150	185364.66523	50.00000	0.0	0.0	0.0	0.0	18.168
					7.9946	526650.80100	185364.97682	50.00000	0.0	0.0	0.0	0.0	18.168
					8.9939	526651.75050	185365.28841	50.00000	0.0	0.0	0.0	0.0	18.168
					9.9932	526652.70000	185365.60000	50.00000	0.0	0.0	0.0	0.0	18.168
		16	Lyndhurst Terrace 4		0.0	526656.55000	185337.85000	50.00000	0.0	0.0	0.0	0.0	208.63
					0.99122	526655.68000	185337.37500	50.00000	0.0	0.0	0.0	0.0	208.63
					1.9824	526654.81000	185356.90000	50.00000	0.0	0.0	0.0	0.0	208.63
					2.9737	526653.94000	185356.42500	50.00000	0.0	0.0	0.0	0.0	208.63
					3.9649	526653.07000	185355.95000	50.00000	0.0	0.0	0.0	0.0	208.63
					4.9561	526652.20000	185355.47500	50.00000	0.0	0.0	0.0	0.0	208.63
					5.9473	526651.33000	185355.00000	50.00000	0.0	0.0	0.0	0.0	208.63
					6.9386	526650.46000	185354.52500	50.00000	0.0	0.0	0.0	0.0	208.63
					7.9298	526649.59000	185354.05000	50.00000	0.0	0.0	0.0	0.0	208.63
					8.9210	526648.72000	185353.57500	50.00000	0.0	0.0	0.0	0.0	208.63
					9.9122	526647.85000	185353.10000	50.00000	0.0	0.0	0.0	0.0	208.63

Displacement Results - Displacement Grids

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
0	Base Model 1	Grid 1		526550.00000	185300.00000	50.00000	0.0	0.0	0.0
				526551.00000	185300.00000	50.00000	0.0	0.0	0.0
				526552.00000	185300.00000	50.00000	0.0	0.0	0.0
				526553.00000	185300.00000	50.00000	0.0	0.0	0.0
				526554.00000	185300.00000	50.00000	0.0	0.0	0.0
				526555.00000	185300.00000	50.00000	0.0	0.0	0.0
				526556.00000	185300.00000	50.00000	0.0	0.0	0.0
				526557.00000	185300.00000	50.00000	0.0	0.0	0.0
				526558.00000	185300.00000	50.00000	0.0	0.0	0.0
				526559.00000	185300.00000	50.00000	0.0	0.0	0.0
				526560.00000	185300.00000	50.00000	0.0	0.0	0.0
				526561.00000	185300.00000	50.00000	0.0	0.0	0.0
				526562.00000	185300.00000	50.00000	0.0	0.0	0.0
				526563.00000	185300.00000	50.00000	0.0	0.0	0.0
				526564.00000	185300.00000	50.00000	0.0	0.0	0.0
				526565.00000	185300.00000	50.00000	0.0	0.0	0.0
				526566.00000	185300.00000	50.00000	0.0	0.0	0.0
				526567.00000	185300.00000	50.00000	0.0	0.0	0.0
				526568.00000	185300.00000	50.00000	0.0	0.0	0.0
				526569.00000	185300.00000	50.00000	0.0	0.0	0.0
				526570.00000	185300.00000	50.00000	0.0	0.0	0.0
				526571.00000	185300.00000	50.00000	0.0	0.0	0.0
				526572.00000	185300.00000	50.00000	0.0	0.0	0.0
				526573.00000	185300.00000	50.00000	0.0	0.0	0.0
				526574.00000	185300.00000	50.00000	0.0	0.0	0.0
				526575.00000	185300.00000	50.00000	0.0	0.0	0.0
				526576.00000	185300.00000	50.00000	0.0	0.0	0.0
				526577.00000	185300.00000	50.00000	0.0	0.0	0.0
				526578.00000	185300.00000	50.00000	0.0	0.0	0.0
				526579.00000	185300.00000	50.00000	0.0	0.0	0.0
				526580.00000	185300.00000	50.00000	0.0	0.0	0.0
				526581.00000	185300.00000	50.00000	0.0	0.0	0.0
				526582.00000	185300.00000	50.00000	0.0	0.0	0.0
				526583.00000	185300.00000	50.00000	0.0	0.0	0.0
				526584.00000	185300.00000	50.00000	0.0	0.0	0.0
				526585.00000	185300.00000	50.00000	0.0	0.0	0.0
				526586.00000	185300.00000	50.00000	0.0	0.0	0.0
				526587.00000	185300.00000	50.00000	0.0	0.0	0.0
				526588.00000	185300.00000	50.00000	0.0	0.0	0.0
				526589.00000	185300.00000	50.00000	0.0	0.0	0.0
				526590.00000	185300.00000	50.00000	0.0	0.0	0.0
				526591.00000	185300.00000	50.00000	0.0	0.0	0.0
				526592.00000	185300.00000	50.00000	0.0	0.0	0.0
				526593.00000	185300.00000	50.00000	0.0	0.0	0.0
				526594.00000	185300.00000	50.00000	0.0	0.0	0.0
				526595.00000	185300.00000	50.00000	0.0	0.0	0.0
				526596.00000	185300.00000	50.00000	0.0	0.0	0.0
				526597.00000	185300.00000	50.00000	0.0	0.0	0.0
				526598.00000	185300.00000	50.00000	0.0	0.0	0.0
				526599.00000	185300.00000	50.00000	0.0	0.0	0.0
				526600.00000	185300.00000	50.00000	0.0	0.0	0.0
				526601.00000	185300.00000	50.00000	0.0	0.0	0.0
				526602.00000	185300.00000	50.00000	0.0	0.0	0.0
				526603.00000	185300.00000	50.00000	0.0	0.0	0.0
				526604.00000	185300.00000	50.00000	0.0	0.0	0.0
				526605.00000	185300.00000	50.00000	0.0	0.0	0.0
				526606.00000	185300.00000	50.00000	0.0	0.0	0.0
				526607.00000	185300.00000	50.00000	0.0	0.0	0.0
				526608.00000	185300.00000	50.00000	0.0	0.0	0.0
				526609.00000	185300.00000	50.00000	0.0	0.0	0.0
				526610.00000	185300.00000	50.00000	0.0	0.0	0.0
				526611.00000	185300.00000	50.00000	0.0	0.0	0.0
				526612.00000	185300.00000	50.00000	0.0	0.0	0.0
				526613.00000	185300.00000	50.00000	0.0	0.0	0.0
				526614.00000	185300.00000	50.00000	0.0	0.0	0.0
				526615.00000	185300.00000	50.00000	0.0	0.0	0.0
				526616.00000	185300.00000	50.00000	0.0	0.0	0.0
				526617.00000	185300.00000	50.00000	0.0	0.0	0.0
				526618.00000	185300.00000	50.00000	0.0	0.0	0.0
				526619.00000	185300.00000	50.00000	0.0	0.0	0.0
				526620.00000	185300.00000	50.00000	0.0	0.0	0.0
				526621.00000	185300.00000	50.00000	0.0	0.0	0.0
				526622.00000	185300.00000	50.00000	0.0	0.0	0.0
				526623.00000	185300.00000	50.00000	0.0	0.0	0.0
				526624.00000	185300.00000	50.00000	0.0	0.0	0.0
				526625.00000	185300.00000	50.00000	0.0	0.0	0.0
				526626.00000	185300.00000	50.00000	0.0	0.0	0.0
				526627.00000	185300.00000	50.00000	0.0	0.0	0.0
				526628.00000	185300.00000	50.00000	0.0	0.0	0.0
				526629.00000	185300.00000	50.00000	0.0	0.0	0.0

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526618.00000	185340.00000	50.00000					0.0	0.0	0.0
526619.00000	185340.00000	50.00000					0.0	0.0	0.0
526620.00000	185340.00000	50.00000					0.0	0.0	0.0
526621.00000	185340.00000	50.00000					0.0	0.0	0.0
526622.00000	185340.00000	50.00000					0.0	0.0	0.0
526623.00000	185340.00000	50.00000					0.0	0.0	0.0
526624.00000	185340.00000	50.00000					0.0	0.0	0.0
526625.00000	185340.00000	50.00000					0.0	0.0	0.0
526626.00000	185340.00000	50.00000					0.0	0.0	0.0
526627.00000	185340.00000	50.00000					0.0	0.0	0.0
526628.00000	185340.00000	50.00000					0.0	0.0	0.0
526629.00000	185340.00000	50.00000					0.0	0.0	0.0
526630.00000	185340.00000	50.00000					0.0	0.0	0.0
526631.00000	185340.00000	50.00000					0.0	0.0	0.0
526632.00000	185340.00000	50.00000					0.0	0.0	0.0
526633.00000	185340.00000	50.00000					0.0	0.0	0.0
526634.00000	185340.00000	50.00000					0.0	0.0	0.0
526635.00000	185340.00000	50.00000					0.0	0.0	0.0
526636.00000	185340.00000	50.00000					0.0	0.0	0.0
526637.00000	185340.00000	50.00000					0.0	0.0	0.0
526638.00000	185340.00000	50.00000					0.0	0.0	0.0
526639.00000	185340.00000	50.00000					0.0	0.0	0.0
526640.00000	185340.00000	50.00000					0.0	0.0	0.0
526641.00000	185340.00000	50.00000					0.0	0.0	0.0
526642.00000	185340.00000	50.00000					0.0	0.0	0.0
526643.00000	185340.00000	50.00000					0.0	0.0	0.0
526644.00000	185340.00000	50.00000					0.0	0.0	0.0
526645.00000	185340.00000	50.00000					0.0	0.0	0.0
526646.00000	185340.00000	50.00000					0.0	0.0	0.0
526647.00000	185340.00000	50.00000					0.0	0.0	0.0
526648.00000	185340.00000	50.00000					0.0	0.0	0.0
526649.00000	185340.00000	50.00000					0.0	0.0	0.0
526650.00000	185340.00000	50.00000					0.0	0.0	0.0
526550.00000	185341.00000	50.00000					0.0	0.0	0.0
526551.00000	185341.00000	50.00000					0.0	0.0	0.0
526552.00000	185341.00000	50.00000					0.0	0.0	0.0
526553.00000	185341.00000	50.00000					0.0	0.0	0.0
526554.00000	185341.00000	50.00000					0.0	0.0	0.0
526555.00000	185341.00000	50.00000					0.0	0.0	0.0
526556.00000	185341.00000	50.00000					0.0	0.0	0.0
526557.00000	185341.00000	50.00000					0.0	0.0	0.0
526558.00000	185341.00000	50.00000					0.0	0.0	0.0
526559.00000	185341.00000	50.00000					0.0	0.0	0.0
526560.00000	185341.00000	50.00000					0.0	0.0	0.0
526561.00000	185341.00000	50.00000					0.0	0.0	0.0
526562.00000	185341.00000	50.00000					0.0	0.0	0.0
526563.00000	185341.00000	50.00000					0.0	0.0	0.0
526564.00000	185341.00000	50.00000					0.0	0.0	0.0
526565.00000	185341.00000	50.00000					0.0	0.0	0.0
526566.00000	185341.00000	50.00000					0.0	0.0	0.0
526567.00000	185341.00000	50.00000					0.0	0.0	0.0
526568.00000	185341.00000	50.00000					0.0	0.0	0.0
526569.00000	185341.00000	50.00000					0.0	0.0	0.0
526570.00000	185341.00000	50.00000					0.0	0.0	0.0
526571.00000	185341.00000	50.00000					0.0	0.0	0.0
526572.00000	185341.00000	50.00000					0.0	0.0	0.0
526573.00000	185341.00000	50.00000					0.0	0.0	0.0
526574.00000	185341.00000	50.00000					0.0	0.0	0.0
526575.00000	185341.00000	50.00000					0.0	0.0	0.0
526576.00000	185341.00000	50.00000					0.0	0.0	0.0
526577.00000	185341.00000	50.00000					0.0	0.0	0.0
526578.00000	185341.00000	50.00000					0.0	0.0	0.0
526579.00000	185341.00000	50.00000					0.0	0.0	0.0
526580.00000	185341.00000	50.00000					0.0	0.0	0.0
526581.00000	185341.00000	50.00000					0.0	0.0	0.0
526582.00000	185341.00000	50.00000					0.0	0.0	0.0
526583.00000	185341.00000	50.00000					0.0	0.0	0.0
526584.00000	185341.00000	50.00000					0.0	0.0	0.0
526585.00000	185341.00000	50.00000					0.0	0.0	0.0
526586.00000	185341.00000	50.00000					0.0	0.0	0.0
526587.00000	185341.00000	50.00000					0.0	0.0	0.0
526588.00000	185341.00000	50.00000					0.0	0.0	0.0
526589.00000	185341.00000	50.00000					0.0	0.0	0.0
526590.00000	185341.00000	50.00000					0.0	0.0	0.0
526591.00000	185341.00000	50.00000					0.0	0.0	0.0
526592.00000	185341.00000	50.00000					0.0	0.0	0.0
526593.00000	185341.00000	50.00000					0.0	0.0	0.0
526594.00000	185341.00000	50.00000					0.0	0.0	0.0
526595.00000	185341.00000	50.00000					0.0	0.0	0.0
526596.00000	185341.00000	50.00000					0.0	0.0	0.0
526597.00000	185341.00000	50.00000					0.0	0.0	0.0
526598.00000	185341.00000	50.00000					0.0	0.0	0.0
526599.00000	185341.00000	50.00000					0.0	0.0	0.0
526600.00000	185341.00000	50.00000					0.0	0.0	0.0
526601.00000	185341.00000	50.00000					0.0	0.0	0.0
526602.00000	185341.00000	50.00000					0.0	0.0	0.0
526603.00000	185341.00000	50.00000					0.0	0.0	0.0
526604.00000	185341.00000	50.00000					0.0	0.0	0.0
526605.00000	185341.00000	50.00000					0.0	0.0	0.0
526606.00000	185341.00000	50.00000					0.0	0.0	0.0
526607.00000	185341.00000	50.00000					0.0	0.0	0.0
526608.00000	185341.00000	50.00000					0.0	0.0	0.0
526609.00000	185341.00000	50.00000				0.0036264	0.0084427	0.0038803	
526610.00000	185341.00000	50.00000				0.014390	0.0526377	0.014343	
526611.00000	185341.00000	50.00000				0.012372	0.093189	0.021044	
526612.00000	185341.00000	50.00000				0.0011082	0.12650	0.025451	
526613.00000	185341.00000	50.00000				-0.014841	0.14884	0.027987	
526614.00000	185341.00000	50.00000				-0.030328	0.15644	0.028567	
526615.00000	185341.00000	50.00000				-0.040105	0.14582	0.026932	
526616.00000	185341.00000	50.00000				-0.038329	0.11412	0.02252	
526617.00000	185341.00000	50.00000				-0.023993	0.059379	0.013790	
526618.00000	185341.00000	50.00000				0.0	0.0	0.0	
526619.00000	185341.00000	50.00000				0.0	0.0	0.0	
526620.00000	185341.00000	50.00000				0.0	0.0	0.0	
526621.00000	185341.00000	50.00000				0.0	0.0	0.0	
526622.00000	185341.00000	50.00000				0.0	0.0	0.0	

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526623.00000	185341.00000	50.00000					0.0	0.0	0.0
526624.00000	185341.00000	50.00000					0.0	0.0	0.0
526625.00000	185341.00000	50.00000					0.0	0.0	0.0
526626.00000	185341.00000	50.00000					0.0	0.0	0.0
526627.00000	185341.00000	50.00000					0.0	0.0	0.0
526628.00000	185341.00000	50.00000					0.0	0.0	0.0
526629.00000	185341.00000	50.00000					0.0	0.0	0.0
526630.00000	185341.00000	50.00000					0.0	0.0	0.0
526631.00000	185341.00000	50.00000					0.0	0.0	0.0
526632.00000	185341.00000	50.00000					0.0	0.0	0.0
526633.00000	185341.00000	50.00000					0.0	0.0	0.0
526634.00000	185341.00000	50.00000					0.0	0.0	0.0
526635.00000	185341.00000	50.00000					0.0	0.0	0.0
526636.00000	185341.00000	50.00000					0.0	0.0	0.0
526637.00000	185341.00000	50.00000					0.0	0.0	0.0
526638.00000	185341.00000	50.00000					0.0	0.0	0.0
526639.00000	185341.00000	50.00000					0.0	0.0	0.0
526640.00000	185341.00000	50.00000					0.0	0.0	0.0
526641.00000	185341.00000	50.00000					0.0	0.0	0.0
526642.00000	185341.00000	50.00000					0.0	0.0	0.0
526643.00000	185341.00000	50.00000					0.0	0.0	0.0
526644.00000	185341.00000	50.00000					0.0	0.0	0.0
526645.00000	185341.00000	50.00000					0.0	0.0	0.0
526646.00000	185341.00000	50.00000					0.0	0.0	0.0
526647.00000	185341.00000	50.00000					0.0	0.0	0.0
526648.00000	185341.00000	50.00000					0.0	0.0	0.0
526649.00000	185341.00000	50.00000					0.0	0.0	0.0
526650.00000	185341.00000	50.00000					0.0	0.0	0.0
526550.00000	185342.00000	50.00000					0.0	0.0	0.0
526551.00000	185342.00000	50.00000					0.0	0.0	0.0
526552.00000	185342.00000	50.00000					0.0	0.0	0.0
526553.00000	185342.00000	50.00000					0.0	0.0	0.0
526554.00000	185342.00000	50.00000					0.0	0.0	0.0
526555.00000	185342.00000	50.00000					0.0	0.0	0.0
526556.00000	185342.00000	50.00000					0.0	0.0	0.0
526557.00000	185342.00000	50.00000					0.0	0.0	0.0
526558.00000	185342.00000	50.00000					0.0	0.0	0.0
526559.00000	185342.00000	50.00000					0.0	0.0	0.0
526560.00000	185342.00000	50.00000					0.0	0.0	0.0
526561.00000	185342.00000	50.00000					0.0	0.0	0.0
526562.00000	185342.00000	50.00000					0.0	0.0	0.0
526563.00000	185342.00000	50.00000					0.0	0.0	0.0
526564.00000	185342.00000	50.00000					0.0	0.0	0.0
526565.00000	185342.00000	50.00000					0.0	0.0	0.0
526566.00000	185342.00000	50.00000					0.0	0.0	0.0
526567.00000	185342.00000	50.00000					0.0	0.0	0.0
526568.00000	185342.00000	50.00000					0.0	0.0	0.0
526569.00000	185342.00000	50.00000					0.0	0.0	0.0
526570.00000	185342.00000	50.00000					0.0	0.0	0.0
526571.00000	185342.00000	50.00000					0.0	0.0	0.0
526572.00000	185342.00000	50.00000					0.0	0.0	0.0
526573.00000	185342.00000	50.00000					0.0	0.0	0.0
526574.00000	185342.00000	50.00000					0.0	0.0	0.0
526575.00000	185342.00000	50.00000					0.0	0.0	0.0
526576.00000	185342.00000	50.00000					0.0	0.0	0.0
526577.00000	185342.00000	50.00000					0.0	0.0	0.0
526578.00000	185342.00000	50.00000					0.0	0.0	0.0
526579.00000	185342.00000	50.00000					0.0	0.0	0.0
526580.00000	185342.00000	50.00000					0.0	0.0	0.0
526581.00000	185342.00000	50.00000					0.0	0.0	0.0
526582.00000	185342.00000	50.00000					0.0	0.0	0.0
526583.00000	185342.00000	50.00000					0.0	0.0	0.0
526584.00000	185342.00000	50.00000					0.0	0.0	0.0
526585.00000	185342.00000	50.00000					0.0	0.0	0.0
526586.00000	185342.00000	50.00000					0.0	0.0	0.0
526587.00000	185342.00000	50.00000					0.0	0.0	0.0
526588.00000	185342.00000	50.00000					0.0	0.0	0.0
526589.00000	185342.00000	50.00000					0.0	0.0	0.0
526590.00000	185342.00000	50.00000					0.0	0.0	0.0
526591.00000	185342.00000	50.00000					0.0	0.0	0.0
526592.00000	185342.00000	50.00000					0.0	0.0	0.0
526593.00000	185342.00000	50.00000					0.0	0.0	0.0
526594.00000	185342.00000	50.00000					0.0	0.0	0.0
526595.00000	185342.00000	50.00000					0.0	0.0	0.0
526596.00000	185342.00000	50.00000					0.0	0.0	0.0
526597.00000	185342.00000	50.00000					0.0	0.0	0.0
526598.00000	185342.00000	50.00000					0.0	0.0	0.0
526599.00000	185342.00000	50.00000					0.0	0.0	0.0
526600.00000	185342.00000	50.00000					0.0	0.0	0.0
526601.00000	185342.00000	50.00000					0.0	0.0	0.0
526602.00000	185342.00000	50.00000					0.0	0.0	0.0
526603.00000	185342.00000	50.00000					0.0	0.0	0.0
526604.00000	185342.00000	50.00000					0.0	0.0	0.0
526605.00000	185342.00000	50.00000					0.0	0.0	0.0
526606.00000	185342.00000	50.00000					0.0	0.0	0.0
526607.00000	185342.00000	50.00000				0.0033013	0.0040108	0.0027903	
526608.00000	185342.00000	50.00000				0.043961	0.066058	0.018666	
526609.00000	185342.00000	50.00000				0.060607	0.12152	0.027131	
526610.00000	185342.00000	50.00000				0.055902	0.17190	0.033595	
526611.00000	185342.00000	50.00000				0.037413	0.22735	0.041522	
526612.00000	185342.00000	50.00000				0.0067576	0.27635	0.048583	
526613.00000	185342.00000	50.00000				-0.030345	0.31421	0.053356	
526614.00000	185342.00000	50.00000				-0.067251	0.33602	0.054695	
526615.00000	185342.00000	50.00000				-0.097146	0.33728	0.052362	
526616.00000	185342.00000	50.00000				-0.11384	0.31437	0.047113	
526617.00000	185342.00000	50.00000				-0.11241	0.26491	0.040044	
526618.00000	185342.00000	50.00000				-0.13100	0.27909	0.046446	
526619.00000	185342.00000	50.00000				-0.063295	0.13485	0.027851	
526620.00000	185342.00000	50.00000				0.0	0.0	0.0	
526621.00000	185342.00000	50.00000				0.0	0.0	0.0	
526622.00000	185342.00000	50.00000				0.0	0.0	0.0	
526623.00000	185342.00000	50.00000				0.0	0.0	0.0	
526624.00000	185342.00000	50.00000				0.0	0.0	0.0	
526625.00000	185342.00000	50.00000				0.0	0.0	0.0	
526626.00000	185342.00000	50.00000				0.0	0.0	0.0	
526627.00000	185342.00000	50.00000				0.0	0.0	0.0	

