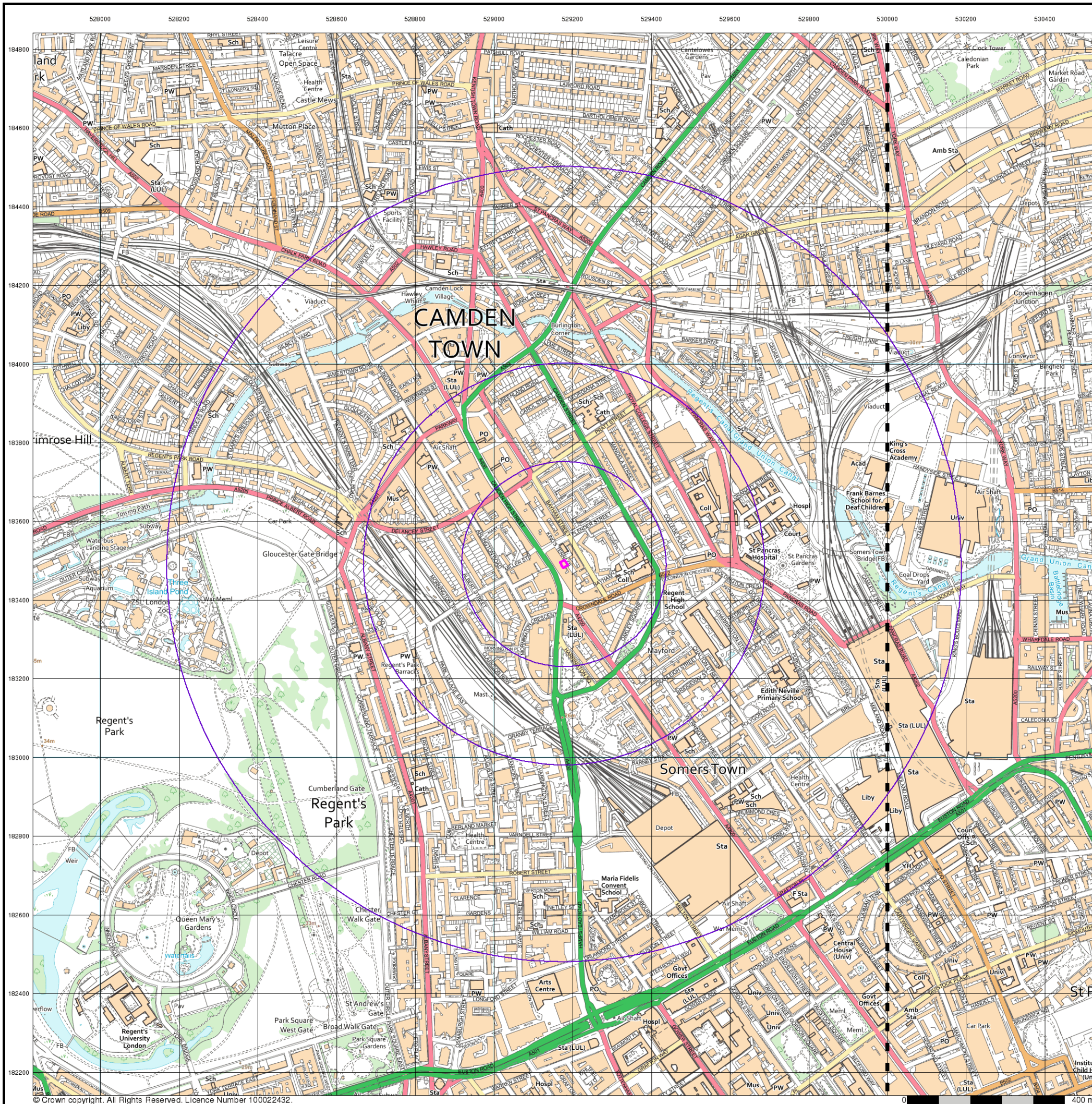




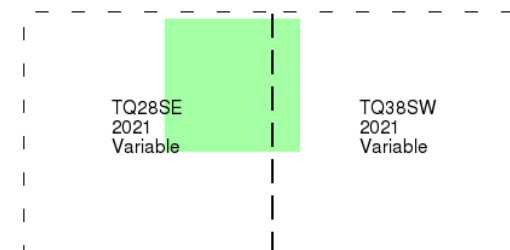
## VectorMap Local

Published 2021

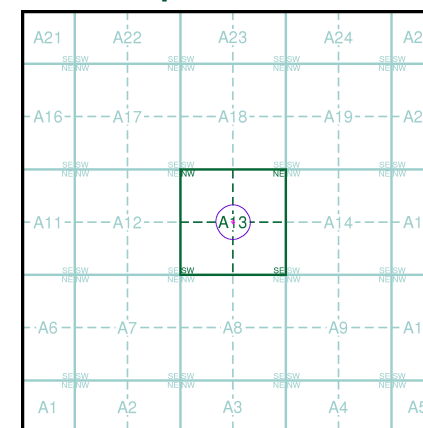
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 277151761\_1\_1  
Customer Ref: J21098  
National Grid Reference: 529180, 183490  
Slice: A  
Site Area (Ha): 0.03  
Search Buffer (m): 1000