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526628	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526629	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526630	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526631	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526632	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526633	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526634	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526635	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526636	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526637	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526638	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526639	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526640	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526641	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526642	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526643	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526644	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526645	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526646	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526647	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526648	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526649	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526650	0.0000	185342	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526550	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526551	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526552	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526553	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526554	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526555	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526556	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526557	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526558	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526559	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526560	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526561	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526562	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526563	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526564	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526565	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526566	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526567	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526568	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526569	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526570	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526571	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526572	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526604	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526605	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526606	0.0000	185343	0.0000	50.00000	0.030715	0.028268	0.011069		
526607	0.0000	185343	0.0000	50.00000	0.094274	0.10126	0.026773		
526608	0.0000	185343	0.0000	50.00000	0.12907	0.16923	0.037524		
526609	0.0000	185343	0.0000	50.00000	0.13443	0.23090	0.049198		
526610	0.0000	185343	0.0000	50.00000	0.11144	0.28473	0.062187		
526611	0.0000	185343	0.0000	50.00000	0.072531	0.35385	0.079881		
526612	0.0000	185343	0.0000	50.00000	0.018614	0.42172	0.096674		
526613	0.0000	185343	0.0000	50.00000	-0.044363	0.47855	0.10792		
526614	0.0000	185343	0.0000	50.00000	-0.10759	0.51784	0.11080		
526615	0.0000	185343	0.0000	50.00000	-0.16194	0.53353	0.10456		
526616	0.0000	185343	0.0000	50.00000	-0.19932	0.52092	0.090954		
526617	0.0000	185343	0.0000	50.00000	-0.21362	0.47720	0.073677		
526618	0.0000	185343	0.0000	50.00000	-0.27524	0.58638	0.084216		
526619	0.0000	185343	0.0000	50.00000	-0.20754	0.44214	0.064613		
526620	0.0000	185343	0.0000	50.00000	-0.13983	0.29790	0.048552		
526621	0.0000	185343	0.0000	50.00000	-0.072126	0.15366	0.030644		
526622	0.0000	185343	0.0000	50.00000	-0.0044211	0.0094189	0.0046350		
526623	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526624	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526625	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526626	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526627	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526628	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526629	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526630	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526631	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		
526632	0.0000	185343	0.0000	50.00000	0.0	0.0	0.0		

Stage: Ref.	Stage: Name	Disp: Grid: Ref.	Disp: Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526633.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526634.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526635.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526636.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526637.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526638.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526639.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526640.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526641.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526642.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526643.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526644.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526645.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526646.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526647.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526648.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526649.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526650.00000	185343.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526550.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526551.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526552.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526553.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526554.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526555.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526556.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526557.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526558.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526559.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526560.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526561.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526562.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526563.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526564.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526565.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526566.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526567.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526568.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526569.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526570.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526571.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526572.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526573.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526574.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526575.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526576.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526577.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526578.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526579.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526580.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526581.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526582.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526583.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526584.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526585.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526586.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526587.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526588.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526589.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526590.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526591.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526592.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526593.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526594.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526595.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526596.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526597.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526598.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526599.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526600.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526601.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526602.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526603.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526604.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526605.00000	185344.00000	50.00000		0.043224	0.031567	0.012846			
526606.00000	185344.00000	50.00000		0.13896	0.11370	0.031020			
526607.00000	185344.00000	50.00000		0.20390	0.19250	0.045927			
526608.00000	185344.00000	50.00000		0.23485	0.26690	0.066560			
526609.00000	185344.00000	50.00000		0.22964	0.33553	0.093695			
526610.00000	185344.00000	50.00000		0.18611	0.39663	0.12282			
526611.00000	185344.00000	50.00000		0.12125	0.46999	0.15495			
526612.00000	185344.00000	50.00000		0.039013	0.56091	0.18894			
526613.00000	185344.00000	50.00000		-0.056318	0.64148	0.21202			
526614.00000	185344.00000	50.00000		-0.15266	0.70274	0.21892			
526615.00000	185344.00000	50.00000		-0.23733	0.73630	0.20765			
526616.00000	185344.00000	50.00000		-0.29943	0.73589	0.18043			
526617.00000	185344.00000	50.00000		-0.48719	1.0379	0.21375			
526618.00000	185344.00000	50.00000		-0.41948	0.89368	0.15756			
526619.00000	185344.00000	50.00000		-0.35178	0.74944	0.11632			
526620.00000	185344.00000	50.00000		-0.28407	0.60520	0.087282			
526621.00000	185344.00000	50.00000		-0.21637	0.46095	0.066863			
526622.00000	185344.00000	50.00000		-0.14866	0.31671	0.050628			
526623.00000	185344.00000	50.00000		-0.080957	0.17247	0.033294			
526624.00000	185344.00000	50.00000		-0.013252	0.028233	0.0087281			
526625.00000	185344.00000	50.00000		0.0	0.0	0.0			
526626.00000	185344.00000	50.00000		0.0	0.0	0.0			
526627.00000	185344.00000	50.00000		0.0	0.0	0.0			
526628.00000	185344.00000	50.00000		0.0	0.0	0.0			
526629.00000	185344.00000	50.00000		0.0	0.0	0.0			
526630.00000	185344.00000	50.00000		0.0	0.0	0.0			
526631.00000	185344.00000	50.00000		0.0	0.0	0.0			
526632.00000	185344.00000	50.00000		0.0	0.0	0.0			
526633.00000	185344.00000	50.00000		0.0	0.0	0.0			
526634.00000	185344.00000	50.00000		0.0	0.0	0.0			
526635.00000	185344.00000	50.00000		0.0	0.0	0.0			
526636.00000	185344.00000	50.00000		0.0	0.0	0.0			
526637.00000	185344.00000	50.00000		0.0	0.0	0.0			

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526638.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526639.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526640.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526641.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526642.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526643.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526644.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526645.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526646.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526647.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526648.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526649.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526650.00000	185344.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526550.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526551.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526552.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526553.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526554.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526555.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526556.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526557.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526558.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526559.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526560.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526561.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526562.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526563.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526564.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526565.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526566.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526567.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526568.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526569.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526570.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526571.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526572.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526573.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526574.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526575.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526576.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526577.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526578.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526579.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526580.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526581.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526582.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526583.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526584.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526585.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526586.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526587.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526588.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526589.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526590.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526591.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526592.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526593.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526594.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526595.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526596.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526597.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526598.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526599.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526600.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526601.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526602.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526603.00000	185345.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526604.00000	185345.00000	50.00000		0.025365	0.015244	0.0078808			
526605.00000	185345.00000	50.00000		0.15981	0.10436	0.031241			
526606.00000	185345.00000	50.00000		0.26476	0.19162	0.049649			
526607.00000	185345.00000	50.00000		0.33518	0.27635	0.078472			
526608.00000	185345.00000	50.00000		0.36586	0.35758	0.12158			
526609.00000	185345.00000	50.00000		0.35221	0.43392	0.17420			
526610.00000	185345.00000	50.00000		0.29671	0.50590	0.22819			
526611.00000	185345.00000	50.00000		0.20790	0.58109	0.27559			
526612.00000	185345.00000	50.00000		0.095612	0.70306	0.33473			
526613.00000	185345.00000	50.00000		-0.043177	0.81321	0.37546			
526614.00000	185345.00000	50.00000		-0.18863	0.89991	0.38961			
526615.00000	185345.00000	50.00000		-0.31967	0.95226	0.37317			
526616.00000	185345.00000	50.00000		-0.41857	0.96283	0.32828			
526617.00000	185345.00000	50.00000		-0.63143	1.3452	0.39084			
526618.00000	185345.00000	50.00000		-0.56372	1.2010	0.29759			
526619.00000	185345.00000	50.00000		-0.49602	1.0567	0.22228			
526620.00000	185345.00000	50.00000		-0.42831	0.91249	0.16399			
526621.00000	185345.00000	50.00000		-0.36061	0.76825	0.12094			
526622.00000	185345.00000	50.00000		-0.29290	0.62401	0.090496			
526623.00000	185345.00000	50.00000		-0.22520	0.47977	0.069186			
526624.00000	185345.00000	50.00000		-0.15749	0.33553	0.052687			
526625.00000	185345.00000	50.00000		-0.089788	0.19129	0.035826			
526626.00000	185345.00000	50.00000		-0.022083	0.047047	0.012581			
526627.00000	185345.00000	50.00000		0.0	0.0	0.0			
526628.00000	185345.00000	50.00000		0.0	0.0	0.0			
526629.00000	185345.00000	50.00000		0.0	0.0	0.0			
526630.00000	185345.00000	50.00000		0.0	0.0	0.0			
526631.00000	185345.00000	50.00000		0.0	0.0	0.0			
526632.00000	185345.00000	50.00000		0.0	0.0	0.0			
526633.00000	185345.00000	50.00000		0.0	0.0	0.0			
526634.00000	185345.00000	50.00000		0.0	0.0	0.0			
526635.00000	185345.00000	50.00000		0.0	0.0	0.0			
526636.00000	185345.00000	50.00000		0.0	0.0	0.0			
526637.00000	185345.00000	50.00000		0.0	0.0	0.0			
526638.00000	185345.00000	50.00000		0.0	0.0	0.0			
526639.00000	185345.00000	50.00000		0.0	0.0	0.0			
526640.00000	185345.00000	50.00000		0.0	0.0	0.0			
526641.00000	185345.00000	50.00000		0.0	0.0	0.0			
526642.00000	185345.00000	50.00000		0.0	0.0	0.0			

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526648	0.0000	185346	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526649	0.0000	185346	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526650	0.0000	185346	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526550	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526551	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526552	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526553	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526554	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526555	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526556	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526557	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526558	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526559	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526560	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526561	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526562	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526563	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526564	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526565	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526566	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526567	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526568	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526569	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526570	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526571	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526572	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.0000	185347	0.0000	50.00000	0.094721	0.044253	0.021362		
526604	0.0000	185347	0.0000	50.00000	0.25981	0.12617	0.039645		
526605	0.0000	185347	0.0000	50.00000	0.43139	0.22273	0.068579		
526606	0.0000	185347	0.0000	50.00000	0.58645	0.32610	0.12807		
526607	0.0000	185347	0.0000	50.00000	0.76101	0.45787	0.22798		
526608	0.0000	185347	0.0000	50.00000	0.86125	0.57685	0.34780		
526609	0.0000	185347	0.0000	50.00000	0.87366	0.68201	0.47442		
526610	0.0000	185347	0.0000	50.00000	0.78717	0.77326	0.59337		
526611	0.0000	185347	0.0000	50.00000	0.60666	0.85529	0.73359		
526612	0.0000	185347	0.0000	50.00000	0.34712	0.97577	0.84455		
526613	0.0000	185347	0.0000	50.00000	0.052693	1.1713	0.97298		
526614	0.0000	185347	0.0000	50.00000	-0.25714	1.3388	1.0284		
526615	0.0000	185347	0.0000	50.00000	-0.52987	1.4487	0.9838		
526616	0.0000	185347	0.0000	50.00000	-0.95854	2.1183	1.2480		
526617	0.0000	185347	0.0000	50.00000	-0.91248	1.9635	0.97608		
526618	0.0000	185347	0.0000	50.00000	-0.85220	1.8156	0.81473		
526619	0.0000	185347	0.0000	50.00000	-0.78450	1.6713	0.66684		
526620	0.0000	185347	0.0000	50.00000	-0.71679	1.5271	0.53403		
526621	0.0000	185347	0.0000	50.00000	-0.64909	1.3828	0.41815		
526622	0.0000	185347	0.0000	50.00000	-0.58138	1.2386	0.32017		
526623	0.0000	185347	0.0000	50.00000	-0.51368	1.0944	0.24024		
526624	0.0000	185347	0.0000	50.00000	-0.44597	0.95012	0.17764		
526625	0.0000	185347	0.0000	50.00000	-0.37827	0.80588	0.1308		
526626	0.0000	185347	0.0000	50.00000	-0.31056	0.66164	0.097401		
526627	0.0000	185347	0.0000	50.00000	-0.24286	0.51740	0.074091		
526628	0.0000	185347	0.0000	50.00000	-0.11650	0.23430	0.036973		
526629	0.0000	185347	0.0000	50.00000	-0.063818	0.11540	0.023523		
526630	0.0000	185347	0.0000	50.00000	-0.0021917	0.0035720	0.0025110		
526631	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526632	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526633	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526634	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526635	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185347	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526552	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526553	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526554	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526555	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526556	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526557	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526558	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526559	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526560	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526561	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526562	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526563	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526564	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526565	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526566	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526567	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526568	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526569	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526570	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526571	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526572	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.0000	185348	0.0000	50.00000	0.23853	0.11144	0.041716		
526604	0.0000	185348	0.0000	50.00000	0.54634	0.25255	0.07807		
526605	0.0000	185348	0.0000	50.00000	0.88759	0.41548	0.15286		
526606	0.0000	185348	0.0000	50.00000	0.88513	0.43112	0.20357		
526607	0.0000	185348	0.0000	50.00000	1.0909	0.56769	0.33900		
526608	0.0000	185348	0.0000	50.00000	1.2167	0.69091	0.50564		
526609	0.0000	185348	0.0000	50.00000	1.2424	0.79998	0.69786		
526610	0.0000	185348	0.0000	50.00000	1.1435	0.89435	0.94453		
526611	0.0000	185348	0.0000	50.00000	0.91626	0.98372	1.1033		
526612	0.0000	185348	0.0000	50.00000	0.55853	1.1181	1.1539		
526613	0.0000	185348	0.0000	50.00000	0.11383	1.4338	1.3370		
526614	0.0000	185348	0.0000	50.00000	-0.36606	1.6874	1.4401		
526615	0.0000	185348	0.0000	50.00000	-0.74504	1.7974	1.4241		
526616	0.0000	185348	0.0000	50.00000	-1.1001	2.4269	1.8449		
526617	0.0000	185348	0.0000	50.00000	-1.0641	2.2671	1.5601		
526618	0.0000	185348	0.0000	50.00000	-0.99644	2.1229	1.2800		
526619	0.0000	185348	0.0000	50.00000	-0.92874	1.9786	1.0098		
526620	0.0000	185348	0.0000	50.00000	-0.86103	1.8344	0.8350		
526621	0.0000	185348	0.0000	50.00000	-0.79333	1.6901	0.68532		
526622	0.0000	185348	0.0000	50.00000	-0.72562	1.5459	0.55043		
526623	0.0000	185348	0.0000	50.00000	-0.65792	1.4017	0.43226		
526624	0.0000	185348	0.0000	50.00000	-0.59021	1.2574	0.33192		
526625	0.0000	185348	0.0000	50.00000	-0.52251	1.1132	0.24966		
526626	0.0000	185348	0.0000	50.00000	-0.45481	0.96893	0.18487		
526627	0.0000	185348	0.0000	50.00000	-0.25766	0.54866	0.090586		
526628	0.0000	185348	0.0000	50.00000	-0.21210	0.40051	0.063390		
526629	0.0000	185348	0.0000	50.00000	-0.15583	0.26164	0.043491		
526630	0.0000	185348	0.0000	50.00000	-0.090051	0.13491	0.028018		
526631	0.0000	185348	0.0000	50.00000	-0.015995	0.021463	0.0076203		
526632	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526633	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526634	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526635	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185348	0.0000	50.00000	0.0	0.0	0.0		
526651	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526652	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526653	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526654	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526655	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526656	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526557	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526558	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526559	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526560	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526561	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526562	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526563	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526564	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526565	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526566	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526567	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526568	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526569	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526570	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526571	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526572	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185349	0.0000	50.00000	0.074524	0.034817	0.017797		
526603	0.0000	185349	0.0000	50.00000	0.38234	0.17863	0.057778		
526604	0.0000	185349	0.0000	50.00000	0.71467	0.32448	0.10968		
526605	0.0000	185349	0.0000	50.00000	1.1556	0.54364	0.22195		
526606	0.0000	185349	0.0000	50.00000	1.5710	0.74032	0.40107		
526607	0.0000	185349	0.0000	50.00000	1.9572	0.92260	0.66540		
526608	0.0000	185349	0.0000	50.00000	1.6292	0.79581	0.69030		
526609	0.0000	185349	0.0000	50.00000	1.6942	0.90703	1.0316		
526610	0.0000	185349	0.0000	50.00000	1.6292	1.0125	1.3285		
526611	0.0000	185349	0.0000	50.00000	1.4538	1.1827	1.5008		
526612	0.0000	185349	0.0000	50.00000	0.95710	1.3456	1.5078		
526613	0.0000	185349	0.0000	50.00000	0.20963	1.7350	1.6362		
526614	0.0000	185349	0.0000	50.00000	-0.58510	2.11697	1.8149		
526615	0.0000	185349	0.0000	50.00000	-1.4425	3.2853	2.6531		
526616	0.0000	185349	0.0000	50.00000	-1.3661	2.9720	2.4042		
526617	0.0000	185349	0.0000	50.00000	-1.2583	2.6808	2.1439		
526618	0.0000	185349	0.0000	50.00000	-1.1407	2.4302	1.8746		
526619	0.0000	185349	0.0000	50.00000	-1.0730	2.2959	1.5966		
526620	0.0000	185349	0.0000	50.00000	-1.0053	2.1417	1.3165		
526621	0.0000	185349	0.0000	50.00000	-0.93757	1.9974	1.0395		
526622	0.0000	185349	0.0000	50.00000	-0.86986	1.8532	0.85547		
526623	0.0000	185349	0.0000	50.00000	-0.80216	1.7089	0.70406		
526624	0.0000	185349	0.0000	50.00000	-0.73446	1.5647	0.56711		
526625	0.0000	185349	0.0000	50.00000	-0.66675	1.4205	0.44668		
526626	0.0000	185349	0.0000	50.00000	-0.59905	1.2762	0.34398		
526627	0.0000	185349	0.0000	50.00000	-0.53625	0.71124	0.16847		
526628	0.0000	185349	0.0000	50.00000	-0.30720	0.53593	0.11319		
526629	0.0000	185349	0.0000	50.00000	-0.24652	0.37737	0.071741		
526630	0.0000	185349	0.0000	50.00000	-0.17582	0.23733	0.045134		
526631	0.0000	185349	0.0000	50.00000	-0.096635	0.11561	0.027562		
526632	0.0000	185349	0.0000	50.00000	-0.010326	0.011004	0.0052226		
526633	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526634	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526635	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185349	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526552	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526553	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526554	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526555	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526556	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526557	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526558	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526559	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526560	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		
526561	0.0000	185350	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526562	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526563	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526564	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526565	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526566	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526567	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526568	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526569	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526570	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526571	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526572	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185350.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185350.00000	50.00000	0.21833	0.10200	0.039257			
526603	0.0000	185350.00000	50.00000	0.52615	0.24581	0.075227			
526604	0.0000	185350.00000	50.00000	0.97879	0.46075	0.16380			
526605	0.0000	185350.00000	50.00000	1.4324	0.67617	0.30599			
526606	0.0000	185350.00000	50.00000	1.8591	0.87834	0.53440			
526607	0.0000	185350.00000	50.00000	2.2534	1.0646	0.85391			
526608	0.0000	185350.00000	50.00000	2.6095	1.2322	1.3100			
526609	0.0000	185350.00000	50.00000	2.9219	1.3782	1.9414			
526610	0.0000	185350.00000	50.00000	2.3594	1.1575	1.7330			
526611	0.0000	185350.00000	50.00000	2.2675	1.3365	1.9180			
526612	0.0000	185350.00000	50.00000	1.7148	1.5523	1.8741			
526613	0.0000	185350.00000	50.00000	0.41361	2.0014	1.7898			
526614	0.0000	185350.00000	50.00000	-1.0448	2.8341	2.1127			
526615	0.0000	185350.00000	50.00000	-1.7519	3.9325	3.0292			
526616	0.0000	185350.00000	50.00000	-1.6807	3.5810	2.8478			
526617	0.0000	185350.00000	50.00000	-1.5412	3.2834	2.6553			
526618	0.0000	185350.00000	50.00000	-1.4069	2.9972	2.4291			
526619	0.0000	185350.00000	50.00000	-1.2754	2.7171	2.1781			
526620	0.0000	185350.00000	50.00000	-1.1495	2.4490	1.9103			
526621	0.0000	185350.00000	50.00000	-1.0818	2.3047	1.6331			
526622	0.0000	185350.00000	50.00000	-1.0141	2.1605	1.3529			
526623	0.0000	185350.00000	50.00000	-0.94640	2.0162	1.0752			
526624	0.0000	185350.00000	50.00000	-0.87870	1.8720	0.87614			
526625	0.0000	185350.00000	50.00000	-0.81099	1.7278	0.72304			
526626	0.0000	185350.00000	50.00000	-0.74329	1.5835	0.58407			
526627	0.0000	185350.00000	50.00000	-0.45506	0.83537	0.28731			
526628	0.0000	185350.00000	50.00000	-0.40148	0.63244	0.19405			
526629	0.0000	185350.00000	50.00000	-0.33534	0.45621	0.12010			
526630	0.0000	185350.00000	50.00000	-0.25878	0.30613	0.07042			
526631	0.0000	185350.00000	50.00000	-0.17371	0.17989	0.041313			
526632	0.0000	185350.00000	50.00000	-0.081703	0.074535	0.023027			
526633	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526634	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526635	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526636	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526637	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526638	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526639	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526640	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526641	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526642	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526643	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526644	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526645	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526646	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526647	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526648	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526649	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526650	0.0000	185350.00000	50.00000	0.0	0.0	0.0			
526550	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526551	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526552	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526553	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526554	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526555	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526556	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526557	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526558	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526559	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526560	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526561	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526562	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526563	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526564	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526565	0.0000	185351.00000	50.00000	0.0	0.0	0.0			
526566	0.0000	185351.00000	50.00000	0.0	0.0	0.0			

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
				526567.00000	185351.00000	50.00000	0.0	0.0	0.0
				526568.00000	185351.00000	50.00000	0.0	0.0	0.0
				526569.00000	185351.00000	50.00000	0.0	0.0	0.0
				526570.00000	185351.00000	50.00000	0.0	0.0	0.0
				526571.00000	185351.00000	50.00000	0.0	0.0	0.0
				526572.00000	185351.00000	50.00000	0.0	0.0	0.0
				526573.00000	185351.00000	50.00000	0.0	0.0	0.0
				526574.00000	185351.00000	50.00000	0.0	0.0	0.0
				526575.00000	185351.00000	50.00000	0.0	0.0	0.0
				526576.00000	185351.00000	50.00000	0.0	0.0	0.0
				526577.00000	185351.00000	50.00000	0.0	0.0	0.0
				526578.00000	185351.00000	50.00000	0.0	0.0	0.0
				526579.00000	185351.00000	50.00000	0.0	0.0	0.0
				526580.00000	185351.00000	50.00000	0.0	0.0	0.0
				526581.00000	185351.00000	50.00000	0.0	0.0	0.0
				526582.00000	185351.00000	50.00000	0.0	0.0	0.0
				526583.00000	185351.00000	50.00000	0.0	0.0	0.0
				526584.00000	185351.00000	50.00000	0.0	0.0	0.0
				526585.00000	185351.00000	50.00000	0.0	0.0	0.0
				526586.00000	185351.00000	50.00000	0.0	0.0	0.0
				526587.00000	185351.00000	50.00000	0.0	0.0	0.0
				526588.00000	185351.00000	50.00000	0.0	0.0	0.0
				526589.00000	185351.00000	50.00000	0.0	0.0	0.0
				526590.00000	185351.00000	50.00000	0.0	0.0	0.0
				526591.00000	185351.00000	50.00000	0.0	0.0	0.0
				526592.00000	185351.00000	50.00000	0.0	0.0	0.0
				526593.00000	185351.00000	50.00000	0.0	0.0	0.0
				526594.00000	185351.00000	50.00000	0.0	0.0	0.0
				526595.00000	185351.00000	50.00000	0.0	0.0	0.0
				526596.00000	185351.00000	50.00000	0.0	0.0	0.0
				526597.00000	185351.00000	50.00000	0.0	0.0	0.0
				526598.00000	185351.00000	50.00000	0.0	0.0	0.0
				526599.00000	185351.00000	50.00000	0.0	0.0	0.0
				526600.00000	185351.00000	50.00000	0.0	0.0	0.0
				526601.00000	185351.00000	50.00000	0.033647	0.015720	0.0087891
				526602.00000	185351.00000	50.00000	0.24400	0.11400	0.037435
				526603.00000	185351.00000	50.00000	0.75425	0.35440	0.11667
				526604.00000	185351.00000	50.00000	-1.2468	0.58892	0.22796
				526605.00000	185351.00000	50.00000	1.7172	0.81262	0.41548
				526606.00000	185351.00000	50.00000	2.1602	1.0228	0.70428
				526607.00000	185351.00000	50.00000	2.5686	1.2160	1.0854
				526608.00000	185351.00000	50.00000	2.9340	1.3881	1.6949
				526609.00000	185351.00000	50.00000	3.2977	1.5582	2.343
				526610.00000	185351.00000	50.00000	3.8414	1.8108	2.8952
				526611.00000	185351.00000	50.00000	4.3614	2.0509	3.2569
				526612.00000	185351.00000	50.00000	3.3008	1.6525	2.2980
				526613.00000	185351.00000	50.00000	1.2087	2.0436	1.7194
				526614.00000	185351.00000	50.00000	-2.1904	5.1307	3.1580
				526615.00000	185351.00000	50.00000	-2.1261	4.6700	3.1471
				526616.00000	185351.00000	50.00000	-2.0074	4.2767	3.0990
				526617.00000	185351.00000	50.00000	-1.8482	3.9375	3.0123
				526618.00000	185351.00000	50.00000	-1.6996	3.6209	2.8699
				526619.00000	185351.00000	50.00000	-1.5591	3.3215	2.682
				526620.00000	185351.00000	50.00000	-1.4242	3.0341	2.4602
				526621.00000	185351.00000	50.00000	-1.2925	2.7535	2.2119
				526622.00000	185351.00000	50.00000	-1.1615	2.4744	1.9459
				526623.00000	185351.00000	50.00000	-1.0906	2.3235	1.6696
				526624.00000	185351.00000	50.00000	-1.0229	2.1793	1.3994
				526625.00000	185351.00000	50.00000	-0.9523	2.0351	1.1111
				526626.00000	185351.00000	50.00000	-0.80110	1.5859	0.64368
				526627.00000	185351.00000	50.00000	-0.68333	1.1675	0.48065
				526628.00000	185351.00000	50.00000	-0.53044	0.74819	0.31592
				526629.00000	185351.00000	50.00000	-0.42143	0.49092	0.18822
				526630.00000	185351.00000	50.00000	-0.33794	0.33661	0.10764
				526631.00000	185351.00000	50.00000	-0.24617	0.21147	0.05827
				526632.00000	185351.00000	50.00000	-0.14791	0.11042	0.033498
				526633.00000	185351.00000	50.00000	-0.044525	0.029071	0.013989
				526634.00000	185351.00000	50.00000	0.0	0.0	0.0
				526635.00000	185351.00000	50.00000	0.0	0.0	0.0
				526636.00000	185351.00000	50.00000	0.0	0.0	0.0
				526637.00000	185351.00000	50.00000	0.0	0.0	0.0
				526638.00000	185351.00000	50.00000	0.0	0.0	0.0
				526639.00000	185351.00000	50.00000	0.0	0.0	0.0
				526640.00000	185351.00000	50.00000	0.0	0.0	0.0
				526641.00000	185351.00000	50.00000	0.0	0.0	0.0
				526642.00000	185351.00000	50.00000	0.0	0.0	0.0
				526643.00000	185351.00000	50.00000	0.0	0.0	0.0
				526644.00000	185351.00000	50.00000	0.0	0.0	0.0
				526645.00000	185351.00000	50.00000	0.0	0.0	0.0
				526646.00000	185351.00000	50.00000	0.0	0.0	0.0
				526647.00000	185351.00000	50.00000	0.0	0.0	0.0
				526648.00000	185351.00000	50.00000	0.0	0.0	0.0
				526649.00000	185351.00000	50.00000	0.0	0.0	0.0
				526650.00000	185351.00000	50.00000	0.0	0.0	0.0
				526550.00000	185352.00000	50.00000	0.0	0.0	0.0
				526551.00000	185352.00000	50.00000	0.0	0.0	0.0
				526552.00000	185352.00000	50.00000	0.0	0.0	0.0
				526553.00000	185352.00000	50.00000	0.0	0.0	0.0
				526554.00000	185352.00000	50.00000	0.0	0.0	0.0
				526555.00000	185352.00000	50.00000	0.0	0.0	0.0
				526556.00000	185352.00000	50.00000	0.0	0.0	0.0
				526557.00000	185352.00000	50.00000	0.0	0.0	0.0
				526558.00000	185352.00000	50.00000	0.0	0.0	0.0
				526559.00000	185352.00000	50.00000	0.0	0.0	0.0
				526560.00000	185352.00000	50.00000	0.0	0.0	0.0
				526561.00000	185352.00000	50.00000	0.0	0.0	0.0
				526562.00000	185352.00000	50.00000	0.0	0.0	0.0
				526563.00000	185352.00000	50.00000	0.0	0.0	0.0
				526564.00000	185352.00000	50.00000	0.0	0.0	0.0
				526565.00000	185352.00000	50.00000	0.0	0.0	0.0
				526566.00000	185352.00000	50.00000	0.0	0.0	0.0
				526567.00000	185352.00000	50.00000	0.0	0.0	0.0
				526568.00000	185352.00000	50.00000	0.0	0.0	0.0
				526569.00000	185352.00000	50.00000	0.0	0.0	0.0
				526570.00000	185352.00000	50.00000	0.0	0.0	0.0
				526571.00000	185352.00000	50.00000	0.0	0.0	0.0

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526572	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185352	0.0000	50.00000	0.10366	0.048431	0.020070		
526602	0.0000	185352	0.0000	50.00000	0.30740	0.14361	0.044167		
526603	0.0000	185352	0.0000	50.00000	0.79920	0.38001	0.13137		
526604	0.0000	185352	0.0000	50.00000	1.3303	0.63535	0.25357		
526605	0.0000	185352	0.0000	50.00000	2.0078	0.95188	0.55495		
526606	0.0000	185352	0.0000	50.00000	2.4732	1.1731	0.91175		
526607	0.0000	185352	0.0000	50.00000	2.9037	1.3771	1.4134		
526608	0.0000	185352	0.0000	50.00000	3.2881	1.5585	2.1213		
526609	0.0000	185352	0.0000	50.00000	3.7968	1.7966	2.7806		
526610	0.0000	185352	0.0000	50.00000	4.3475	2.0524	3.2875		
526611	0.0000	185352	0.0000	50.00000	4.8714	2.2935	3.5300		
526612	0.0000	185352	0.0000	50.00000	5.4716	2.5692	3.4351		
526613	0.0000	185352	0.0000	50.00000	6.2533	2.9301	2.9267		
526614	0.0000	185352	0.0000	50.00000	-2.6623	6.1133	2.7110		
526615	0.0000	185352	0.0000	50.00000	-2.5993	5.5435	2.8785		
526616	0.0000	185352	0.0000	50.00000	-2.3932	5.0986	3.0437		
526617	0.0000	185352	0.0000	50.00000	-2.2033	4.6939	3.1154		
526618	0.0000	185352	0.0000	50.00000	-2.0291	4.3229	3.1056		
526619	0.0000	185352	0.0000	50.00000	-1.8683	3.9804	3.0270		
526620	0.0000	185352	0.0000	50.00000	-1.7185	3.6611	2.8912		
526621	0.0000	185352	0.0000	50.00000	-1.5770	3.3597	2.7092		
526622	0.0000	185352	0.0000	50.00000	-1.4415	3.0711	2.4909		
526623	0.0000	185352	0.0000	50.00000	-1.3095	2.7899	2.2455		
526624	0.0000	185352	0.0000	50.00000	-1.1786	2.5109	1.9814		
526625	0.0000	185352	0.0000	50.00000	-1.0995	2.3424	1.7060		
526626	0.0000	185352	0.0000	50.00000	-1.0558	1.9303	0.98526		
526627	0.0000	185352	0.0000	50.00000	-0.84207	1.2888	0.64684		
526628	0.0000	185352	0.0000	50.00000	-0.72091	0.90850	0.45521		
526629	0.0000	185352	0.0000	50.00000	-0.57590	0.58995	0.29110		
526630	0.0000	185352	0.0000	50.00000	-0.41188	0.32475	0.15434		
526631	0.0000	185352	0.0000	50.00000	-0.31267	0.20856	0.081932		
526632	0.0000	185352	0.0000	50.00000	-0.20771	0.11821	0.043458		
526633	0.0000	185352	0.0000	50.00000	-0.098353	0.048079	0.023440		
526634	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526635	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185352	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526651	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526652	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526653	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526654	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526655	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526656	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526657	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526658	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526659	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526660	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526661	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526662	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526663	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526664	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526665	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526666	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526667	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526668	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526669	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526670	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526671	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526672	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526673	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526674	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526675	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		
526676	0.0000	185353	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
				526577.00000	185353.00000	50.00000	0.0	0.0	0.0
				526578.00000	185353.00000	50.00000	0.0	0.0	0.0
				526579.00000	185353.00000	50.00000	0.0	0.0	0.0
				526580.00000	185353.00000	50.00000	0.0	0.0	0.0
				526581.00000	185353.00000	50.00000	0.0	0.0	0.0
				526582.00000	185353.00000	50.00000	0.0	0.0	0.0
				526583.00000	185353.00000	50.00000	0.0	0.0	0.0
				526584.00000	185353.00000	50.00000	0.0	0.0	0.0
				526585.00000	185353.00000	50.00000	0.0	0.0	0.0
				526586.00000	185353.00000	50.00000	0.0	0.0	0.0
				526587.00000	185353.00000	50.00000	0.0	0.0	0.0
				526588.00000	185353.00000	50.00000	0.0	0.0	0.0
				526589.00000	185353.00000	50.00000	0.0	0.0	0.0
				526590.00000	185353.00000	50.00000	0.0	0.0	0.0
				526591.00000	185353.00000	50.00000	0.0	0.0	0.0
				526592.00000	185353.00000	50.00000	0.0	0.0	0.0
				526593.00000	185353.00000	50.00000	0.0	0.0	0.0
				526594.00000	185353.00000	50.00000	0.0	0.0	0.0
				526595.00000	185353.00000	50.00000	0.0	0.0	0.0
				526596.00000	185353.00000	50.00000	0.0	0.0	0.0
				526597.00000	185353.00000	50.00000	0.0	0.0	0.0
				526598.00000	185353.00000	50.00000	0.0	0.0	0.0
				526599.00000	185353.00000	50.00000	0.0	0.0	0.0
				526600.00000	185353.00000	50.00000	0.0	0.0	0.0
				526601.00000	185353.00000	50.00000	0.14669	0.068533	0.024910
				526602.00000	185353.00000	50.00000	0.46255	0.21905	0.074958
				526603.00000	185353.00000	50.00000	0.96661	0.46178	0.1609
				526604.00000	185353.00000	50.00000	1.4834	0.71046	0.30895
				526605.00000	185353.00000	50.00000	2.0179	0.96741	0.57173
				526606.00000	185353.00000	50.00000	2.5778	1.2362	0.97498
				526607.00000	185353.00000	50.00000	3.2570	1.5472	1.8251
				526608.00000	185353.00000	50.00000	3.7058	1.7595	2.5796
				526609.00000	185353.00000	50.00000	4.3484	2.0608	3.2457
				526610.00000	185353.00000	50.00000	4.9353	2.3338	3.6961
				526611.00000	185353.00000	50.00000	5.4814	2.5846	3.7932
				526612.00000	185353.00000	50.00000	6.0298	2.8332	3.4244
				526613.00000	185353.00000	50.00000	Point lies within an excavation.		
				526614.00000	185353.00000	50.00000	Point lies within an excavation.		
				526615.00000	185353.00000	50.00000	Point lies within an excavation.		
				526616.00000	185353.00000	50.00000	Point lies within an excavation.		
				526617.00000	185353.00000	50.00000	-2.6302	5.6034	2.8476
				526618.00000	185353.00000	50.00000	-2.4193	5.1542	3.0276
				526619.00000	185353.00000	50.00000	-2.2271	4.7447	3.1110
				526620.00000	185353.00000	50.00000	-2.0510	4.3696	3.1111
				526621.00000	185353.00000	50.00000	-1.8886	4.0236	3.0408
				526622.00000	185353.00000	50.00000	-1.7375	3.7016	2.9118
				526623.00000	185353.00000	50.00000	-1.5951	3.3982	2.7352
				526624.00000	185353.00000	50.00000	-1.4590	3.1082	2.5211
				526625.00000	185353.00000	50.00000	-1.4738	2.8752	1.7524
				526626.00000	185353.00000	50.00000	-1.3126	2.1699	1.3600
				526627.00000	185353.00000	50.00000	-1.0422	1.3702	0.92298
				526628.00000	185353.00000	50.00000	-0.90629	0.96721	0.58512
				526629.00000	185353.00000	50.00000	-0.74635	0.64470	0.3839
				526630.00000	185353.00000	50.00000	-0.56796	0.38523	0.22806
				526631.00000	185353.00000	50.00000	-0.37516	0.17559	0.11008
				526632.00000	185353.00000	50.00000	-0.25960	0.099115	0.054220
				526633.00000	185353.00000	50.00000	-0.14669	0.046679	0.029678
				526634.00000	185353.00000	50.00000	-0.027384	0.0073439	0.0087697
				526635.00000	185353.00000	50.00000	0.0	0.0	0.0
				526636.00000	185353.00000	50.00000	0.0	0.0	0.0
				526637.00000	185353.00000	50.00000	0.0	0.0	0.0
				526638.00000	185353.00000	50.00000	0.0	0.0	0.0
				526639.00000	185353.00000	50.00000	0.0	0.0	0.0
				526640.00000	185353.00000	50.00000	0.0	0.0	0.0
				526641.00000	185353.00000	50.00000	0.0	0.0	0.0
				526642.00000	185353.00000	50.00000	0.0	0.0	0.0
				526643.00000	185353.00000	50.00000	0.0	0.0	0.0
				526644.00000	185353.00000	50.00000	0.0	0.0	0.0
				526645.00000	185353.00000	50.00000	0.0	0.0	0.0
				526646.00000	185353.00000	50.00000	0.0	0.0	0.0
				526647.00000	185353.00000	50.00000	0.0	0.0	0.0
				526648.00000	185353.00000	50.00000	0.0	0.0	0.0
				526649.00000	185353.00000	50.00000	0.0	0.0	0.0
				526650.00000	185353.00000	50.00000	0.0	0.0	0.0
				526550.00000	185354.00000	50.00000	0.0	0.0	0.0
				526551.00000	185354.00000	50.00000	0.0	0.0	0.0
				526552.00000	185354.00000	50.00000	0.0	0.0	0.0
				526553.00000	185354.00000	50.00000	0.0	0.0	0.0
				526554.00000	185354.00000	50.00000	0.0	0.0	0.0
				526555.00000	185354.00000	50.00000	0.0	0.0	0.0
				526556.00000	185354.00000	50.00000	0.0	0.0	0.0
				526557.00000	185354.00000	50.00000	0.0	0.0	0.0
				526558.00000	185354.00000	50.00000	0.0	0.0	0.0
				526559.00000	185354.00000	50.00000	0.0	0.0	0.0
				526560.00000	185354.00000	50.00000	0.0	0.0	0.0
				526561.00000	185354.00000	50.00000	0.0	0.0	0.0
				526562.00000	185354.00000	50.00000	0.0	0.0	0.0
				526563.00000	185354.00000	50.00000	0.0	0.0	0.0
				526564.00000	185354.00000	50.00000	0.0	0.0	0.0
				526565.00000	185354.00000	50.00000	0.0	0.0	0.0
				526566.00000	185354.00000	50.00000	0.0	0.0	0.0
				526567.00000	185354.00000	50.00000	0.0	0.0	0.0
				526568.00000	185354.00000	50.00000	0.0	0.0	0.0
				526569.00000	185354.00000	50.00000	0.0	0.0	0.0
				526570.00000	185354.00000	50.00000	0.0	0.0	0.0
				526571.00000	185354.00000	50.00000	0.0	0.0	0.0
				526572.00000	185354.00000	50.00000	0.0	0.0	0.0
				526573.00000	185354.00000	50.00000	0.0	0.0	0.0
				526574.00000	185354.00000	50.00000	0.0	0.0	0.0
				526575.00000	185354.00000	50.00000	0.0	0.0	0.0
				526576.00000	185354.00000	50.00000	0.0	0.0	0.0
				526577.00000	185354.00000	50.00000	0.0	0.0	0.0
				526578.00000	185354.00000	50.00000	0.0	0.0	0.0
				526579.00000	185354.00000	50.00000	0.0	0.0	0.0
				526580.00000	185354.00000	50.00000	0.0	0.0	0.0
				526581.00000	185354.00000	50.00000	0.0	0.0	0.0

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526582.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526583.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526584.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526585.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526586.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526587.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526588.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526589.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526590.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526591.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526592.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526593.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526594.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526595.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526596.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526597.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526598.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526599.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526600.00000	185354.00000	50.00000		0.0	0.0	0.0	0.0	0.0	0.0
526601.00000	185354.00000	50.00000		0.16509	0.077130	0.026211			
526602.00000	185354.00000	50.00000		0.61372	0.29323	0.096111			
526603.00000	185354.00000	50.00000		1.0992	0.52725	0.18594			
526604.00000	185354.00000	50.00000		1.5935	0.76543	0.35867			
526605.00000	185354.00000	50.00000		2.1006	1.0096	0.65454			
526606.00000	185354.00000	50.00000		2.6267	1.2626	1.0958			
526607.00000	185354.00000	50.00000		3.1833	1.5299	1.7966			
526608.00000	185354.00000	50.00000		3.8985	1.8712	2.6016			
526609.00000	185354.00000	50.00000		4.9635	2.3559	3.7223			
526610.00000	185354.00000	50.00000		5.6357	2.6700	4.1132			
526611.00000	185354.00000	50.00000		6.2519	2.9538	4.0493			
526612.00000	185354.00000	50.00000		6.7620	3.1816	3.3660			
526613.00000	185354.00000	50.00000							Point lies within an excavation.
526614.00000	185354.00000	50.00000							Point lies within an excavation.
526615.00000	185354.00000	50.00000							Point lies within an excavation.
526616.00000	185354.00000	50.00000							Point lies within an excavation.
526617.00000	185354.00000	50.00000							Point lies within an excavation.
526618.00000	185354.00000	50.00000							Point lies within an excavation.
526619.00000	185354.00000	50.00000		-2.6592	5.6652	2.8163			
526620.00000	185354.00000	50.00000		-2.4457	5.2104	3.0099			
526621.00000	185354.00000	50.00000		-2.2512	4.7960	3.1051			
526622.00000	185354.00000	50.00000		-2.0732	4.4167	3.1153			
526623.00000	185354.00000	50.00000		-1.9091	4.0673	3.0535			
526624.00000	185354.00000	50.00000		-1.7566	3.7424	2.9315			
526625.00000	185354.00000	50.00000		-1.8363	3.1284	2.1541			
526626.00000	185354.00000	50.00000		-1.4324	1.8989	1.5782			
526627.00000	185354.00000	50.00000		-1.2382	1.3021	1.1549			
526628.00000	185354.00000	50.00000		-1.0832	0.90936	0.75340			
526629.00000	185354.00000	50.00000		-0.90569	0.60814	0.46423			
526630.00000	185354.00000	50.00000		-0.72058	0.37674	0.28516			
526631.00000	185354.00000	50.00000		-0.52562	0.19664	0.15947			
526632.00000	185354.00000	50.00000		-0.32454	0.064585	0.069096			
526633.00000	185354.00000	50.00000		-0.19815	0.031720	0.036550			
526634.00000	185354.00000	50.00000		-0.064655	0.0083587	0.016280			
526635.00000	185354.00000	50.00000		0.0	0.0	0.0			
526636.00000	185354.00000	50.00000		0.0	0.0	0.0			
526637.00000	185354.00000	50.00000		0.0	0.0	0.0			
526638.00000	185354.00000	50.00000		0.0	0.0	0.0			
526639.00000	185354.00000	50.00000		0.0	0.0	0.0			
526640.00000	185354.00000	50.00000		0.0	0.0	0.0			
526641.00000	185354.00000	50.00000		0.0	0.0	0.0			
526642.00000	185354.00000	50.00000		0.0	0.0	0.0			
526643.00000	185354.00000	50.00000		0.0	0.0	0.0			
526644.00000	185354.00000	50.00000		0.0	0.0	0.0			
526645.00000	185354.00000	50.00000		0.0	0.0	0.0			
526646.00000	185354.00000	50.00000		0.0	0.0	0.0			
526647.00000	185354.00000	50.00000		0.0	0.0	0.0			
526648.00000	185354.00000	50.00000		0.0	0.0	0.0			
526649.00000	185354.00000	50.00000		0.0	0.0	0.0			
526650.00000	185355.00000	50.00000		0.0	0.0	0.0			
526550.00000	185355.00000	50.00000		0.0	0.0	0.0			
526551.00000	185355.00000	50.00000		0.0	0.0	0.0			
526552.00000	185355.00000	50.00000		0.0	0.0	0.0			
526553.00000	185355.00000	50.00000		0.0	0.0	0.0			
526554.00000	185355.00000	50.00000		0.0	0.0	0.0			
526555.00000	185355.00000	50.00000		0.0	0.0	0.0			
526556.00000	185355.00000	50.00000		0.0	0.0	0.0			
526557.00000	185355.00000	50.00000		0.0	0.0	0.0			
526558.00000	185355.00000	50.00000		0.0	0.0	0.0			
526559.00000	185355.00000	50.00000		0.0	0.0	0.0			
526560.00000	185355.00000	50.00000		0.0	0.0	0.0			
526561.00000	185355.00000	50.00000		0.0	0.0	0.0			
526562.00000	185355.00000	50.00000		0.0	0.0	0.0			
526563.00000	185355.00000	50.00000		0.0	0.0	0.0			
526564.00000	185355.00000	50.00000		0.0	0.0	0.0			
526565.00000	185355.00000	50.00000		0.0	0.0	0.0			
526566.00000	185355.00000	50.00000		0.0	0.0	0.0			
526567.00000	185355.00000	50.00000		0.0	0.0	0.0			
526568.00000	185355.00000	50.00000		0.0	0.0	0.0			
526569.00000	185355.00000	50.00000		0.0	0.0	0.0			
526570.00000	185355.00000	50.00000		0.0	0.0	0.0			
526571.00000	185355.00000	50.00000		0.0	0.0	0.0			
526572.00000	185355.00000	50.00000		0.0	0.0	0.0			
526573.00000	185355.00000	50.00000		0.0	0.0	0.0			
526574.00000	185355.00000	50.00000		0.0	0.0	0.0			
526575.00000	185355.00000	50.00000		0.0	0.0	0.0			
526576.00000	185355.00000	50.00000		0.0	0.0	0.0			
526577.00000	185355.00000	50.00000		0.0	0.0	0.0			
526578.00000	185355.00000	50.00000		0.0	0.0	0.0			
526579.00000	185355.00000	50.00000		0.0	0.0	0.0			
526580.00000	185355.00000	50.00000		0.0	0.0	0.0			
526581.00000	185355.00000	50.00000		0.0	0.0	0.0			
526582.00000	185355.00000	50.00000		0.0	0.0	0.0			
526583.00000	185355.00000	50.00000		0.0	0.0	0.0			
526584.00000	185355.00000	50.00000		0.0	0.0	0.0			
526585.00000	185355.00000	50.00000		0.0	0.0	0.0			
526586.00000	185355.00000	50.00000		0.0	0.0	0.0			

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526587	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185355	0.0000	50.00000	0.0063690	0.0029756	0.0025788		
526601	0.0000	185355	0.0000	50.00000	0.24050	0.11325	0.042001		
526602	0.0000	185355	0.0000	50.00000	0.74039	0.35596	0.11032		
526603	0.0000	185355	0.0000	50.00000	1.2024	0.57905	0.20947		
526604	0.0000	185355	0.0000	50.00000	1.6675	0.80355	0.40334		
526605	0.0000	185355	0.0000	50.00000	2.1369	1.0301	0.71923		
526606	0.0000	185355	0.0000	50.00000	2.6132	1.2598	1.1843		
526607	0.0000	185355	0.0000	50.00000	3.1005	1.4948	1.8373		
526608	0.0000	185355	0.0000	50.00000	3.7327	1.7973	2.5360		
526609	0.0000	185355	0.0000	50.00000	4.4747	2.1512	3.2105		
526610	0.0000	185355	0.0000	50.00000	5.4408	2.6098	3.8024		
526611	0.0000	185355	0.0000	50.00000	7.2769	3.4471	4.3159		
526612	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526613	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526614	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526615	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526616	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526617	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526618	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526619	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526620	0.0000	185355	0.0000	50.00000				Point lies within an excavation.	
526621	0.0000	185355	0.0000	50.00000	-2.6885	5.7278	2.7830		
526622	0.0000	185355	0.0000	50.00000	-2.4724	5.2673	2.9906		
526623	0.0000	185355	0.0000	50.00000	-2.2756	4.8480	3.0977		
526624	0.0000	185355	0.0000	50.00000	-2.3893	4.3660	2.9071		
526625	0.0000	185355	0.0000	50.00000	-2.2182	2.9376	2.4249		
526626	0.0000	185355	0.0000	50.00000	-1.7111	1.5976	1.7576		
526627	0.0000	185355	0.0000	50.00000	-1.4684	1.0783	1.3344		
526628	0.0000	185355	0.0000	50.00000	-1.3031	0.75069	0.93909		
526629	0.0000	185355	0.0000	50.00000	-1.1227	0.50802	0.5776		
526630	0.0000	185355	0.0000	50.00000	-0.91411	0.32006	0.35793		
526631	0.0000	185355	0.0000	50.00000	-0.68586	0.17339	0.20149		
526632	0.0000	185355	0.0000	50.00000	-0.44340	0.058767	0.10015		
526633	0.0000	185355	0.0000	50.00000	-0.24303	0.0052772	0.042479		
526634	0.0000	185355	0.0000	50.00000	-0.094659	612.45E-6	0.020906		
526635	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185355	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526552	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526553	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526554	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526555	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526556	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526557	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526558	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526559	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526560	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526561	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526562	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526563	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526564	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526565	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526566	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526567	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526568	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526569	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526570	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526571	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526572	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526573	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526574	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526575	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526576	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526577	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526578	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526579	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526580	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526581	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526582	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526583	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526584	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526585	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526586	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526587	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526588	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526589	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526590	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526591	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526592	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185356	0.0000	50.00000	0.0050470	0.0023579	0.0021660		
526601	0.0000	185356	0.0000	50.00000	0.29989	0.13350	0.050160		
526602	0.0000	185356	0.0000	50.00000	0.64770	0.28326	0.095071		
526603	0.0000	185356	0.0000	50.00000	0.99006	0.48667	0.18574		
526604	0.0000	185356	0.0000	50.00000	1.7163	0.82989	0.44871		
526605	0.0000	185356	0.0000	50.00000	2.1425	1.0363	0.77463		
526606	0.0000	185356	0.0000	50.00000	2.5601	1.2386	1.2218		
526607	0.0000	185356	0.0000	50.00000	2.9633	1.4342	1.7964		
526608	0.0000	185356	0.0000	50.00000	3.4255	1.6573	2.3462		
526609	0.0000	185356	0.0000	50.00000	3.8492	1.8625	2.7556		
526610	0.0000	185356	0.0000	50.00000	4.0897	1.9821	2.8447		
526611	0.0000	185356	0.0000	50.00000	3.8357	1.8707	2.4179		
526612	0.0000	185356	0.0000	50.00000	3.5898	1.7630	1.8428		
526613	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526614	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526615	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526616	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526617	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526618	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526619	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526620	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526621	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526622	0.0000	185356	0.0000	50.00000					Point lies within an excavation.
526623	0.0000	185356	0.0000	50.00000	-2.7818	5.7911	2.7478		
526624	0.0000	185356	0.0000	50.00000	-2.9675	2.8038	3.0332		
526625	0.0000	185356	0.0000	50.00000	-2.5016	1.4827	2.4640		
526626	0.0000	185356	0.0000	50.00000	-2.2084	1.0450	2.0938		
526627	0.0000	185356	0.0000	50.00000	-1.8716	0.74276	1.6453		
526628	0.0000	185356	0.0000	50.00000	-1.5871	0.51646	1.1519		
526629	0.0000	185356	0.0000	50.00000	-1.3472	0.34145	0.69383		
526630	0.0000	185356	0.0000	50.00000	-1.0934	0.20803	0.42344		
526631	0.0000	185356	0.0000	50.00000	-0.82972	0.10691	0.23435		
526632	0.0000	185356	0.0000	50.00000	-0.55862	0.031132	0.12016		
526633	0.0000	185356	0.0000	50.00000	-0.28187	-0.024579	0.049365		
526634	0.0000	185356	0.0000	50.00000	-0.11391	-0.011536	0.023374		
526635	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185356	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526552	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526553	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526554	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526555	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526556	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526557	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526558	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526559	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526560	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526561	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526562	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526563	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526564	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526565	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526566	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526567	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526568	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526569	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526570	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526571	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526572	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526573	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526574	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526575	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526576	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526577	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526578	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526579	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526580	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526581	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526582	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526583	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526584	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526585	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526586	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526587	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526588	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526589	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526590	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526591	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526592	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526593	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526594	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526595	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		
526596	0.0000	185357	0.0000	50.00000	0.0	0.0	0.0		

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526597.00000	185357.00000	50.00000					0.0	0.0	0.0
526598.00000	185357.00000	50.00000					0.0	0.0	0.0
526599.00000	185357.00000	50.00000					0.0	0.0	0.0
526600.00000	185357.00000	50.00000					0.013416	0.0046190	0.0047514
526601.00000	185357.00000	50.00000					0.32293	0.12875	0.052502
526602.00000	185357.00000	50.00000					0.63887	0.26331	0.097582
526603.00000	185357.00000	50.00000					0.95420	0.40741	0.19292
526604.00000	185357.00000	50.00000					1.2685	0.56426	0.36656
526605.00000	185357.00000	50.00000					1.5808	0.73859	0.62143
526606.00000	185357.00000	50.00000					2.4972	1.2128	1.2453
526607.00000	185357.00000	50.00000					2.8225	1.3720	1.7371
526608.00000	185357.00000	50.00000					3.1645	1.5390	2.1828
526609.00000	185357.00000	50.00000					3.4545	1.6817	2.4654
526610.00000	185357.00000	50.00000					3.5538	1.7353	2.4313
526611.00000	185357.00000	50.00000					3.4361	1.6875	2.0177
526612.00000	185357.00000	50.00000					3.7382	1.8359	1.5724
526613.00000	185357.00000	50.00000					Point lies within an excavation.		
526614.00000	185357.00000	50.00000					Point lies within an excavation.		
526615.00000	185357.00000	50.00000					Point lies within an excavation.		
526616.00000	185357.00000	50.00000					Point lies within an excavation.		
526617.00000	185357.00000	50.00000					Point lies within an excavation.		
526618.00000	185357.00000	50.00000					Point lies within an excavation.		
526619.00000	185357.00000	50.00000					Point lies within an excavation.		
526620.00000	185357.00000	50.00000					Point lies within an excavation.		
526621.00000	185357.00000	50.00000					Point lies within an excavation.		
526622.00000	185357.00000	50.00000					Point lies within an excavation.		
526623.00000	185357.00000	50.00000					-7.2129	0.086873	9.088
526624.00000	185357.00000	50.00000					-6.1309	0.24890	5.1749
526625.00000	185357.00000	50.00000					-3.3655	0.33182	3.1223
526626.00000	185357.00000	50.00000					-2.7270	0.37295	2.5223
526627.00000	185357.00000	50.00000					-2.2148	0.30888	1.8783
526628.00000	185357.00000	50.00000					-1.8416	0.21252	1.2989
526629.00000	185357.00000	50.00000					-1.5427	0.12153	0.78199
526630.00000	185357.00000	50.00000					-1.2451	0.054770	0.47082
526631.00000	185357.00000	50.00000					-0.94747	0.0082723	0.25557
526632.00000	185357.00000	50.00000					-0.64921	-0.021837	0.12991
526633.00000	185357.00000	50.00000					-0.35025	-0.038797	0.062609
526634.00000	185357.00000	50.00000					-0.11887	-0.023191	0.023748
526635.00000	185357.00000	50.00000					0.0	0.0	0.0
526636.00000	185357.00000	50.00000					0.0	0.0	0.0
526637.00000	185357.00000	50.00000					0.0	0.0	0.0
526638.00000	185357.00000	50.00000					0.0	0.0	0.0
526639.00000	185357.00000	50.00000					0.0	0.0	0.0
526640.00000	185357.00000	50.00000					0.0	0.0	0.0
526641.00000	185357.00000	50.00000					0.0	0.0	0.0
526642.00000	185357.00000	50.00000					0.0	0.0	0.0
526643.00000	185357.00000	50.00000					0.0	0.0	0.0
526644.00000	185357.00000	50.00000					0.0	0.0	0.0
526645.00000	185357.00000	50.00000					0.0	0.0	0.0
526646.00000	185357.00000	50.00000					0.0	0.0	0.0
526647.00000	185357.00000	50.00000					0.0	0.0	0.0
526648.00000	185357.00000	50.00000					0.0	0.0	0.0
526649.00000	185357.00000	50.00000					0.0	0.0	0.0
526650.00000	185357.00000	50.00000					0.0	0.0	0.0
526550.00000	185358.00000	50.00000					0.0	0.0	0.0
526551.00000	185358.00000	50.00000					0.0	0.0	0.0
526552.00000	185358.00000	50.00000					0.0	0.0	0.0
526553.00000	185358.00000	50.00000					0.0	0.0	0.0
526554.00000	185358.00000	50.00000					0.0	0.0	0.0
526555.00000	185358.00000	50.00000					0.0	0.0	0.0
526556.00000	185358.00000	50.00000					0.0	0.0	0.0
526557.00000	185358.00000	50.00000					0.0	0.0	0.0
526558.00000	185358.00000	50.00000					0.0	0.0	0.0
526559.00000	185358.00000	50.00000					0.0	0.0	0.0
526560.00000	185358.00000	50.00000					0.0	0.0	0.0
526561.00000	185358.00000	50.00000					0.0	0.0	0.0
526562.00000	185358.00000	50.00000					0.0	0.0	0.0
526563.00000	185358.00000	50.00000					0.0	0.0	0.0
526564.00000	185358.00000	50.00000					0.0	0.0	0.0
526565.00000	185358.00000	50.00000					0.0	0.0	0.0
526566.00000	185358.00000	50.00000					0.0	0.0	0.0
526567.00000	185358.00000	50.00000					0.0	0.0	0.0
526568.00000	185358.00000	50.00000					0.0	0.0	0.0
526569.00000	185358.00000	50.00000					0.0	0.0	0.0
526570.00000	185358.00000	50.00000					0.0	0.0	0.0
526571.00000	185358.00000	50.00000					0.0	0.0	0.0
526572.00000	185358.00000	50.00000					0.0	0.0	0.0
526573.00000	185358.00000	50.00000					0.0	0.0	0.0
526574.00000	185358.00000	50.00000					0.0	0.0	0.0
526575.00000	185358.00000	50.00000					0.0	0.0	0.0
526576.00000	185358.00000	50.00000					0.0	0.0	0.0
526577.00000	185358.00000	50.00000					0.0	0.0	0.0
526578.00000	185358.00000	50.00000					0.0	0.0	0.0
526579.00000	185358.00000	50.00000					0.0	0.0	0.0
526580.00000	185358.00000	50.00000					0.0	0.0	0.0
526581.00000	185358.00000	50.00000					0.0	0.0	0.0
526582.00000	185358.00000	50.00000					0.0	0.0	0.0
526583.00000	185358.00000	50.00000					0.0	0.0	0.0
526584.00000	185358.00000	50.00000					0.0	0.0	0.0
526585.00000	185358.00000	50.00000					0.0	0.0	0.0
526586.00000	185358.00000	50.00000					0.0	0.0	0.0
526587.00000	185358.00000	50.00000					0.0	0.0	0.0
526588.00000	185358.00000	50.00000					0.0	0.0	0.0
526589.00000	185358.00000	50.00000					0.0	0.0	0.0
526590.00000	185358.00000	50.00000					0.0	0.0	0.0
526591.00000	185358.00000	50.00000					0.0	0.0	0.0
526592.00000	185358.00000	50.00000					0.0	0.0	0.0
526593.00000	185358.00000	50.00000					0.0	0.0	0.0
526594.00000	185358.00000	50.00000					0.0	0.0	0.0
526595.00000	185358.00000	50.00000					0.0	0.0	0.0
526596.00000	185358.00000	50.00000					0.0	0.0	0.0
526597.00000	185358.00000	50.00000					0.0	0.0	0.0
526598.00000	185358.00000	50.00000					0.0	0.0	0.0
526599.00000	185358.00000	50.00000					0.0	0.0	0.0
526600.00000	185358.00000	50.00000					0.049753	0.013636	0.012464
526601.00000	185358.00000	50.00000					0.31586	0.10465	0.051609

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526602.00000	185358.00000	50.00000		0.60201	0.21016	0.097543			
526603.00000	185358.00000	50.00000		0.88193	0.31969	0.19342			
526604.00000	185358.00000	50.00000		1.1537	0.43501	0.36263			
526605.00000	185358.00000	50.00000		1.4261	0.56450	0.60775			
526606.00000	185358.00000	50.00000		1.6985	0.71490	0.91195			
526607.00000	185358.00000	50.00000		1.9683	0.89749	1.2584			
526608.00000	185358.00000	50.00000		3.0702	1.4985	2.1347			
526609.00000	185358.00000	50.00000		3.2946	1.6105	2.3139			
526610.00000	185358.00000	50.00000		3.3777	1.6566	2.1784			
526611.00000	185358.00000	50.00000		3.5844	1.7604	1.8506			
526612.00000	185358.00000	50.00000		3.8866	1.9098	1.1861			
526613.00000	185358.00000	50.00000							Point lies within an excavation.
526614.00000	185358.00000	50.00000							Point lies within an excavation.
526615.00000	185358.00000	50.00000							Point lies within an excavation.
526616.00000	185358.00000	50.00000							Point lies within an excavation.
526617.00000	185358.00000	50.00000							Point lies within an excavation.
526618.00000	185358.00000	50.00000							Point lies within an excavation.
526619.00000	185358.00000	50.00000							Point lies within an excavation.
526620.00000	185358.00000	50.00000							Point lies within an excavation.
526621.00000	185358.00000	50.00000							Point lies within an excavation.
526622.00000	185358.00000	50.00000							Point lies within an excavation.
526623.00000	185358.00000	50.00000		-7.0379	0.91792	5.7769			
526624.00000	185358.00000	50.00000		-5.5247	-0.035874	4.8666			
526625.00000	185358.00000	50.00000		-4.7121	-0.39830	4.3151			
526626.00000	185358.00000	50.00000		-3.9764	-0.59148	3.5590			
526627.00000	185358.00000	50.00000		-2.4231	-0.12625	2.0161			
526628.00000	185358.00000	50.00000		-2.0363	-0.12509	1.3417			
526629.00000	185358.00000	50.00000		-1.6902	-0.12752	0.82214			
526630.00000	185358.00000	50.00000		-1.3562	-0.12195	0.48937			
526631.00000	185358.00000	50.00000		-1.0348	-0.10699	0.26253			
526632.00000	185358.00000	50.00000		-0.71735	-0.085915	0.13279			
526633.00000	185358.00000	50.00000		-0.39607	-0.062098	0.068353			
526634.00000	185358.00000	50.00000		-0.10629	-0.029362	0.021717			
526635.00000	185358.00000	50.00000		0.0	0.0	0.0			
526636.00000	185358.00000	50.00000		0.0	0.0	0.0			
526637.00000	185358.00000	50.00000		0.0	0.0	0.0			
526638.00000	185358.00000	50.00000		0.0	0.0	0.0			
526639.00000	185358.00000	50.00000		0.0	0.0	0.0			
526640.00000	185358.00000	50.00000		0.0	0.0	0.0			
526641.00000	185358.00000	50.00000		0.0	0.0	0.0			
526642.00000	185358.00000	50.00000		0.0	0.0	0.0			
526643.00000	185358.00000	50.00000		0.0	0.0	0.0			
526644.00000	185358.00000	50.00000		0.0	0.0	0.0			
526645.00000	185358.00000	50.00000		0.0	0.0	0.0			
526646.00000	185358.00000	50.00000		0.0	0.0	0.0			
526647.00000	185358.00000	50.00000		0.0	0.0	0.0			
526648.00000	185358.00000	50.00000		0.0	0.0	0.0			
526649.00000	185358.00000	50.00000		0.0	0.0	0.0			
526650.00000	185358.00000	50.00000		0.0	0.0	0.0			
526550.00000	185359.00000	50.00000		0.0	0.0	0.0			
526551.00000	185359.00000	50.00000		0.0	0.0	0.0			
526552.00000	185359.00000	50.00000		0.0	0.0	0.0			
526553.00000	185359.00000	50.00000		0.0	0.0	0.0			
526554.00000	185359.00000	50.00000		0.0	0.0	0.0			
526555.00000	185359.00000	50.00000		0.0	0.0	0.0			
526556.00000	185359.00000	50.00000		0.0	0.0	0.0			
526557.00000	185359.00000	50.00000		0.0	0.0	0.0			
526558.00000	185359.00000	50.00000		0.0	0.0	0.0			
526559.00000	185359.00000	50.00000		0.0	0.0	0.0			
526560.00000	185359.00000	50.00000		0.0	0.0	0.0			
526561.00000	185359.00000	50.00000		0.0	0.0	0.0			
526562.00000	185359.00000	50.00000		0.0	0.0	0.0			
526563.00000	185359.00000	50.00000		0.0	0.0	0.0			
526564.00000	185359.00000	50.00000		0.0	0.0	0.0			
526565.00000	185359.00000	50.00000		0.0	0.0	0.0			
526566.00000	185359.00000	50.00000		0.0	0.0	0.0			
526567.00000	185359.00000	50.00000		0.0	0.0	0.0			
526568.00000	185359.00000	50.00000		0.0	0.0	0.0			
526569.00000	185359.00000	50.00000		0.0	0.0	0.0			
526570.00000	185359.00000	50.00000		0.0	0.0	0.0			
526571.00000	185359.00000	50.00000		0.0	0.0	0.0			
526572.00000	185359.00000	50.00000		0.0	0.0	0.0			
526573.00000	185359.00000	50.00000		0.0	0.0	0.0			
526574.00000	185359.00000	50.00000		0.0	0.0	0.0			
526575.00000	185359.00000	50.00000		0.0	0.0	0.0			
526576.00000	185359.00000	50.00000		0.0	0.0	0.0			
526577.00000	185359.00000	50.00000		0.0	0.0	0.0			
526578.00000	185359.00000	50.00000		0.0	0.0	0.0			
526579.00000	185359.00000	50.00000		0.0	0.0	0.0			
526580.00000	185359.00000	50.00000		0.0	0.0	0.0			
526581.00000	185359.00000	50.00000		0.0	0.0	0.0			
526582.00000	185359.00000	50.00000		0.0	0.0	0.0			
526583.00000	185359.00000	50.00000		0.0	0.0	0.0			
526584.00000	185359.00000	50.00000		0.0	0.0	0.0			
526585.00000	185359.00000	50.00000		0.0	0.0	0.0			
526586.00000	185359.00000	50.00000		0.0	0.0	0.0			
526587.00000	185359.00000	50.00000		0.0	0.0	0.0			
526588.00000	185359.00000	50.00000		0.0	0.0	0.0			
526589.00000	185359.00000	50.00000		0.0	0.0	0.0			
526590.00000	185359.00000	50.00000		0.0	0.0	0.0			
526591.00000	185359.00000	50.00000		0.0	0.0	0.0			
526592.00000	185359.00000	50.00000		0.0	0.0	0.0			
526593.00000	185359.00000	50.00000		0.0	0.0	0.0			
526594.00000	185359.00000	50.00000		0.0	0.0	0.0			
526595.00000	185359.00000	50.00000		0.0	0.0	0.0			
526596.00000	185359.00000	50.00000		0.0	0.0	0.0			
526597.00000	185359.00000	50.00000		0.0	0.0	0.0			
526598.00000	185359.00000	50.00000		0.0	0.0	0.0			
526599.00000	185359.00000	50.00000		0.0	0.0	0.0			
526600.00000	185359.00000	50.00000		0.066439	0.012813	0.015715			
526601.00000	185359.00000	50.00000		0.28560	0.067972	0.047976			
526602.00000	185359.00000	50.00000		0.54263	0.14312	0.094275			
526603.00000	185359.00000	50.00000		0.79360	0.21855	0.18743			
526604.00000	185359.00000	50.00000		1.0363	0.29456	0.34920			
526605.00000	185359.00000	50.00000		1.2687	0.37221	0.57853			
526606.00000	185359.00000	50.00000		1.4880	0.45397	0.86645			

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526607	0.00000	185359	0.00000	50.00000	1.6936	0.54351	1.1643		
526608	0.00000	185359	0.00000	50.00000	1.8962	0.63954	1.4145		
526609	0.00000	185359	0.00000	50.00000	2.0973	0.83023	1.4999		
526610	0.00000	185359	0.00000	50.00000	3.4307	1.6849	2.0220		
526611	0.00000	185359	0.00000	50.00000	3.7328	1.8333	1.5841		
526612	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526613	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526614	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526615	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526616	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526617	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526618	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526619	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526620	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526621	0.00000	185359	0.00000	50.00000			Point lies within an excavation.		
526622	0.00000	185359	0.00000	50.00000	-8.0709	1.7150	5.8366		
526623	0.00000	185359	0.00000	50.00000	-6.9401	1.7958	6.1735		
526624	0.00000	185359	0.00000	50.00000	-5.3678	0.033620	4.8746		
526625	0.00000	185359	0.00000	50.00000	-4.5589	-0.48828	4.1911		
526626	0.00000	185359	0.00000	50.00000	-3.8122	-0.69594	3.3764		
526627	0.00000	185359	0.00000	50.00000	-3.2074	-0.73283	2.4965		
526628	0.00000	185359	0.00000	50.00000	-2.8006	-0.72777	1.6324		
526629	0.00000	185359	0.00000	50.00000	-1.8092	-0.36949	0.82099		
526630	0.00000	185359	0.00000	50.00000	-1.4585	-0.28804	0.48949		
526631	0.00000	185359	0.00000	50.00000	-1.1092	-0.21483	0.26044		
526632	0.00000	185359	0.00000	50.00000	-0.76101	-0.14770	0.13082		
526633	0.00000	185359	0.00000	50.00000	-0.41378	-0.085071	0.069420		
526634	0.00000	185359	0.00000	50.00000	-0.073504	-0.025436	0.016441		
526635	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526636	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526637	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526638	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526639	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526640	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526641	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526642	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526643	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526644	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526645	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526646	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526647	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526648	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526649	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526650	0.00000	185359	0.00000	50.00000	0.0	0.0	0.0		
526550	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526551	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526552	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526553	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526554	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526555	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526556	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526557	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526558	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526559	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526560	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526561	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526562	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526563	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526564	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526565	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526566	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526567	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526568	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526569	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526570	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526571	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526572	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526573	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526574	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526575	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526576	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526577	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526578	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526579	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526580	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526581	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526582	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526583	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526584	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526585	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526586	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526587	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526588	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526589	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526590	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526591	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526592	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526593	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526594	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526595	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526596	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526597	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526598	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526599	0.00000	185360	0.00000	50.00000	0.0	0.0	0.0		
526600	0.00000	185360	0.00000	50.00000	0.065898	0.0065719	0.015863		
526601	0.00000	185360	0.00000	50.00000	0.23983	0.026463	0.041398		
526602	0.00000	185360	0.00000	50.00000	0.47167	0.072644	0.087341		
526603	0.00000	185360	0.00000	50.00000	0.69223	0.11252	0.17296		
526604	0.00000	185360	0.00000	50.00000	0.89837	0.14418	0.31862		
526605	0.00000	185360	0.00000	50.00000	1.0858	0.16493	0.52243		
526606	0.00000	185360	0.00000	50.00000	1.2486	0.17075	0.78569		
526607	0.00000	185360	0.00000	50.00000	1.3826	0.14785	1.0596		
526608	0.00000	185360	0.00000	50.00000	1.4964	0.045092	1.2706		
526609	0.00000	185360	0.00000	50.00000	1.5548	-0.13188	1.3511		
526610	0.00000	185360	0.00000	50.00000	1.6142	-0.46652	1.2874		
526611	0.00000	185360	0.00000	50.00000	1.8595	-3.0307	1.6749		

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526612	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526613	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526614	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526615	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526616	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526617	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526618	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526619	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526620	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526621	0.0000	185360	0.0000	50.00000					Point lies within an excavation.
526622	0.0000	185360	0.0000	50.00000			-8.0222	2.8098	5.8754
526623	0.0000	185360	0.0000	50.00000			-6.1383	0.9922	5.1426
526624	0.0000	185360	0.0000	50.00000			-5.1786	-0.58930	4.4608
526625	0.0000	185360	0.0000	50.00000			-4.3806	-0.96546	3.8176
526626	0.0000	185360	0.0000	50.00000			-3.7129	-0.95667	3.1248
526627	0.0000	185360	0.0000	50.00000			-3.2484	-0.94111	2.3010
526628	0.0000	185360	0.0000	50.00000			-2.8227	-0.85071	1.5102
526629	0.0000	185360	0.0000	50.00000			-2.3805	-0.73702	0.98470
526630	0.0000	185360	0.0000	50.00000			-1.9284	-0.60915	0.58102
526631	0.0000	185360	0.0000	50.00000			-1.1405	-0.30902	0.24598
526632	0.0000	185360	0.0000	50.00000			-0.76628	-0.19839	0.12417
526633	0.0000	185360	0.0000	50.00000			-0.39690	-0.09847	0.066835
526634	0.0000	185360	0.0000	50.00000			-0.031426	-0.0080524	0.010581
526635	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526636	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526637	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526638	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526639	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526640	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526641	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526642	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526643	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526644	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526645	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526646	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526647	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526648	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526649	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526650	0.0000	185360	0.0000	50.00000			0.0	0.0	0.0
526550	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526551	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526552	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526553	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526554	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526555	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526556	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526557	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526558	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526559	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526560	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526561	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526562	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526563	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526564	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526565	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526566	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526567	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526568	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526569	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526570	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526571	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526572	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526573	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526574	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526575	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526576	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526577	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526578	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526579	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526580	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526581	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526582	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526583	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526584	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526585	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526586	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526587	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526588	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526589	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526590	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526591	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526592	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526593	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526594	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526595	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526596	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526597	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526598	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526599	0.0000	185361	0.0000	50.00000			0.0	0.0	0.0
526600	0.0000	185361	0.0000	50.00000			0.051103	-340.96E-6	0.013367
526601	0.0000	185361	0.0000	50.00000			0.20289	-0.0041929	0.035878
526602	0.0000	185361	0.0000	50.00000			0.38692	0.0034195	0.075178
526603	0.0000	185361	0.0000	50.00000			0.57791	0.0094016	0.14975
526604	0.0000	185361	0.0000	50.00000			0.74892	-797.51E-6	0.27392
526605	0.0000	185361	0.0000	50.00000			0.89383	-0.033196	0.44654
526606	0.0000	185361	0.0000	50.00000			1.0038	-0.097317	0.67203
526607	0.0000	185361	0.0000	50.00000			1.0649	-0.20965	0.92138
526608	0.0000	185361	0.0000	50.00000			1.1404	-0.49786	1.1679
526609	0.0000	185361	0.0000	50.00000			1.2415	-1.0187	1.4369
526610	0.0000	185361	0.0000	50.00000			1.4318	-2.0309	1.7366
526611	0.0000	185361	0.0000	50.00000			2.4018	-4.7056	3.1067
526612	0.0000	185361	0.0000	50.00000			2.6245	-5.1419	3.0048
526613	0.0000	185361	0.0000	50.00000			2.8705	-5.6239	2.7895
526614	0.0000	185361	0.0000	50.00000					Point lies within an excavation.
526615	0.0000	185361	0.0000	50.00000					Point lies within an excavation.
526616	0.0000	185361	0.0000	50.00000					Point lies within an excavation.

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526622	0.0000	185362	0.0000	50.00000	-5.1732	-2.3701	2.0377		
526623	0.0000	185362	0.0000	50.00000	-5.4527	-2.5146	3.2574		
526624	0.0000	185362	0.0000	50.00000	-5.2293	-2.4167	3.6387		
526625	0.0000	185362	0.0000	50.00000	-5.5851	-2.5980	4.0978		
526626	0.0000	185362	0.0000	50.00000	-3.9286	-1.7133	2.6607		
526627	0.0000	185362	0.0000	50.00000	-3.3495	-1.4020	1.8633		
526628	0.0000	185362	0.0000	50.00000	-2.8070	-1.1352	1.2713		
526629	0.0000	185362	0.0000	50.00000	-2.2830	-0.89763	0.78946		
526630	0.0000	185362	0.0000	50.00000	-1.7703	-0.67821	0.44338		
526631	0.0000	185362	0.0000	50.00000	-1.2652	-0.47070	0.23064		
526632	0.0000	185362	0.0000	50.00000	-0.76521	-0.27142	0.12058		
526633	0.0000	185362	0.0000	50.00000	-0.26849	-0.078066	0.050489		
526634	0.0000	185362	0.0000	50.00000	-0.0099337	-0.0021312	0.0039520		
526635	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185362	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526552	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526553	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526554	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526555	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526556	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526557	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526558	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526559	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526560	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526561	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526562	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526563	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526564	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526565	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526566	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526567	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526568	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526569	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526570	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526571	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526572	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526573	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526574	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526575	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526576	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526577	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526578	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526579	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526580	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526581	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526582	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526583	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526584	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526585	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526586	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526587	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526588	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526589	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526590	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526591	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526592	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526593	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526594	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526595	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526596	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526597	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526598	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526599	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526600	0.0000	185363	0.0000	50.00000	0.0	0.0	0.0		
526601	0.0000	185363	0.0000	50.00000	0.11598	-0.035856	0.024976		
526602	0.0000	185363	0.0000	50.00000	0.23533	-0.086435	0.046192		
526603	0.0000	185363	0.0000	50.00000	0.36134	-0.15115	0.092601		
526604	0.0000	185363	0.0000	50.00000	0.50056	-0.23123	0.17199		
526605	0.0000	185363	0.0000	50.00000	0.62164	-0.34895	0.31112		
526606	0.0000	185363	0.0000	50.00000	0.72110	-0.51697	0.48444		
526607	0.0000	185363	0.0000	50.00000	0.79474	-0.75322	0.74068		
526608	0.0000	185363	0.0000	50.00000	0.84454	-1.0785	1.0601		
526609	0.0000	185363	0.0000	50.00000	0.93829	-1.5853	1.4039		
526610	0.0000	185363	0.0000	50.00000	1.5373	-3.0118	2.4825		
526611	0.0000	185363	0.0000	50.00000	1.6924	-3.3156	2.7161		
526612	0.0000	185363	0.0000	50.00000	1.8549	-3.6340	2.9077		
526613	0.0000	185363	0.0000	50.00000	2.0280	-3.9733	3.0451		
526614	0.0000	185363	0.0000	50.00000	2.2151	-4.3397	3.1148		
526615	0.0000	185363	0.0000	50.00000	2.4192	-4.7337	3.1023		
526616	0.0000	185363	0.0000	50.00000	2.6437	-5.1795	2.9917		
526617	0.0000	185363	0.0000	50.00000	2.8918	-5.6655	2.7664		
526618	0.0000	185363	0.0000	50.00000	Point lies within an excavation.				
526619	0.0000	185363	0.0000	50.00000	Point lies within an excavation.				
526620	0.0000	185363	0.0000	50.00000	Point lies within an excavation.				
526621	0.0000	185363	0.0000	50.00000	Point lies within an excavation.				
526622	0.0000	185363	0.0000	50.00000	-4.6136	-2.1047	2.1506		
526623	0.0000	185363	0.0000	50.00000	-4.6881	-2.1504	2.9575		
526624	0.0000	185363	0.0000	50.00000	-4.5290	-2.0834	3.1842		
526625	0.0000	185363	0.0000	50.00000	-4.2137	-1.9412	2.9429		
526626	0.0000	185363	0.0000	50.00000	-3.8569	-1.7789	2.4027		

Stage: Ref.	Stage: Name	Disp. Grid: Ref.	Disp. Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526627	0.0000	185363	0.0000	50.00000			-4.0140	-1.8644	2.0725
526628	0.0000	185363	0.0000	50.00000			-2.7285	-1.2347	1.1043
526629	0.0000	185363	0.0000	50.00000			-2.1789	-0.94925	0.67020
526630	0.0000	185363	0.0000	50.00000			-1.6460	-0.69220	0.37027
526631	0.0000	185363	0.0000	50.00000			-1.1245	-0.45459	0.19382
526632	0.0000	185363	0.0000	50.00000			-0.61122	-0.23080	0.099201
526633	0.0000	185363	0.0000	50.00000			-0.18075	-0.054202	0.030956
526634	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526635	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526636	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526637	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526638	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526639	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526640	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526641	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526642	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526643	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526644	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526645	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526646	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526647	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526648	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526649	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526650	0.0000	185363	0.0000	50.00000			0.0	0.0	0.0
526550	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526551	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526552	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526553	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526554	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526555	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526556	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526557	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526558	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526559	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526560	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526561	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526562	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526563	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526564	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526565	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526566	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526567	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526568	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526569	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526570	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526571	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526572	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526573	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526574	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526575	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526576	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526577	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526578	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526579	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526580	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526581	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526582	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526583	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526584	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526585	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526586	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526587	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526588	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526589	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526590	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526591	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526592	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526593	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526594	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526595	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526596	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526597	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526598	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526599	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526600	0.0000	185364	0.0000	50.00000			0.0	0.0	0.0
526601	0.0000	185364	0.0000	50.00000			0.069719	-0.032915	0.018344
526602	0.0000	185364	0.0000	50.00000			0.18486	-0.10076	0.037808
526603	0.0000	185364	0.0000	50.00000			0.29632	-0.18768	0.070010
526604	0.0000	185364	0.0000	50.00000			0.40954	-0.29637	0.13513
526605	0.0000	185364	0.0000	50.00000			0.52111	-0.43329	0.24078
526606	0.0000	185364	0.0000	50.00000			0.61316	-0.61626	0.38431
526607	0.0000	185364	0.0000	50.00000			0.68140	-0.85642	0.55775
526608	0.0000	185364	0.0000	50.00000			0.73933	-1.1569	0.81800
526609	0.0000	185364	0.0000	50.00000			0.78279	-1.5232	1.1081
526610	0.0000	185364	0.0000	50.00000			1.2425	-2.4342	1.9456
526611	0.0000	185364	0.0000	50.00000			1.3924	-2.7280	2.2296
526612	0.0000	185364	0.0000	50.00000			1.5435	-3.0240	2.4927
526613	0.0000	185364	0.0000	50.00000			1.6988	-3.3283	2.7248
526614	0.0000	185364	0.0000	50.00000			1.8617	-3.6474	2.9145
526615	0.0000	185364	0.0000	50.00000			2.0354	-3.9877	3.0494
526616	0.0000	185364	0.0000	50.00000			2.2230	-4.3553	3.1160
526617	0.0000	185364	0.0000	50.00000			2.4279	-4.7568	3.0998
526618	0.0000	185364	0.0000	50.00000			2.6533	-5.1984	2.9849
526619	0.0000	185364	0.0000	50.00000			2.9024	-5.6864	2.7545
526620	0.0000	185364	0.0000	50.00000			Point lies within an excavation.		
526621	0.0000	185364	0.0000	50.00000			Point lies within an excavation.		
526622	0.0000	185364	0.0000	50.00000			-4.2612	-1.9392	2.2538
526623	0.0000	185364	0.0000	50.00000			-4.1562	-1.8983	2.7144
526624	0.0000	185364	0.0000	50.00000			-4.0132	-1.8391	2.7728
526625	0.0000	185364	0.0000	50.00000			-3.7793	-1.7361	2.4783
526626	0.0000	185364	0.0000	50.00000			-3.4579	-1.5909	2.0005
526627	0.0000	185364	0.0000	50.00000			-3.0702	-1.4138	1.5037
526628	0.0000	185364	0.0000	50.00000			-2.6339	-1.2131	1.0266
526629	0.0000	185364	0.0000	50.00000			-2.1615	-0.99514	0.63400
526630	0.0000	185364	0.0000	50.00000			-1.4893	-0.67763	0.29579
526631	0.0000	185364	0.0000	50.00000			-0.95215	-0.41707	0.15654

Stage: Ref.	Stage: Name	Disp: Grid: Ref.	Disp: Grid: Name	x	y	z	Δx	Δy	Δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
				526632.00000	185364.00000	50.00000	-0.43032	-0.17362	0.070030
				526633.00000	185364.00000	50.00000	-0.13907	-0.050862	0.025671
				526634.00000	185364.00000	50.00000	0.0	0.0	0.0
				526635.00000	185364.00000	50.00000	0.0	0.0	0.0
				526636.00000	185364.00000	50.00000	0.0	0.0	0.0
				526637.00000	185364.00000	50.00000	0.0	0.0	0.0
				526638.00000	185364.00000	50.00000	0.0	0.0	0.0
				526639.00000	185364.00000	50.00000	0.0	0.0	0.0
				526640.00000	185364.00000	50.00000	0.0	0.0	0.0
				526641.00000	185364.00000	50.00000	0.0	0.0	0.0
				526642.00000	185364.00000	50.00000	0.0	0.0	0.0
				526643.00000	185364.00000	50.00000	0.0	0.0	0.0
				526644.00000	185364.00000	50.00000	0.0	0.0	0.0
				526645.00000	185364.00000	50.00000	0.0	0.0	0.0
				526646.00000	185364.00000	50.00000	0.0	0.0	0.0
				526647.00000	185364.00000	50.00000	0.0	0.0	0.0
				526648.00000	185364.00000	50.00000	0.0	0.0	0.0
				526649.00000	185364.00000	50.00000	0.0	0.0	0.0
				526650.00000	185364.00000	50.00000	0.0	0.0	0.0
				526650.00000	185365.00000	50.00000	0.0	0.0	0.0
				526651.00000	185365.00000	50.00000	0.0	0.0	0.0
				526652.00000	185365.00000	50.00000	0.0	0.0	0.0
				526653.00000	185365.00000	50.00000	0.0	0.0	0.0
				526654.00000	185365.00000	50.00000	0.0	0.0	0.0
				526655.00000	185365.00000	50.00000	0.0	0.0	0.0
				526655.00000	185365.00000	50.00000	0.0	0.0	0.0
				526656.00000	185365.00000	50.00000	0.0	0.0	0.0
				526657.00000	185365.00000	50.00000	0.0	0.0	0.0
				526658.00000	185365.00000	50.00000	0.0	0.0	0.0
				526659.00000	185365.00000	50.00000	0.0	0.0	0.0
				526660.00000	185365.00000	50.00000	0.0	0.0	0.0
				526661.00000	185365.00000	50.00000	0.0	0.0	0.0
				526662.00000	185365.00000	50.00000	0.0	0.0	0.0
				526663.00000	185365.00000	50.00000	0.0	0.0	0.0
				526664.00000	185365.00000	50.00000	0.0	0.0	0.0
				526665.00000	185365.00000	50.00000	0.0	0.0	0.0
				526666.00000	185365.00000	50.00000	0.0	0.0	0.0
				526667.00000	185365.00000	50.00000	0.0	0.0	0.0
				526668.00000	185365.00000	50.00000	0.0	0.0	0.0
				526669.00000	185365.00000	50.00000	0.0	0.0	0.0
				526670.00000	185365.00000	50.00000	0.0	0.0	0.0
				526671.00000	185365.00000	50.00000	0.0	0.0	0.0
				526672.00000	185365.00000	50.00000	0.0	0.0	0.0
				526673.00000	185365.00000	50.00000	0.0	0.0	0.0
				526674.00000	185365.00000	50.00000	0.0	0.0	0.0
				526675.00000	185365.00000	50.00000	0.0	0.0	0.0
				526676.00000	185365.00000	50.00000	0.0	0.0	0.0
				526677.00000	185365.00000	50.00000	0.0	0.0	0.0
				526678.00000	185365.00000	50.00000	0.0	0.0	0.0
				526679.00000	185365.00000	50.00000	0.0	0.0	0.0
				526680.00000	185365.00000	50.00000	0.0	0.0	0.0
				526681.00000	185365.00000	50.00000	0.0	0.0	0.0
				526682.00000	185365.00000	50.00000	0.0	0.0	0.0
				526683.00000	185365.00000	50.00000	0.0	0.0	0.0
				526684.00000	185365.00000	50.00000	0.0	0.0	0.0
				526685.00000	185365.00000	50.00000	0.0	0.0	0.0
				526686.00000	185365.00000	50.00000	0.0	0.0	0.0
				526687.00000	185365.00000	50.00000	0.0	0.0	0.0
				526688.00000	185365.00000	50.00000	0.0	0.0	0.0
				526689.00000	185365.00000	50.00000	0.0	0.0	0.0
				526690.00000	185365.00000	50.00000	0.0	0.0	0.0
				526691.00000	185365.00000	50.00000	0.0	0.0	0.0
				526692.00000	185365.00000	50.00000	0.0	0.0	0.0
				526693.00000	185365.00000	50.00000	0.0	0.0	0.0
				526694.00000	185365.00000	50.00000	0.0	0.0	0.0
				526695.00000	185365.00000	50.00000	0.0	0.0	0.0
				526696.00000	185365.00000	50.00000	0.0	0.0	0.0
				526697.00000	185365.00000	50.00000	0.0	0.0	0.0
				526698.00000	185365.00000	50.00000	0.0	0.0	0.0
				526699.00000	185365.00000	50.00000	0.0	0.0	0.0
				526700.00000	185365.00000	50.00000	0.0	0.0	0.0
				526601.00000	185365.00000	50.00000	0.016073	-0.010092	0.0063921
				526602.00000	185365.00000	50.00000	0.12558	-0.089516	0.029239
				526603.00000	185365.00000	50.00000	0.23066	-0.18781	0.051399
				526604.00000	185365.00000	50.00000	0.33012	-0.30921	0.093844
				526605.00000	185365.00000	50.00000	0.42262	-0.45868	0.16789
				526606.00000	185365.00000	50.00000	0.50952	-0.64028	0.27585
				526607.00000	185365.00000	50.00000	0.57657	-0.86481	0.41000
				526608.00000	185365.00000	50.00000	0.63272	-1.1295	0.56013
				526609.00000	185365.00000	50.00000	1.0099	-1.9786	1.065
				526610.00000	185365.00000	50.00000	1.0874	-2.1304	1.3621
				526611.00000	185365.00000	50.00000	1.1649	-2.2823	1.6619
				526612.00000	185365.00000	50.00000	1.2486	-2.4463	1.9574
				526613.00000	185365.00000	50.00000	1.3986	-2.7400	2.2408
				526614.00000	185365.00000	50.00000	1.5497	-3.0362	2.5029
				526615.00000	185365.00000	50.00000	1.7053	-3.3410	2.7334
				526616.00000	185365.00000	50.00000	1.8686	-3.6609	2.9211
				526617.00000	185365.00000	50.00000	2.0427	-4.0021	3.0536
				526618.00000	185365.00000	50.00000	2.2310	-4.3710	3.1171
				526619.00000	185365.00000	50.00000	2.4194	-4.7824	3.1107
				526620.00000	185365.00000	50.00000	2.5137	-5.2893	3.0808
				526621.00000	185365.00000	50.00000	-1.0487	-1.7551	1.2523
				526622.00000	185365.00000	50.00000	-3.9889	-1.8123	2.2846
				526623.00000	185365.00000	50.00000	-3.8067	-1.7342	2.4923
				526624.00000	185365.00000	50.00000	-3.6408	-1.6640	2.4025
				526625.00000	185365.00000	50.00000	-3.4013	-1.5583	2.0859
				526626.00000	185365.00000	50.00000	-3.0935	-1.4196	1.6670
				526627.00000	185365.00000	50.00000	-2.7283	-1.2533	1.2146
				526628.00000	185365.00000	50.00000	-2.3172	-1.0648	0.80282
				526629.00000	185365.00000	50.00000	-1.8697	-0.85886	0.48039
				526630.00000	185365.00000	50.00000	-1.3938	-0.63918	0.2650
				526631.00000	185365.00000	50.00000	-0.89556	-0.40869	0.14006
				526632.00000	185365.00000	50.00000	-0.28667	-0.12716	0.042120
				526633.00000	185365.00000	50.00000	-0.072492	-0.030578	0.015886
				526634.00000	185365.00000	50.00000	0.0	0.0	0.0
				526635.00000	185365.00000	50.00000	0.0	0.0	0.0
				526636.00000	185365.00000	50.00000	0.0	0.0	0.0

Stage: Ref.	Stage: Name	Disp: Grid: Ref.	Disp: Grid: Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526637.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526638.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526639.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526640.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526641.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526642.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526643.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526644.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526645.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526646.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526647.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526648.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526649.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526650.00000	185365.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526550.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526551.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526552.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526553.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526554.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526555.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526556.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526557.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526558.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526559.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526560.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526561.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526562.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526563.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526564.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526565.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526566.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526567.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526568.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526569.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526570.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526571.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526572.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526573.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526574.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526575.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526576.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526577.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526578.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526579.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526580.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526581.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526582.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526583.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526584.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526585.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526586.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526587.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526588.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526589.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526590.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526591.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526592.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526593.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526594.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526595.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526596.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526597.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526598.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526599.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526600.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526601.00000	185366.00000	50.00000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526602.00000	185366.00000	50.00000	0.058929	-0.051213	0.017988				
526603.00000	185366.00000	50.00000	0.15785	-0.15471	0.036947				
526604.00000	185366.00000	50.00000	0.25060	-0.27860	0.062211				
526605.00000	185366.00000	50.00000	0.33570	-0.42601	0.10751				
526606.00000	185366.00000	50.00000	0.41135	-0.59967	0.17775				
526607.00000	185366.00000	50.00000	0.47542	-0.80096	0.27007				
526608.00000	185366.00000	50.00000	0.52559	-1.0282	0.37536				
526609.00000	185366.00000	50.00000	0.85805	-1.6811	0.70365				
526610.00000	185366.00000	50.00000	0.93555	-1.8329	0.86608				
526611.00000	185366.00000	50.00000	1.0131	-1.9848	1.0770				
526612.00000	185366.00000	50.00000	1.0906	-2.1366	1.3743				
526613.00000	185366.00000	50.00000	1.1681	-2.2885	1.6741				
526614.00000	185366.00000	50.00000	1.2548	-2.4583	1.969				
526615.00000	185366.00000	50.00000	1.4047	-2.7520	2.2520				
526616.00000	185366.00000	50.00000	1.5560	-3.0484	2.5130				
526617.00000	185366.00000	50.00000	1.7118	-3.3537	2.7420				
526618.00000	185366.00000	50.00000	1.8754	-3.6743	2.9277				
526619.00000	185366.00000	50.00000	1.9963	-4.0025	3.0822				
526620.00000	185366.00000	50.00000	2.0865	-4.4603	3.1929				
526621.00000	185366.00000	50.00000	-0.12188	-1.9603	1.5590				
526622.00000	185366.00000	50.00000	-1.5610	-1.3635	1.4896				
526623.00000	185366.00000	50.00000	-2.1829	-1.1661	1.5422				
526624.00000	185366.00000	50.00000	-3.3226	-1.5149	2.1175				
526625.00000	185366.00000	50.00000	-3.0684	-1.4022	1.7821				
526626.00000	185366.00000	50.00000	-2.7619	-1.2642	1.3730				
526627.00000	185366.00000	50.00000	-2.4078	-1.1032	0.96520				
526628.00000	185366.00000	50.00000	-2.0127	-0.92245	0.61567				
526629.00000	185366.00000	50.00000	-1.5834	-0.72522	0.35728				
526630.00000	185366.00000	50.00000	-1.1260	-0.51443	0.1938				
526631.00000	185366.00000	50.00000	-0.64550	-0.29253	0.096753				
526632.00000	185366.00000	50.00000	-0.28539	-0.12866	0.046931				
526633.00000	185366.00000	50.00000	0.0	0.0	0.0				
526634.00000	185366.00000	50.00000	0.0	0.0	0.0				
526635.00000	185366.00000	50.00000	0.0	0.0	0.0				
526636.00000	185366.00000	50.00000	0.0	0.0	0.0				
526637.00000	185366.00000	50.00000	0.0	0.0	0.0				
526638.00000	185366.00000	50.00000	0.0	0.0	0.0				
526639.00000	185366.00000	50.00000	0.0	0.0	0.0				
526640.00000	185366.00000	50.00000	0.0	0.0	0.0				
526641.00000	185366.00000	50.00000	0.0	0.0	0.0				

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
				526642.00000	185366.00000	50.00000	0.0	0.0	0.0
				526643.00000	185366.00000	50.00000	0.0	0.0	0.0
				526644.00000	185366.00000	50.00000	0.0	0.0	0.0
				526645.00000	185366.00000	50.00000	0.0	0.0	0.0
				526646.00000	185366.00000	50.00000	0.0	0.0	0.0
				526647.00000	185366.00000	50.00000	0.0	0.0	0.0
				526648.00000	185366.00000	50.00000	0.0	0.0	0.0
				526649.00000	185366.00000	50.00000	0.0	0.0	0.0
				526650.00000	185366.00000	50.00000	0.0	0.0	0.0
				526550.00000	185367.00000	50.00000	0.0	0.0	0.0
				526551.00000	185367.00000	50.00000	0.0	0.0	0.0
				526552.00000	185367.00000	50.00000	0.0	0.0	0.0
				526553.00000	185367.00000	50.00000	0.0	0.0	0.0
				526554.00000	185367.00000	50.00000	0.0	0.0	0.0
				526555.00000	185367.00000	50.00000	0.0	0.0	0.0
				526556.00000	185367.00000	50.00000	0.0	0.0	0.0
				526557.00000	185367.00000	50.00000	0.0	0.0	0.0
				526558.00000	185367.00000	50.00000	0.0	0.0	0.0
				526559.00000	185367.00000	50.00000	0.0	0.0	0.0
				526560.00000	185367.00000	50.00000	0.0	0.0	0.0
				526561.00000	185367.00000	50.00000	0.0	0.0	0.0
				526562.00000	185367.00000	50.00000	0.0	0.0	0.0
				526563.00000	185367.00000	50.00000	0.0	0.0	0.0
				526564.00000	185367.00000	50.00000	0.0	0.0	0.0
				526565.00000	185367.00000	50.00000	0.0	0.0	0.0
				526566.00000	185367.00000	50.00000	0.0	0.0	0.0
				526567.00000	185367.00000	50.00000	0.0	0.0	0.0
				526568.00000	185367.00000	50.00000	0.0	0.0	0.0
				526569.00000	185367.00000	50.00000	0.0	0.0	0.0
				526570.00000	185367.00000	50.00000	0.0	0.0	0.0
				526571.00000	185367.00000	50.00000	0.0	0.0	0.0
				526572.00000	185367.00000	50.00000	0.0	0.0	0.0
				526573.00000	185367.00000	50.00000	0.0	0.0	0.0
				526574.00000	185367.00000	50.00000	0.0	0.0	0.0
				526575.00000	185367.00000	50.00000	0.0	0.0	0.0
				526576.00000	185367.00000	50.00000	0.0	0.0	0.0
				526577.00000	185367.00000	50.00000	0.0	0.0	0.0
				526578.00000	185367.00000	50.00000	0.0	0.0	0.0
				526579.00000	185367.00000	50.00000	0.0	0.0	0.0
				526580.00000	185367.00000	50.00000	0.0	0.0	0.0
				526581.00000	185367.00000	50.00000	0.0	0.0	0.0
				526582.00000	185367.00000	50.00000	0.0	0.0	0.0
				526583.00000	185367.00000	50.00000	0.0	0.0	0.0
				526584.00000	185367.00000	50.00000	0.0	0.0	0.0
				526585.00000	185367.00000	50.00000	0.0	0.0	0.0
				526586.00000	185367.00000	50.00000	0.0	0.0	0.0
				526587.00000	185367.00000	50.00000	0.0	0.0	0.0
				526588.00000	185367.00000	50.00000	0.0	0.0	0.0
				526589.00000	185367.00000	50.00000	0.0	0.0	0.0
				526590.00000	185367.00000	50.00000	0.0	0.0	0.0
				526591.00000	185367.00000	50.00000	0.0	0.0	0.0
				526592.00000	185367.00000	50.00000	0.0	0.0	0.0
				526593.00000	185367.00000	50.00000	0.0	0.0	0.0
				526594.00000	185367.00000	50.00000	0.0	0.0	0.0
				526595.00000	185367.00000	50.00000	0.0	0.0	0.0
				526596.00000	185367.00000	50.00000	0.0	0.0	0.0
				526597.00000	185367.00000	50.00000	0.0	0.0	0.0
				526598.00000	185367.00000	50.00000	0.0	0.0	0.0
				526599.00000	185367.00000	50.00000	0.0	0.0	0.0
				526600.00000	185367.00000	50.00000	0.0	0.0	0.0
				526601.00000	185367.00000	50.00000	0.0	0.0	0.0
				526602.00000	185367.00000	50.00000	0.0	0.0	0.0
				526603.00000	185367.00000	50.00000	0.079306	-0.099679	0.023541
				526604.00000	185367.00000	50.00000	0.16594	-0.21039	0.041142
				526605.00000	185367.00000	50.00000	0.24476	-0.34958	0.065363
				526606.00000	185367.00000	50.00000	0.31422	-0.50788	0.10431
				526607.00000	185367.00000	50.00000	0.37264	-0.68426	0.15870
				526608.00000	185367.00000	50.00000	0.62870	-1.2317	0.32842
				526609.00000	185367.00000	50.00000	0.70620	-1.3836	0.43570
				526610.00000	185367.00000	50.00000	0.78371	-1.5354	0.56336
				526611.00000	185367.00000	50.00000	0.86121	-1.6873	0.70997
				526612.00000	185367.00000	50.00000	0.93872	-1.8391	0.87301
				526613.00000	185367.00000	50.00000	1.0162	-1.9910	1.0891
				526614.00000	185367.00000	50.00000	1.0937	-2.1428	1.3366
				526615.00000	185367.00000	50.00000	1.1712	-2.2947	1.6863
				526616.00000	185367.00000	50.00000	1.2609	-2.4703	1.9811
				526617.00000	185367.00000	50.00000	1.4108	-2.7640	2.2631
				526618.00000	185367.00000	50.00000	1.5549	-3.0641	2.5253
				526619.00000	185367.00000	50.00000	1.6501	-3.3393	2.7742
				526620.00000	185367.00000	50.00000	0.80535	-2.2458	1.8313
				526621.00000	185367.00000	50.00000	-0.036361	-1.7317	1.5319
				526622.00000	185367.00000	50.00000	-0.87385	-1.2872	1.3344
				526623.00000	185367.00000	50.00000	-1.4504	-1.1238	1.3151
				526624.00000	185367.00000	50.00000	-1.7358	-1.0013	1.2201
				526625.00000	185367.00000	50.00000	-1.8190	-0.90622	1.0047
				526626.00000	185367.00000	50.00000	-1.7507	-0.80381	0.76427
				526627.00000	185367.00000	50.00000	-2.1080	-0.96303	0.75938
				526628.00000	185367.00000	50.00000	-1.7222	-0.78678	0.46671
				526629.00000	185367.00000	50.00000	-1.3053	-0.59555	0.26283
				526630.00000	185367.00000	50.00000	-0.86182	-0.39147	0.13784
				526631.00000	185367.00000	50.00000	-0.45654	-0.20582	0.065944
				526632.00000	185367.00000	50.00000	-0.14489	-0.065320	0.029207
				526633.00000	185367.00000	50.00000	0.0	0.0	0.0
				526634.00000	185367.00000	50.00000	0.0	0.0	0.0
				526635.00000	185367.00000	50.00000	0.0	0.0	0.0
				526636.00000	185367.00000	50.00000	0.0	0.0	0.0
				526637.00000	185367.00000	50.00000	0.0	0.0	0.0
				526638.00000	185367.00000	50.00000	0.0	0.0	0.0
				526639.00000	185367.00000	50.00000	0.0	0.0	0.0
				526640.00000	185367.00000	50.00000	0.0	0.0	0.0
				526641.00000	185367.00000	50.00000	0.0	0.0	0.0
				526642.00000	185367.00000	50.00000	0.0	0.0	0.0
				526643.00000	185367.00000	50.00000	0.0	0.0	0.0
				526644.00000	185367.00000	50.00000	0.0	0.0	0.0
				526645.00000	185367.00000	50.00000	0.0	0.0	0.0
				526646.00000	185367.00000	50.00000	0.0	0.0	0.0

Stage: Ref.	Stage: Name	Disp. Ref.	Disp. Grid: Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
				526647.00000	185367.00000	50.00000	0.0	0.0	0.0
				526648.00000	185367.00000	50.00000	0.0	0.0	0.0
				526649.00000	185367.00000	50.00000	0.0	0.0	0.0
				526650.00000	185367.00000	50.00000	0.0	0.0	0.0
				526550.00000	185368.00000	50.00000	0.0	0.0	0.0
				526551.00000	185368.00000	50.00000	0.0	0.0	0.0
				526552.00000	185368.00000	50.00000	0.0	0.0	0.0
				526553.00000	185368.00000	50.00000	0.0	0.0	0.0
				526554.00000	185368.00000	50.00000	0.0	0.0	0.0
				526555.00000	185368.00000	50.00000	0.0	0.0	0.0
				526556.00000	185368.00000	50.00000	0.0	0.0	0.0
				526557.00000	185368.00000	50.00000	0.0	0.0	0.0
				526558.00000	185368.00000	50.00000	0.0	0.0	0.0
				526559.00000	185368.00000	50.00000	0.0	0.0	0.0
				526560.00000	185368.00000	50.00000	0.0	0.0	0.0
				526561.00000	185368.00000	50.00000	0.0	0.0	0.0
				526562.00000	185368.00000	50.00000	0.0	0.0	0.0
				526563.00000	185368.00000	50.00000	0.0	0.0	0.0
				526564.00000	185368.00000	50.00000	0.0	0.0	0.0
				526565.00000	185368.00000	50.00000	0.0	0.0	0.0
				526566.00000	185368.00000	50.00000	0.0	0.0	0.0
				526567.00000	185368.00000	50.00000	0.0	0.0	0.0
				526568.00000	185368.00000	50.00000	0.0	0.0	0.0
				526569.00000	185368.00000	50.00000	0.0	0.0	0.0
				526570.00000	185368.00000	50.00000	0.0	0.0	0.0
				526571.00000	185368.00000	50.00000	0.0	0.0	0.0
				526572.00000	185368.00000	50.00000	0.0	0.0	0.0
				526573.00000	185368.00000	50.00000	0.0	0.0	0.0
				526574.00000	185368.00000	50.00000	0.0	0.0	0.0
				526575.00000	185368.00000	50.00000	0.0	0.0	0.0
				526576.00000	185368.00000	50.00000	0.0	0.0	0.0
				526577.00000	185368.00000	50.00000	0.0	0.0	0.0
				526578.00000	185368.00000	50.00000	0.0	0.0	0.0
				526579.00000	185368.00000	50.00000	0.0	0.0	0.0
				526580.00000	185368.00000	50.00000	0.0	0.0	0.0
				526581.00000	185368.00000	50.00000	0.0	0.0	0.0
				526582.00000	185368.00000	50.00000	0.0	0.0	0.0
				526583.00000	185368.00000	50.00000	0.0	0.0	0.0
				526584.00000	185368.00000	50.00000	0.0	0.0	0.0
				526585.00000	185368.00000	50.00000	0.0	0.0	0.0
				526586.00000	185368.00000	50.00000	0.0	0.0	0.0
				526587.00000	185368.00000	50.00000	0.0	0.0	0.0
				526588.00000	185368.00000	50.00000	0.0	0.0	0.0
				526589.00000	185368.00000	50.00000	0.0	0.0	0.0
				526590.00000	185368.00000	50.00000	0.0	0.0	0.0
				526591.00000	185368.00000	50.00000	0.0	0.0	0.0
				526592.00000	185368.00000	50.00000	0.0	0.0	0.0
				526593.00000	185368.00000	50.00000	0.0	0.0	0.0
				526594.00000	185368.00000	50.00000	0.0	0.0	0.0
				526595.00000	185368.00000	50.00000	0.0	0.0	0.0
				526596.00000	185368.00000	50.00000	0.0	0.0	0.0
				526597.00000	185368.00000	50.00000	0.0	0.0	0.0
				526598.00000	185368.00000	50.00000	0.0	0.0	0.0
				526599.00000	185368.00000	50.00000	0.0	0.0	0.0
				526600.00000	185368.00000	50.00000	0.0	0.0	0.0
				526601.00000	185368.00000	50.00000	0.0	0.0	0.0
				526602.00000	185368.00000	50.00000	0.0	0.0	0.0
				526603.00000	185368.00000	50.00000	0.0	0.0	0.0
				526604.00000	185368.00000	50.00000	0.077322	-0.10875	0.024535
				526605.00000	185368.00000	50.00000	0.15067	-0.23607	0.040519
				526606.00000	185368.00000	50.00000	0.21495	-0.37636	0.059533
				526607.00000	185368.00000	50.00000	0.39935	-0.78239	0.12793
				526608.00000	185368.00000	50.00000	0.47685	-0.93424	0.17741
				526609.00000	185368.00000	50.00000	0.55436	-1.0861	0.24494
				526610.00000	185368.00000	50.00000	0.63186	-1.2379	0.33239
				526611.00000	185368.00000	50.00000	0.70937	-1.3898	0.44052
				526612.00000	185368.00000	50.00000	0.78687	-1.5416	0.56899
				526613.00000	185368.00000	50.00000	0.86438	-1.6935	0.71633
				526614.00000	185368.00000	50.00000	0.94188	-1.8453	0.8799
				526615.00000	185368.00000	50.00000	1.0194	-1.9972	1.1011
				526616.00000	185368.00000	50.00000	1.0969	-2.1490	1.3988
				526617.00000	185368.00000	50.00000	1.1744	-2.3009	1.6984
				526618.00000	185368.00000	50.00000	1.2442	-2.4533	1.9979
				526619.00000	185368.00000	50.00000	1.3491	-2.6088	2.2910
				526620.00000	185368.00000	50.00000	0.49528	-1.7421	1.4811
				526621.00000	185368.00000	50.00000	-0.025124	-1.4585	1.3195
				526622.00000	185368.00000	50.00000	-0.53943	-1.1180	1.0978
				526623.00000	185368.00000	50.00000	-0.98088	-0.70014	0.80520
				526624.00000	185368.00000	50.00000	-1.2265	-0.89606	0.9324
				526625.00000	185368.00000	50.00000	-1.3469	-0.80820	0.76164
				526626.00000	185368.00000	50.00000	-1.3258	-0.70628	0.57019
				526627.00000	185368.00000	50.00000	-1.2019	-0.59032	0.38796
				526628.00000	185368.00000	50.00000	-0.99696	-0.46092	0.23719
				526629.00000	185368.00000	50.00000	-1.0366	-0.47039	0.18288
				526630.00000	185368.00000	50.00000	-0.62770	-0.28299	0.090370
				526631.00000	185368.00000	50.00000	-0.31604	-0.14248	0.050311
				526632.00000	185368.00000	50.00000	-0.0043843	-0.0019766	0.0034897
				526633.00000	185368.00000	50.00000	0.0	0.0	0.0
				526634.00000	185368.00000	50.00000	0.0	0.0	0.0
				526635.00000	185368.00000	50.00000	0.0	0.0	0.0
				526636.00000	185368.00000	50.00000	0.0	0.0	0.0
				526637.00000	185368.00000	50.00000	0.0	0.0	0.0
				526638.00000	185368.00000	50.00000	0.0	0.0	0.0
				526639.00000	185368.00000	50.00000	0.0	0.0	0.0
				526640.00000	185368.00000	50.00000	0.0	0.0	0.0
				526641.00000	185368.00000	50.00000	0.0	0.0	0.0
				526642.00000	185368.00000	50.00000	0.0	0.0	0.0
				526643.00000	185368.00000	50.00000	0.0	0.0	0.0
				526644.00000	185368.00000	50.00000	0.0	0.0	0.0
				526645.00000	185368.00000	50.00000	0.0	0.0	0.0
				526646.00000	185368.00000	50.00000	0.0	0.0	0.0
				526647.00000	185368.00000	50.00000	0.0	0.0	0.0
				526648.00000	185368.00000	50.00000	0.0	0.0	0.0
				526649.00000	185368.00000	50.00000	0.0	0.0	0.0
				526650.00000	185368.00000	50.00000	0.0	0.0	0.0
				526550.00000	185369.00000	50.00000	0.0	0.0	0.0

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x	y	z	δx	δy	δz
				[m]	[m]	[m]	[mm]	[mm]	[mm]
526551		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526552		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526553		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526554		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526555		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526556		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526557		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526558		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526559		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526560		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526561		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526562		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526563		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526564		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526565		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526566		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526567		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526568		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526569		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526570		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526571		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526572		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526573		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526574		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526575		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526576		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526577		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526578		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526579		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526580		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526581		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526582		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526583		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526584		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526585		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526586		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526587		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526588		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526589		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526590		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526591		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526592		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526593		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526594		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526595		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526596		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526597		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526598		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526599		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526600		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526601		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526602		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526603		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526604		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526605		0.0000	185369.00000	50.00000	0.054234	-0.091516	0.020212	0.035017	0.070845
526606		0.0000	185369.00000	50.00000	0.11414	-0.21298	0.035017	0.070845	0.094663
526607		0.0000	185369.00000	50.00000	0.24750	-0.48490	0.12963	0.17980	0.24811
526608		0.0000	185369.00000	50.00000	0.32500	-0.63674	0.094663	0.17980	0.24811
526609		0.0000	185369.00000	50.00000	0.40251	-0.78859	0.12963	0.17980	0.24811
526610		0.0000	185369.00000	50.00000	0.48001	-0.94044	0.17980	0.24811	0.33640
526611		0.0000	185369.00000	50.00000	0.55752	-1.0923	0.24811	0.33640	0.44537
526612		0.0000	185369.00000	50.00000	0.63502	-1.2441	0.33640	0.44537	0.57465
526613		0.0000	185369.00000	50.00000	0.71253	-1.3960	0.44537	0.57465	0.72271
526614		0.0000	185369.00000	50.00000	0.79003	-1.5478	0.57465	0.72271	0.88694
526615		0.0000	185369.00000	50.00000	0.86754	-1.6997	0.72271	0.88694	1.1135
526616		0.0000	185369.00000	50.00000	0.94504	-1.8515	0.88694	1.1135	1.4151
526617		0.0000	185369.00000	50.00000	1.02202	-2.0045	1.1135	1.4151	1.802
526618		0.0000	185369.00000	50.00000	1.0742	-2.1677	1.4151	1.802	2.2978
526619		0.0000	185369.00000	50.00000	0.60250	-1.4557	1.802	2.2978	2.93545
526620		0.0000	185369.00000	50.00000	0.30960	-1.3481	2.2978	2.93545	3.10186
526621		0.0000	185369.00000	50.00000	-0.033480	-1.1771	2.93545	3.10186	3.87037
526622		0.0000	185369.00000	50.00000	-0.36513	-0.97553	3.10186	3.87037	4.77483
526623		0.0000	185369.00000	50.00000	-0.65986	-0.86480	3.87037	4.77483	5.87100
526624		0.0000	185369.00000	50.00000	-0.86150	-0.78556	4.77483	5.87100	7.1008
526625		0.0000	185369.00000	50.00000	-0.96155	-0.69878	5.87100	7.1008	8.4951
526626		0.0000	185369.00000	50.00000	-0.95853	-0.59970	7.1008	8.4951	10.0211
526627		0.0000	185369.00000	50.00000	-0.86411	-0.48713	8.4951	10.0211	11.6968
526628		0.0000	185369.00000	50.00000	-0.69354	-0.36191	10.0211	11.6968	13.5628
526629		0.0000	185369.00000	50.00000	-0.48133	-0.23529	11.6968	13.5628	15.6998
526630		0.0000	185369.00000	50.00000	-0.31024	-0.14304	13.5628	15.6998	18.14951
526631		0.0000	185369.00000	50.00000	-0.17554	-0.079137	15.6998	18.14951	21.03545
526632		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526633		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526634		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526635		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526636		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526637		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526638		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526639		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526640		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526641		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526642		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526643		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526644		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526645		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526646		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526647		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526648		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526649		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526650		0.0000	185369.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526550		0.0000	185370.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526551		0.0000	185370.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526552		0.0000	185370.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526553		0.0000	185370.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526554		0.0000	185370.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526555		0.0000	185370.00000	50.00000	0.0	0.0	0.0	0.0	0.0

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526556	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526557	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526558	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526559	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526560	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526561	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526562	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526563	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526564	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526565	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526566	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526567	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526568	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526569	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526570	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526571	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526572	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526604	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526605	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526606	0.0000	185370	0.0000	50.00000	0.018148	-0.035555	0.010375		
526607	0.0000	185370	0.0000	50.00000	0.095653	-0.18740	0.035717		
526608	0.0000	185370	0.0000	50.00000	0.17316	-0.33925	0.053698		
526609	0.0000	185370	0.0000	50.00000	0.25066	-0.49109	0.071662		
526610	0.0000	185370	0.0000	50.00000	0.32817	-0.64294	0.095841		
526611	0.0000	185370	0.0000	50.00000	0.40567	-0.79479	0.13136		
526612	0.0000	185370	0.0000	50.00000	0.48318	-0.94663	0.18222		
526613	0.0000	185370	0.0000	50.00000	0.56068	-1.0985	0.25131		
526614	0.0000	185370	0.0000	50.00000	0.63819	-1.2503	0.34044		
526615	0.0000	185370	0.0000	50.00000	0.71569	-1.4022	0.45026		
526616	0.0000	185370	0.0000	50.00000	0.79320	-1.5540	0.58034		
526617	0.0000	185370	0.0000	50.00000	0.86542	-1.7084	0.72996		
526618	0.0000	185370	0.0000	50.00000	0.92958	-1.8672	0.89682		
526619	0.0000	185370	0.0000	50.00000	0.95475	-1.2038	0.67626		
526620	0.0000	185370	0.0000	50.00000	0.24659	-1.1287	0.72232		
526621	0.0000	185370	0.0000	50.00000	0.0089835	-1.0079	0.69116		
526622	0.0000	185370	0.0000	50.00000	-0.22174	-0.85999	0.60374		
526623	0.0000	185370	0.0000	50.00000	-0.42201	-0.73517	0.50808		
526624	0.0000	185370	0.0000	50.00000	-0.57543	-0.66423	0.44716		
526625	0.0000	185370	0.0000	50.00000	-0.65066	-0.58070	0.36054		
526626	0.0000	185370	0.0000	50.00000	-0.64701	-0.48546	0.26230		
526627	0.0000	185370	0.0000	50.00000	-0.56593	-0.37697	0.16802		
526628	0.0000	185370	0.0000	50.00000	-0.45749	-0.27594	0.095218		
526629	0.0000	185370	0.0000	50.00000	-0.33928	-0.18733	0.054861		
526630	0.0000	185370	0.0000	50.00000	-0.19054	-0.098048	0.032386		
526631	0.0000	185370	0.0000	50.00000	-0.017132	-0.0083243	0.0055122		
526632	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526633	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526634	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526635	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185370	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526552	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526553	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526554	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526555	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526556	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526557	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526558	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526559	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		
526560	0.0000	185371	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Grid. Ref.	Disp. Grid. Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526561		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526562		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526563		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526564		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526565		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526566		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526567		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526568		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526569		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526570		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526571		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526572		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526573		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526574		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526575		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526576		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526577		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526578		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526579		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526580		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526581		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526582		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526583		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526584		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526585		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526586		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526587		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526588		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526589		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526590		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526591		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526592		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526593		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526594		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526595		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526596		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526597		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526598		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526599		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526600		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526601		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526602		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526603		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526604		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526605		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526606		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526607		0.0000	185371.00000	50.00000			0.0	0.0	0.0
526608		0.0000	185371.00000	50.00000		0.021311	-0.041753	0.011658	
526609		0.0000	185371.00000	50.00000		0.098816	-0.19360	0.036541	
526610		0.0000	185371.00000	50.00000		0.17632	-0.34545	0.054385	
526611		0.0000	185371.00000	50.00000		0.25383	-0.49729	0.072489	
526612		0.0000	185371.00000	50.00000		0.33133	-0.64914	0.097038	
526613		0.0000	185371.00000	50.00000		0.40884	-0.8098	0.13311	
526614		0.0000	185371.00000	50.00000		0.48634	-0.95283	0.18466	
526615		0.0000	185371.00000	50.00000		0.56385	-1.1047	0.25455	
526616		0.0000	185371.00000	50.00000		0.64135	-1.2565	0.34451	
526617		0.0000	185371.00000	50.00000		0.71863	-1.4085	0.45530	
526618		0.0000	185371.00000	50.00000		0.45996	-0.98160	0.37296	
526619		0.0000	185371.00000	50.00000		0.35332	-0.97300	0.42502	
526620		0.0000	185371.00000	50.00000		0.20910	-0.92156	0.44551	
526621		0.0000	185371.00000	50.00000		0.046120	-0.83458	0.43196	
526622		0.0000	185371.00000	50.00000		-0.11216	-0.72355	0.38869	
526623		0.0000	185371.00000	50.00000		-0.24321	-0.60999	0.32464	
526624		0.0000	185371.00000	50.00000		-0.35065	-0.53481	0.27841	
526625		0.0000	185371.00000	50.00000		-0.39937	-0.45645	0.21584	
526626		0.0000	185371.00000	50.00000		-0.40442	-0.37468	0.14990	
526627		0.0000	185371.00000	50.00000		-0.37789	-0.29563	0.096569	
526628		0.0000	185371.00000	50.00000		-0.31057	-0.21359	0.059314	
526629		0.0000	185371.00000	50.00000		-0.20830	-0.12947	0.037118	
526630		0.0000	185371.00000	50.00000		-0.076573	-0.043877	0.017816	
526631		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526632		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526633		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526634		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526635		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526636		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526637		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526638		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526639		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526640		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526641		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526642		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526643		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526644		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526645		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526646		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526647		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526648		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526649		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526650		0.0000	185371.00000	50.00000		0.0	0.0	0.0	
526550		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526551		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526552		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526553		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526554		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526555		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526556		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526557		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526558		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526559		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526560		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526561		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526562		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526563		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526564		0.0000	185372.00000	50.00000		0.0	0.0	0.0	
526565		0.0000	185372.00000	50.00000		0.0	0.0	0.0	

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
				526566.00000	185372.00000	50.00000	0.0	0.0	0.0
				526567.00000	185372.00000	50.00000	0.0	0.0	0.0
				526568.00000	185372.00000	50.00000	0.0	0.0	0.0
				526569.00000	185372.00000	50.00000	0.0	0.0	0.0
				526570.00000	185372.00000	50.00000	0.0	0.0	0.0
				526571.00000	185372.00000	50.00000	0.0	0.0	0.0
				526572.00000	185372.00000	50.00000	0.0	0.0	0.0
				526573.00000	185372.00000	50.00000	0.0	0.0	0.0
				526574.00000	185372.00000	50.00000	0.0	0.0	0.0
				526575.00000	185372.00000	50.00000	0.0	0.0	0.0
				526576.00000	185372.00000	50.00000	0.0	0.0	0.0
				526577.00000	185372.00000	50.00000	0.0	0.0	0.0
				526578.00000	185372.00000	50.00000	0.0	0.0	0.0
				526579.00000	185372.00000	50.00000	0.0	0.0	0.0
				526580.00000	185372.00000	50.00000	0.0	0.0	0.0
				526581.00000	185372.00000	50.00000	0.0	0.0	0.0
				526582.00000	185372.00000	50.00000	0.0	0.0	0.0
				526583.00000	185372.00000	50.00000	0.0	0.0	0.0
				526584.00000	185372.00000	50.00000	0.0	0.0	0.0
				526585.00000	185372.00000	50.00000	0.0	0.0	0.0
				526586.00000	185372.00000	50.00000	0.0	0.0	0.0
				526587.00000	185372.00000	50.00000	0.0	0.0	0.0
				526588.00000	185372.00000	50.00000	0.0	0.0	0.0
				526589.00000	185372.00000	50.00000	0.0	0.0	0.0
				526590.00000	185372.00000	50.00000	0.0	0.0	0.0
				526591.00000	185372.00000	50.00000	0.0	0.0	0.0
				526592.00000	185372.00000	50.00000	0.0	0.0	0.0
				526593.00000	185372.00000	50.00000	0.0	0.0	0.0
				526594.00000	185372.00000	50.00000	0.0	0.0	0.0
				526595.00000	185372.00000	50.00000	0.0	0.0	0.0
				526596.00000	185372.00000	50.00000	0.0	0.0	0.0
				526597.00000	185372.00000	50.00000	0.0	0.0	0.0
				526598.00000	185372.00000	50.00000	0.0	0.0	0.0
				526599.00000	185372.00000	50.00000	0.0	0.0	0.0
				526600.00000	185372.00000	50.00000	0.0	0.0	0.0
				526601.00000	185372.00000	50.00000	0.0	0.0	0.0
				526602.00000	185372.00000	50.00000	0.0	0.0	0.0
				526603.00000	185372.00000	50.00000	0.0	0.0	0.0
				526604.00000	185372.00000	50.00000	0.0	0.0	0.0
				526605.00000	185372.00000	50.00000	0.0	0.0	0.0
				526606.00000	185372.00000	50.00000	0.0	0.0	0.0
				526607.00000	185372.00000	50.00000	0.0	0.0	0.0
				526608.00000	185372.00000	50.00000	0.0	0.0	0.0
				526609.00000	185372.00000	50.00000	0.0	0.0	0.0
				526610.00000	185372.00000	50.00000	0.024475	-0.047951	0.012915
				526611.00000	185372.00000	50.00000	0.10198	-0.19980	0.037354
				526612.00000	185372.00000	50.00000	0.17948	-0.35164	0.055073
				526613.00000	185372.00000	50.00000	0.25699	-0.50349	0.073326
				526614.00000	185372.00000	50.00000	0.33449	-0.65534	0.098254
				526615.00000	185372.00000	50.00000	0.41200	-0.80718	0.13489
				526616.00000	185372.00000	50.00000	0.48950	-0.95903	0.18714
				526617.00000	185372.00000	50.00000	0.56701	-1.1109	0.25782
				526618.00000	185372.00000	50.00000	0.63763	-0.76090	0.21240
				526619.00000	185372.00000	50.00000	0.27069	-0.76081	0.24566
				526620.00000	185372.00000	50.00000	0.17815	-0.72609	0.26037
				526621.00000	185372.00000	50.00000	0.071560	-0.66295	0.25383
				526622.00000	185372.00000	50.00000	-0.035159	-0.58008	0.22812
				526623.00000	185372.00000	50.00000	-0.12852	-0.48695	0.18899
				526624.00000	185372.00000	50.00000	-0.20710	-0.41797	0.15321
				526625.00000	185372.00000	50.00000	-0.25698	-0.35796	0.11771
				526626.00000	185372.00000	50.00000	-0.26877	-0.29087	0.083078
				526627.00000	185372.00000	50.00000	-0.24299	-0.21849	0.055701
				526628.00000	185372.00000	50.00000	-0.18228	-0.14217	0.037260
				526629.00000	185372.00000	50.00000	-0.090272	-0.062915	0.021661
				526630.00000	185372.00000	50.00000	0.0	0.0	0.0
				526631.00000	185372.00000	50.00000	0.0	0.0	0.0
				526632.00000	185372.00000	50.00000	0.0	0.0	0.0
				526633.00000	185372.00000	50.00000	0.0	0.0	0.0
				526634.00000	185372.00000	50.00000	0.0	0.0	0.0
				526635.00000	185372.00000	50.00000	0.0	0.0	0.0
				526636.00000	185372.00000	50.00000	0.0	0.0	0.0
				526637.00000	185372.00000	50.00000	0.0	0.0	0.0
				526638.00000	185372.00000	50.00000	0.0	0.0	0.0
				526639.00000	185372.00000	50.00000	0.0	0.0	0.0
				526640.00000	185372.00000	50.00000	0.0	0.0	0.0
				526641.00000	185372.00000	50.00000	0.0	0.0	0.0
				526642.00000	185372.00000	50.00000	0.0	0.0	0.0
				526643.00000	185372.00000	50.00000	0.0	0.0	0.0
				526644.00000	185372.00000	50.00000	0.0	0.0	0.0
				526645.00000	185372.00000	50.00000	0.0	0.0	0.0
				526646.00000	185372.00000	50.00000	0.0	0.0	0.0
				526647.00000	185372.00000	50.00000	0.0	0.0	0.0
				526648.00000	185372.00000	50.00000	0.0	0.0	0.0
				526649.00000	185372.00000	50.00000	0.0	0.0	0.0
				526650.00000	185372.00000	50.00000	0.0	0.0	0.0
				526650.00000	185373.00000	50.00000	0.0	0.0	0.0
				526651.00000	185373.00000	50.00000	0.0	0.0	0.0
				526652.00000	185373.00000	50.00000	0.0	0.0	0.0
				526653.00000	185373.00000	50.00000	0.0	0.0	0.0
				526654.00000	185373.00000	50.00000	0.0	0.0	0.0
				526655.00000	185373.00000	50.00000	0.0	0.0	0.0
				526656.00000	185373.00000	50.00000	0.0	0.0	0.0
				526657.00000	185373.00000	50.00000	0.0	0.0	0.0
				526658.00000	185373.00000	50.00000	0.0	0.0	0.0
				526659.00000	185373.00000	50.00000	0.0	0.0	0.0
				526660.00000	185373.00000	50.00000	0.0	0.0	0.0
				526661.00000	185373.00000	50.00000	0.0	0.0	0.0
				526662.00000	185373.00000	50.00000	0.0	0.0	0.0
				526663.00000	185373.00000	50.00000	0.0	0.0	0.0
				526664.00000	185373.00000	50.00000	0.0	0.0	0.0
				526665.00000	185373.00000	50.00000	0.0	0.0	0.0
				526666.00000	185373.00000	50.00000	0.0	0.0	0.0
				526667.00000	185373.00000	50.00000	0.0	0.0	0.0
				526668.00000	185373.00000	50.00000	0.0	0.0	0.0
				526669.00000	185373.00000	50.00000	0.0	0.0	0.0
				526670.00000	185373.00000	50.00000	0.0	0.0	0.0

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526571	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526572	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526573	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526574	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526575	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526576	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526604	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526605	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526606	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526607	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526608	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526609	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526610	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526611	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526612	0.00000	185373	0.00000	50.00000	0.027638	-0.054148	0.014147		
526613	0.00000	185373	0.00000	50.00000	0.10514	-0.20599	0.038156		
526614	0.00000	185373	0.00000	50.00000	0.18265	-0.35784	0.055763		
526615	0.00000	185373	0.00000	50.00000	0.26015	-0.50969	0.074175		
526616	0.00000	185373	0.00000	50.00000	0.33766	-0.66153	0.099490		
526617	0.00000	185373	0.00000	50.00000	0.24810	-0.51291	0.086936		
526618	0.00000	185373	0.00000	50.00000	0.23126	-0.55529	0.10953		
526619	0.00000	185373	0.00000	50.00000	0.18926	-0.56657	0.12756		
526620	0.00000	185373	0.00000	50.00000	0.12823	-0.54933	0.13645		
526621	0.00000	185373	0.00000	50.00000	0.056706	-0.50820	0.13395		
526622	0.00000	185373	0.00000	50.00000	-0.015425	-0.44937	0.12081		
526623	0.00000	185373	0.00000	50.00000	-0.078503	-0.37959	0.1002		
526624	0.00000	185373	0.00000	50.00000	-0.12714	-0.31266	0.078680		
526625	0.00000	185373	0.00000	50.00000	-0.15805	-0.25999	0.061336		
526626	0.00000	185373	0.00000	50.00000	-0.15942	-0.19985	0.045610		
526627	0.00000	185373	0.00000	50.00000	-0.13034	-0.13380	0.033080		
526628	0.00000	185373	0.00000	50.00000	-0.071736	-0.063116	0.020360		
526629	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526630	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526631	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526632	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526633	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526634	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526635	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526636	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526637	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526638	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526639	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526640	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526641	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526642	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526643	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526644	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526645	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526646	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526647	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526648	0.00000	185373	0.00000	50.00000	0.0	0.0	0.0		
526649	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526650	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526550	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526551	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526552	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526553	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526554	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526555	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526556	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526557	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526558	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526559	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526560	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526561	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526562	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526563	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526564	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526565	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526566	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526567	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526568	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526569	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526570	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526571	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526572	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526573	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526574	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526575	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526576	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526577	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526578	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526579	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526580	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526581	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526604	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526605	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526606	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526607	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526608	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526609	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526610	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526611	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526612	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526613	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0	0.0	0.0
526614	0.00000	185374	0.00000	50.00000	0.030802	-0.060346	0.015355		
526615	0.00000	185374	0.00000	50.00000	0.10831	-0.21219	0.038947		
526616	0.00000	185374	0.00000	50.00000	0.18581	-0.36404	0.056453		
526617	0.00000	185374	0.00000	50.00000	0.14251	-0.31114	0.046329		
526618	0.00000	185374	0.00000	50.00000	0.14106	-0.35846	0.05548		
526619	0.00000	185374	0.00000	50.00000	0.11997	-0.37943	0.062951		
526620	0.00000	185374	0.00000	50.00000	0.084230	-0.37625	0.066761		
526621	0.00000	185374	0.00000	50.00000	0.040332	-0.35246	0.065680		
526622	0.00000	185374	0.00000	50.00000	-0.0044276	-0.31264	0.059883		
526623	0.00000	185374	0.00000	50.00000	-0.042862	-0.26180	0.050851		
526624	0.00000	185374	0.00000	50.00000	-0.068770	-0.20479	0.040690		
526625	0.00000	185374	0.00000	50.00000	-0.081497	-0.15710	0.033389		
526626	0.00000	185374	0.00000	50.00000	-0.071559	-0.10316	0.025670		
526627	0.00000	185374	0.00000	50.00000	-0.036888	-0.042957	0.014453		
526628	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526629	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526630	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526631	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526632	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526633	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526634	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526635	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526636	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526637	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526638	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526639	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526640	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526641	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526642	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526643	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526644	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526645	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526646	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526647	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526648	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526649	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526650	0.00000	185374	0.00000	50.00000	0.0	0.0	0.0		
526550	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526551	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526552	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526553	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526554	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526555	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526556	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526557	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526558	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526559	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526560	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526561	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526562	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526563	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526564	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526565	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526566	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526567	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526568	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526569	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526570	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526571	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526572	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526573	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526574	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526575	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526576	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526577	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526578	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526579	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		
526580	0.00000	185375	0.00000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
526581	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526582	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526583	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526584	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526585	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526586	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526587	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526588	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526589	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526590	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526591	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526592	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526593	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526594	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526595	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526596	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526597	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526598	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526599	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526600	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526601	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526602	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526603	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526604	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526605	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526606	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526607	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526608	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526609	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526610	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526611	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526612	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526613	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526614	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526615	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0	0.0	0.0
526616	0.0000	185375	0.0000	50.00000	0.019803	-0.040575	0.010283		
526617	0.0000	185375	0.0000	50.00000	0.030625	-0.11619	0.022693		
526618	0.0000	185375	0.0000	50.00000	-0.062898	-0.16820	0.029484		
526619	0.0000	185375	0.0000	50.00000	0.059484	-0.19745	0.033318		
526620	0.0000	185375	0.0000	50.00000	0.044460	-0.20579	0.034904		
526621	0.0000	185375	0.0000	50.00000	0.022878	-0.19601	0.034316		
526622	0.0000	185375	0.0000	50.00000	307.01E-6	-0.17160	0.031719		
526623	0.0000	185375	0.0000	50.00000	-0.017745	-0.13640	0.021481		
526624	0.0000	185375	0.0000	50.00000	-0.026385	-0.094197	0.021804		
526625	0.0000	185375	0.0000	50.00000	-0.022456	-0.050428	0.014598		
526626	0.0000	185375	0.0000	50.00000	-0.0012009	-0.0019786	0.0019523		
526627	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526628	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526629	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526630	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526631	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526632	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526633	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526634	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526635	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526636	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526637	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526638	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526639	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526640	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526641	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526642	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526643	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526644	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526645	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526646	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526647	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526648	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526649	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526650	0.0000	185375	0.0000	50.00000	0.0	0.0	0.0		
526550	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526551	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526552	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526553	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526554	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526555	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526556	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526557	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526558	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526559	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526560	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526561	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526562	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526563	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526564	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526565	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526566	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526567	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526568	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526569	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526570	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526571	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526572	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526573	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526574	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526575	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526576	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526577	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526578	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526579	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526580	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526581	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526582	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526583	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526584	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		
526585	0.0000	185376	0.0000	50.00000	0.0	0.0	0.0		

Stage Ref.	Stage Name	Disp. Grid Ref.	Disp. Grid Name	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δz [mm]
				526600.00000	185400.00000	50.00000	0.0	0.0	0.0
				526601.00000	185400.00000	50.00000	0.0	0.0	0.0
				526602.00000	185400.00000	50.00000	0.0	0.0	0.0
				526603.00000	185400.00000	50.00000	0.0	0.0	0.0
				526604.00000	185400.00000	50.00000	0.0	0.0	0.0
				526605.00000	185400.00000	50.00000	0.0	0.0	0.0
				526606.00000	185400.00000	50.00000	0.0	0.0	0.0
				526607.00000	185400.00000	50.00000	0.0	0.0	0.0
				526608.00000	185400.00000	50.00000	0.0	0.0	0.0
				526609.00000	185400.00000	50.00000	0.0	0.0	0.0
				526610.00000	185400.00000	50.00000	0.0	0.0	0.0
				526611.00000	185400.00000	50.00000	0.0	0.0	0.0
				526612.00000	185400.00000	50.00000	0.0	0.0	0.0
				526613.00000	185400.00000	50.00000	0.0	0.0	0.0
				526614.00000	185400.00000	50.00000	0.0	0.0	0.0
				526615.00000	185400.00000	50.00000	0.0	0.0	0.0
				526616.00000	185400.00000	50.00000	0.0	0.0	0.0
				526617.00000	185400.00000	50.00000	0.0	0.0	0.0
				526618.00000	185400.00000	50.00000	0.0	0.0	0.0
				526619.00000	185400.00000	50.00000	0.0	0.0	0.0
				526620.00000	185400.00000	50.00000	0.0	0.0	0.0
				526621.00000	185400.00000	50.00000	0.0	0.0	0.0
				526622.00000	185400.00000	50.00000	0.0	0.0	0.0
				526623.00000	185400.00000	50.00000	0.0	0.0	0.0
				526624.00000	185400.00000	50.00000	0.0	0.0	0.0
				526625.00000	185400.00000	50.00000	0.0	0.0	0.0
				526626.00000	185400.00000	50.00000	0.0	0.0	0.0
				526627.00000	185400.00000	50.00000	0.0	0.0	0.0
				526628.00000	185400.00000	50.00000	0.0	0.0	0.0
				526629.00000	185400.00000	50.00000	0.0	0.0	0.0
				526630.00000	185400.00000	50.00000	0.0	0.0	0.0
				526631.00000	185400.00000	50.00000	0.0	0.0	0.0
				526632.00000	185400.00000	50.00000	0.0	0.0	0.0
				526633.00000	185400.00000	50.00000	0.0	0.0	0.0
				526634.00000	185400.00000	50.00000	0.0	0.0	0.0
				526635.00000	185400.00000	50.00000	0.0	0.0	0.0
				526636.00000	185400.00000	50.00000	0.0	0.0	0.0
				526637.00000	185400.00000	50.00000	0.0	0.0	0.0
				526638.00000	185400.00000	50.00000	0.0	0.0	0.0
				526639.00000	185400.00000	50.00000	0.0	0.0	0.0
				526640.00000	185400.00000	50.00000	0.0	0.0	0.0
				526641.00000	185400.00000	50.00000	0.0	0.0	0.0
				526642.00000	185400.00000	50.00000	0.0	0.0	0.0
				526643.00000	185400.00000	50.00000	0.0	0.0	0.0
				526644.00000	185400.00000	50.00000	0.0	0.0	0.0
				526645.00000	185400.00000	50.00000	0.0	0.0	0.0
				526646.00000	185400.00000	50.00000	0.0	0.0	0.0
				526647.00000	185400.00000	50.00000	0.0	0.0	0.0
				526648.00000	185400.00000	50.00000	0.0	0.0	0.0
				526649.00000	185400.00000	50.00000	0.0	0.0	0.0
				526650.00000	185400.00000	50.00000	0.0	0.0	0.0

Specific Building Damage Results - Horizontal Displacements

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist.	x [m]	y [m]	z [m]	δx [mm]	δy [mm]	δR// [mm]	δH perp. [mm]
0	Base Model	1	No. 13	No. 13 Front Wall	0.0	526630.05000	185344.40000	50.00000	0.0	0.0	0.0	0.0
					1.5289	526629.36875	185345.76875	50.00000	0.0	0.0	0.0	0.0
					3.0578	526628.68750	185347.13750	50.00000	-0.094152	0.17441	0.19809	0.0065753
					4.5867	526628.00625	185348.50625	50.00000	-0.25999	0.47240	0.53876	0.022265
					6.1157	526627.32500	185349.87500	50.00000	-0.42699	0.75485	0.86603	0.045917
					7.6446	526626.64375	185351.24375	50.00000	-0.78847	1.3363	1.6014	0.083702
					9.1735	526625.96250	185352.61250	50.00000	-1.2173	2.1120	2.4331	0.14867
					10.702	526625.28125	185353.98125	50.00000	-1.7808	2.8713	3.3640	0.31490
					12.231	526624.60000	185355.35000	50.00000	-2.4551	3.1267	3.8931	0.80473
					0.0	526624.60000	185355.35000	50.00000	-2.4551	3.1267	0.82140	-3.8896
					1.6164	526623.14987	185354.63598	50.00000	-2.1084	4.4919	-0.092670	-4.9613
					3.2328	526621.69974	185353.92196	50.00000	-2.0961	4.4657	-0.092129	-4.8323
					4.8492	526620.24961	185353.20794	50.00000	-2.0839	4.4397	-0.091592	-4.9036
					6.4655	526618.79948	185352.49392	50.00000	-2.0718	4.4138	-0.091058	-4.8750
					8.0819	526617.34935	185351.77990	50.00000	-2.0597	4.3881	-0.090527	-4.8466
					9.6983	526615.89922	185351.06588	50.00000	-2.0477	4.3625	-0.090000	-4.8183
					11.315	526614.44909	185350.35186	50.00000	-1.9106	4.3385	-0.22894	-4.7901
					12.931	526612.99896	185349.63784	50.00000	0.31819	1.9134	-1.1307	-1.5760
					14.547	526611.54883	185348.92382	50.00000	1.1818	1.2594	-1.6166	-0.60784
					16.164	526610.09870	185348.20980	50.00000	1.2141	0.92707	-1.4988	-0.29539
					0.0	526610.09870	185348.20980	50.00000	1.2141	0.92707	-0.29629	1.4986
					1.4285	526608.64857	185347.49454	50.00000	0.64604	0.82569	-0.45541	0.94379
					2.8570	526611.35922	185345.64588	50.00000	0.26230	0.70900	-0.52054	0.54820
					4.2855	526611.98948	185344.36392	50.00000	0.050304	0.60853	-0.52391	0.31363
					5.7141	526612.61974	185343.08196	50.00000	-0.020031	0.47141	-0.43189	0.19001
					7.1426	526613.25000	185341.80000	50.00000	-0.035697	0.28755	-0.27380	0.094831
					0.0	526608.64857	185347.49454	50.00000	0.0	0.0	0.0	0.0
					1.1243	526608.70500	185374.70500	50.00000	0.0	0.0	0.0	0.0
					2.2486	526608.96000	185373.61000	50.00000	0.0	0.0	0.0	0.0
					3.3729	526609.21500	185372.51500	50.00000	0.0	0.0	0.0	0.0
					4.4972	526609.47000	185371.42000	50.00000	0.071468	-0.14002	0.15258	0.037848
					5.6215	526609.72500	185370.32500	50.00000	0.25750	-0.50450	0.54975	0.13637
					6.7458	526609.98000	185369.23000	50.00000	0.44354	-0.86897	0.94693	0.23489
					7.8701	526610.23500	185368.13500	50.00000	0.62957	-1.2335	1.3441	0.33341
					8.9944	526610.49000	185367.04000	50.00000	0.81561	-1.5979	1.7413	0.43193
					10.119	526610.74500	185365.94500	50.00000	1.0016	-1.9624	2.1384	0.53045
					11.243	526611.00000	185364.85000	50.00000	1.1877	-2.3269	2.5356	0.62997
					0.0	526611.00000	185364.85000	50.00000	1.1877	-2.3269	-0.50024	2.5641
					1.4939	526609.56400	185364.43820	50.00000	1.1389	-2.2313	-0.47970	2.4588
					2.9878	526608.12800	185364.02640	50.00000	0.74334	-1.2002	-0.38368	1.3587
					4.4816	526606.69200	185363.61460	50.00000	0.70557	-0.74702	-0.47231	0.91257
					5.9755	526605.25600	185363.20280	50.00000	0.62835	-0.40881	-0.49104	0.56715
					7.4694	526603.82000	185362.79100	50.00000	0.45849	-0.19608	-0.43224	0.32507
					8.9633	526602.38400	185362.37920	50.00000	0.32228	-0.084787	-0.28642	0.17034
					10.457	526600.94800	185361.96740	50.00000	0.15745	-0.023538	-0.14486	0.066028

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Dist.	x	y	z	δx	δy	δz	δPerp.
						[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
						11.951	526599.51200	185361.55560	50.00000	0.0	0.0	0.0
						13.445	526598.07600	185361.14380	50.00000	0.0	0.0	0.0
						14.939	526596.64000	185360.73200	50.00000	0.0	0.0	0.0
6		No. 17		No. 17 Minor Rear Wall		0.0	526606.40000	185360.90000	50.00000	1.0615	-0.10701	-0.39994
						1.2500	526606.05000	185362.10000	50.00000	0.82593	-0.36607	-0.58269
						2.5000	526605.70000	185363.30000	50.00000	0.66167	-0.49675	-0.66215
7		No. 17		No. 17 Minor Side Wall		0.0	526611.71730	185362.40070	50.00000	2.0086	-1.9353	-0.85361
						2.7696	526609.05365	185361.64190	50.00000	1.1746	-1.4206	-0.74044
						5.5392	526606.39000	185360.88310	50.00000	1.0652	-0.10124	-0.99669
8		No. 17		N0. 17 Minor Front Wall		0.0	526611.00000	185364.85000	50.00000	1.1877	-2.3269	2.5636
						1.2740	526611.35000	185363.62500	50.00000	1.5564	-3.0493	3.3596
						2.5480	526611.70000	185362.40000	50.00000	2.0058	-1.9027	0.65883
9		No. 17-19 Garage Side		No. 17-19 Garage Side 1		0.0	526621.65090	185366.10390	50.00000	-1.0665	-1.4660	1.6186
						2.8080	526619.15335	185364.82060	50.00000	2.5214	-5.0053	0.044881
						5.6159	526616.65580	185363.53730	50.00000	2.5520	-4.9998	0.015151
10		No. 17-19 Garage Front		No. 17-19 Garage Front		0.0	526619.78680	185369.88570	50.00000	0.30222	-1.1742	1.1868
						2.1081	526620.71885	185367.99480	50.00000	0.12760	-1.5516	-0.24805
						4.2163	526621.65090	185366.10390	50.00000	-1.0665	-1.4660	0.84335
11		No. 17-19 Garage Rear		No. 17-19 Garage Side 2		0.0	526619.78700	185369.88600	50.00000	0.30216	-1.1741	0.22983
						2.8391	526617.22150	185368.67000	50.00000	1.0855	-2.1372	-0.065547
						5.6782	526614.65600	185367.45400	50.00000	1.0756	-2.1074	-0.069392
12		No. 17-19 Garage Rear		No. 17-19 Garage Rear		0.0	526616.65580	185365.49555	50.00000	2.5520	-4.9998	-5.6134
						2.1988	526615.65580	185365.49555	50.00000	1.6556	-3.2436	-3.6417
						4.3976	526614.65580	185367.45380	50.00000	1.0756	-2.1074	-2.3660

Specific Building Damage Results - Vertical Displacements

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset	Dist.	x	y	z	δz
						[m]	[m]	[m]	[m]	[mm]
0	Base Model	1	No. 13	No. 13 Front Wall	0.0	0.0	526630.05000	185344.40000	50.00000	0.0
						1.5289	526629.76875	185345.50000	50.00000	0.0
						3.0578	526628.68750	185347.13750	50.00000	0.030960
						4.5867	526628.00625	185348.50625	50.00000	0.084638
						6.1157	526627.32500	185349.87500	50.00000	0.24027
						7.6446	526626.64375	185351.24375	50.00000	0.58875
						9.1735	526625.96250	185352.61250	50.00000	1.2306
						10.702	526625.28125	185353.98125	50.00000	2.0192
						12.231	526624.60000	185355.35000	50.00000	2.6483
2		No. 13		No. 13 Side Wall	0.0	0.0	526624.60000	185355.35000	50.00000	2.6483
						1.6164	526623.14987	185354.63598	50.00000	3.1195
						3.2328	526621.69974	185353.92196	50.00000	3.1184
						4.8492	526610.24961	185353.20794	50.00000	1.1169
						6.4655	526618.79948	185352.49392	50.00000	3.1151
						8.0819	526617.34935	185351.77990	50.00000	3.1129
						9.6983	526615.89922	185351.06588	50.00000	3.1103
						11.315	526614.44909	185350.35186	50.00000	3.1080
						12.933	526612.99896	185349.63784	50.00000	1.7573
						14.547	526611.54883	185348.92382	50.00000	1.4974
						16.164	526610.09870	185348.20980	50.00000	1.0433
3		No. 13		No. 13 Rear Wall	0.0	0.0	526610.09870	185348.20980	50.00000	1.0433
						1.4285	526610.72896	185346.92784	50.00000	0.67810
						2.8570	526611.35922	185345.64588	50.00000	0.40422
						4.2855	526611.98948	185344.36392	50.00000	0.23441
						5.7141	526612.61974	185343.08196	50.00000	0.11078
						7.1426	526613.25000	185341.80000	50.00000	0.047445
4		No. 17		No. 17 Front Wall	0.0	0.0	526608.45000	185375.80000	50.00000	0.0
						1.1243	526608.79500	185375.00000	50.00000	0.0
						2.2486	526608.96000	185373.61000	50.00000	0.0
						3.3729	526609.21500	185372.51500	50.00000	0.0
						4.4972	526609.47000	185371.42000	50.00000	0.028974
						5.6215	526609.72500	185370.32500	50.00000	0.073463
						6.7458	526609.98000	185369.23000	50.00000	0.15408
						7.8701	526610.23500	185368.13500	50.00000	0.32951
						8.9944	526610.49000	185367.04000	50.00000	0.62154
						10.119	526610.74500	185365.94500	50.00000	1.0338
						11.243	526611.00000	185364.85000	50.00000	1.7495
5		No. 17		No. 17 Side Wall	0.0	0.0	526611.00000	185364.85000	50.00000	1.7495
						1.4939	526609.56400	185364.43820	50.00000	1.5615
						2.9878	526608.12800	185364.02640	50.00000	0.84749
						4.4816	526606.69200	185363.61460	50.00000	0.55156
						5.9755	526605.25600	185363.20280	50.00000	0.33698
						7.4694	526603.82000	185362.79100	50.00000	0.16900
						8.9633	526602.38400	185362.37920	50.00000	0.069789
						10.457	526600.94800	185361.96740	50.00000	0.030240
						11.951	526599.51200	185361.55560	50.00000	0.0
						13.445	526598.07600	185361.14380	50.00000	0.0
						14.939	526596.64000	185360.73200	50.00000	0.0
6		No. 17		No. 17 Minor Rear Wall	0.0	0.0	526606.40000	185360.90000	50.00000	0.78556
						1.2500	526606.05000	185362.10000	50.00000	0.57529
						2.5000	526605.70000	185363.30000	50.00000	0.40288
7		No. 17		No. 17 Minor Side Wall	0.0	0.0	526611.71730	185362.40070	50.00000	3.0332
						2.7696	526609.05365	185361.64190	50.00000	1.5514
						5.5392	526606.39000	185360.88310	50.00000	0.78830
8		No. 17		N0. 17 Minor Front Wall	0.0	0.0	526611.00000	185364.85000	50.00000	1.7495
						1.2740	526611.35000	185363.62500	50.00000	2.5137
						2.5480	526611.70000	185362.40000	50.00000	3.0314
9		No. 17-19 Garage Side		No. 17-19 Garage Side 1	0.0	0.0	526621.65090	185366.10390	50.00000	1.4385
						2.8080	526619.15335	185364.82060	50.00000	3.0683
						5.6159	526616.65580	185363.53730	50.00000	3.0484
10		No. 17-19 Garage Front		No. 17-19 Garage Front	0.0	0.0	526619.78680	185369.88570	50.00000	0.76236
						2.1081	526620.71885	185367.99480	50.00000	1.3765
						4.2163	526621.65090	185366.10390	50.00000	1.4385
11		No. 17-19 Garage Rear		No. 17-19 Garage Side 2	0.0	0.0	526619.78700	185369.88600	50.00000	0.76225
						2.8391	526617.22150	185368.67000	50.00000	1.3722
						5.6782	526614.65600	185367.45400	50.00000	1.3167
12		No. 17-19 Garage Rear		No. 17-19 Garage Rear	0.0	0.0	526616.65580	185365.49555	50.00000	3.0484
						2.1988	526615.65580	185365.49555	50.00000	2.6649
						4.3976	526614.65580	185367.45380	50.00000	1.3167

Specific Building Damage Results - Detail

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]	Segment	Start [m]	Length [m]	Curvature [1/m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve [1/m]	Max Gradient of Vertical Displacement Curve [1/m]	Min Radius of Curvature [m]	Damage Category
0	Base Model	1	No. 13	No. 13 Front Wall	0.0		6.1157	3.9191	None		1	6.1157	3.9191	None	0.0053640	0.053366	0.055890	-608.45E-6	-515.46E-6	10131.1	1 (Very Slight)
		2	No. 13	No. 13 Side Wall	0.0		10.035	2.1962	None		2	10.035	2.1962	None	0.0021957	0.042596	0.043184	-608.45E-6	-515.46E-6	9925.8	0 (Negligible)
		3	No. 13	No. 13 Front Wall	0.0		6.5042	1.6456	None		3	6.5042	1.6456	None	0.0054328	-0.014029	0.0042199	565.82E-6	-291.67E-6	4422.8	0 (Negligible)
		4	No. 13	No. 13 Side Wall	0.0		8.1498	4.3442	None		4	8.1498	4.3442	None	0.017576	-0.018331	0.012956	558.19E-6	873.24E-6	6056.7	0 (Negligible)
		5	No. 17	No. 17 Side Wall	0.0		12.494	2.3954	None		5	12.494	2.3954	None	0.010278	-0.029423	0.0086104	558.19E-6	873.24E-6	16354.0	0 (Negligible)
		6	No. 17	No. 17 Rear Wall	0.0		14.889	1.2736	None		6	14.889	1.2736	None	0.0	0.0072897	0.0072897	-72.892E-6	280.87E-6	4925.2	0 (Negligible)
		7	No. 17	No. 17 Minor Side Wall	0.0		0.0	5.7141	None		7	0.0	5.7141	None	0.0030109	-0.0023731	0.0022436	111.40E-6	255.70E-6	21598.0	0 (Negligible)
		8	No. 17	No. 17 Front Wall	0.0		6.7458	4.4962	None		8	6.7458	4.4962	None	0.0073336	0.035326	0.040149	-353.14E-6	-636.32E-6	3621.6	0 (Negligible)
		9	No. 17	No. 17 Side Wall	0.0		0.0	2.6107	None		9	0.0	2.6107	None	0.0085453	0.0035364	0.010077	-64.271E-6	477.90E-6	2929.5	0 (Negligible)
		10	No. 17-19 Garage Front	No. 17-19 Garage Front	0.0		0.0	4.2160	None		10	0.0	4.2160	None	0.0023920	-294.79E-6	0.0027089	-90.907E-6	477.90E-6	14250.0	0 (Negligible)
		11	No. 17-19 Garage Rear	No. 17-19 Garage Side 2	0.0		0.0	2.5000	None		11	0.0	2.5000	None	0.00947E-6	-0.010488	0.0021435	146.22E-6	170.64E-6	38213.0	0 (Negligible)
		12	No. 17-19 Garage Rear	No. 17-19 Garage Rear	0.0		0.0	5.5390	None		12	0.0	5.5390	None	0.0064225	-0.0025826	0.0057434	92.528E-6	535.03E-6	10672.0	0 (Negligible)
					0.0		0.0	2.5480	None			0.0	2.5480	None	0.0047879	0.069304	0.072823	-760.76E-6	-599.49E-6	6589.9	1 (Very Slight)
					0.0		0.0	5.6150	None			0.0	5.6150	None	0.014549	-0.028557	0.0082496	560.77E-6	-580.75E-6	4774.6	0 (Negligible)
					0.0		0.0	4.2160	None			0.0	4.2160	None	0.0064820	-0.0081447	0.0037659	287.04E-6	-291.27E-6	8049.6	0 (Negligible)
					0.0		0.0	5.6780	None			0.0	5.6780	None	0.0058007	-0.0052697	0.0030827	104.05E-6	-214.85E-6	12112.0	0 (Negligible)
					0.0		0.0	4.3970	None			0.0	4.3970	None	0.010855	0.073846	0.087861	-895.89E-6	612.76E-6	5017.2	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

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

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Sub-building Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Slope [mm]	Max Settlement [mm]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve [1/m]	Max Gradient of Vertical Displacement Curve [1/m]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
0	Base Model	1	No. 13	No. 13 Front Wall	0.0	0.0053640	0.053366	-515.46E-6	2.6482	0.055890	-608.45E-6	-515.46E-6	-	-	1 (Very Slight)
		2	No. 13	No. 13 Side Wall	0.0	0.017576	-0.029423	873.24E-6	3.1678	0.012956	565.82E-6	873.24E-6	-	-	0 (Negligible)
		3	No. 13	No. 13 Rear Wall	0.0	0.0030109	-0.0023731	255.70E-6	1.0433	0.0022436	111.40E-6	255.70E-6	-	-	0 (Negligible)
		4	No. 17	No. 17 Front Wall	0.0	0.0073336	0.035326	-636.32E-6	1.7489	0.040149	-353.14E-6	-636.32E-6	-	-	0 (Negligible)
		5	No. 17	No. 17 Side Wall	0.0	0.0085453	0.0035364	477.90E-6	1.7495	0.010077	-90.907E-6	477.90E-6	-	-	0 (Negligible)
		6	No. 17	No. 17 Minor Rear Wall	0.0	809.47E-6	-0.010488	170.64E-6	0.78856	0.0021435	146.22E-6	170.64E-6	-	-	0 (Negligible)
		7	No. 17	No. 17 Minor Side Wall	0.0	0.0064225	-0.0025826	535.03E-6	3.0332	0.0057434	92.528E-6	535.03E-6	-	-	0 (Negligible)
		8	No. 17	No. 17 Front Wall	0.0	0.0047879	0.069304	-599.49E-6	3.0314	0.072823	-760.76E-6	-599.49E-6	-	-	1 (Very Slight)
		9	No. 17-19 Garage Side	No. 17-19 Garage Side 1	0.0	0.014549	-0.028557	-580.75E-6	3.0681	0.0082496	560.77E-6	-580.75E-6	-	-	0 (Negligible)
		10	No. 17-19 Garage Front	No. 17-19 Garage Front	0.0	0.0064820	-0.0081447	-291.27E-6	1.4385	0.0037659	287.04E-6	-291.27E-6	-	-	0 (Negligible)
		11	No. 17-19 Garage Rear	No. 17-19 Garage Side 2	0.0	0.0058007	-0.0052697	-214.85E-6	1.3716	0.0030827	104.05E-6	-214.85E-6	-	-	0 (Negligible)
		12	No. 17-19 Garage Rear	No. 17-19 Garage Rear	0.0	0.010855	0.073846	612.76E-6	3.0484	0.087861	-895.89E-6	612.76E-6	-	-	2 (Slight)

Specific Building Damage Results - Critical Segments within Each Building

Stage Ref.	Stage Name	Specific Building Ref.	Specific Building Name	Parameter	Critical Sub-Building	Critical Start Segment	End Segment	Curvature [1/m]	Max Slope [mm]	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category	
0	Base Model	0	No. 13	Max Slope	No. 13 Side Wall	3	8.1498	12.494	None	873.24E-6	3.1678	0.012956	-	-	0 (Negligible)
				Max Settlement	No. 13 Side Wall	3	8.1498	12.494	None	873.24E-6	3.1678	0.012956	-	-	0 (Negligible)
				Max Tensile Strain	No. 13 Front Wall	1	6.1157	10.035	None	515.46E-6	1.6748	0.055890	-	-	1 (Very Slight)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-
		0	No. 17	Max Slope	No. 17 Front Wall	1	6.7458	11.242	None	636.32E-6	1.7489	0.040149	-	-	0 (Negligible)
				Max Settlement	No. 17 Minor Side Wall	1	0.0	5.5390	None	535.03E-6	3.0332	0.0057434	-	-	0 (Negligible)
				Max Tensile Strain	No. 17 Minor Front Wall	1	0.0	2.5480	None	599.49E-6	3.0314	0.072823	-	-	1 (Very Slight)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-
		0	No. 17-19 Garage Side	Max Slope	No. 17-19 Garage Side 1	1	0.0	5.6150	None	580.75E-6	3.0681	0.0082496	-	-	0 (Negligible)
				Max Settlement	No. 17-19 Garage Side 1	1	0.0	5.6150	None	580.75E-6	3.0681	0.0082496	-	-	0 (Negligible)
				Max Tensile Strain	No. 17-19 Garage Side 1	1	0.0	5.6150	None	580.75E-6	3.0681	0.0082496	-	-	0 (Negligible)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-
		0	No. 17-19 Garage Front	Max Slope	No. 17-19 Garage Front	1	0.0	4.2160	None	291.27E-6	1.4385	0.0037659	-	-	0 (Negligible)
				Max Settlement	No. 17-19 Garage Front	1	0.0	4.2160	None	291.27E-6	1.4385	0.0037659	-	-	0 (Negligible)
				Max Tensile Strain	No. 17-19 Garage Front	1	0.0	4.2160	None	291.27E-6	1.4385	0.0037659	-	-	0 (Negligible)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-
		0	No. 17-19 Garage Rear	Max Slope	No. 17-19 Garage Rear	1	0.0	4.3970	None	612.76E-6	3.0484	0.087861	-	-	2 (Slight)
				Max Settlement	No. 17-19 Garage Rear	1	0.0	4.3970	None	612.76E-6	3.0484	0.087861	-	-	2 (Slight)
				Max Tensile Strain	No. 17-19 Garage Rear	1	0.0	4.3970	None	612.76E-6	3.0484	0.087861	-	-	2 (Slight)
				Min Radius of Curvature (Hogging)	-	-	-	-	-	-	-	-	-	-	-
				Min Radius of Curvature (Sagging)	-	-	-	-	-	-	-	-	-	-	-

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