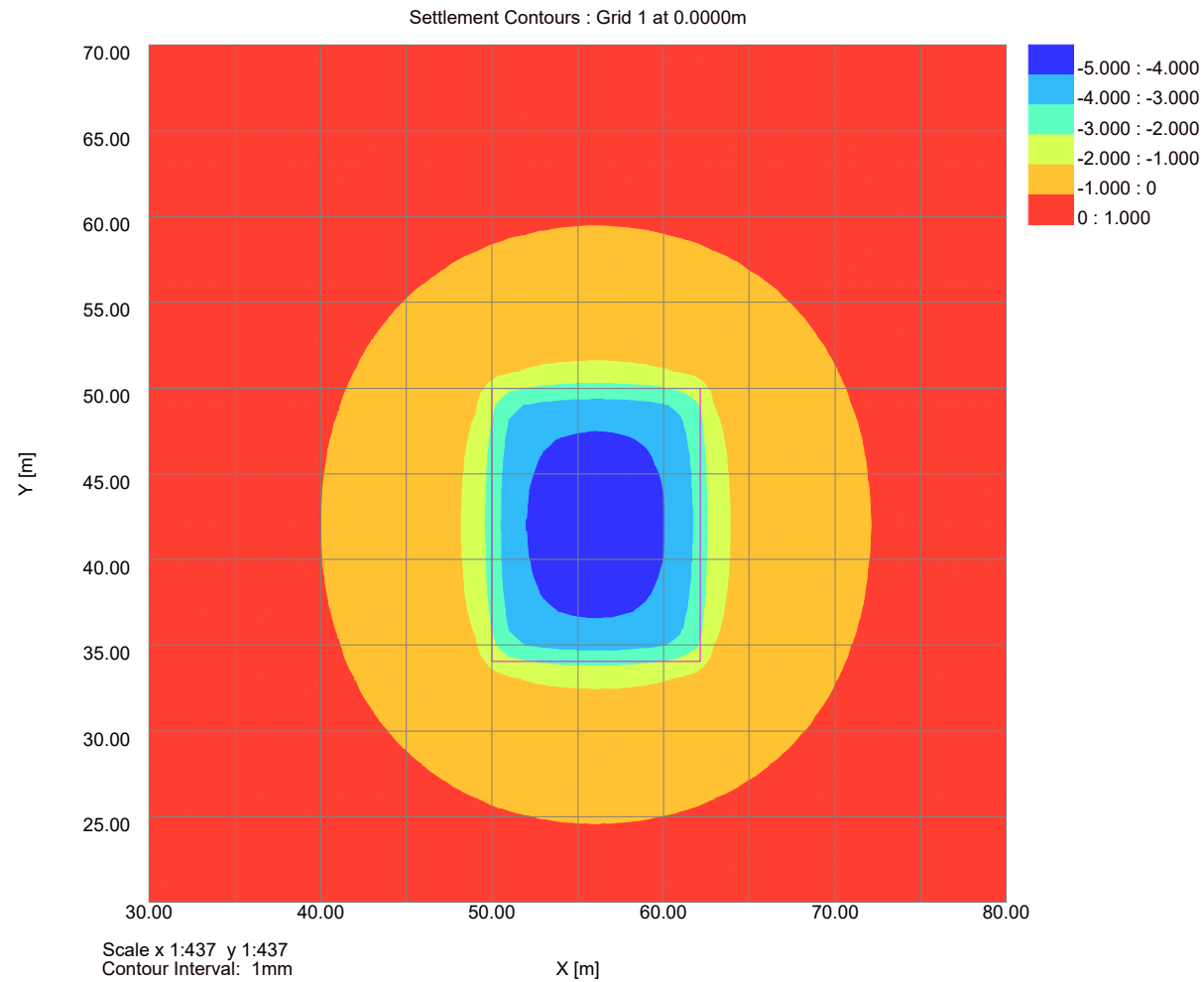
## Site Details

11-13 Kings Terrace, LONDON, NW1 0JP



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.envirocheck.co.uk

|               |           |         |
|---------------|-----------|---------|
| Job No.       | Sheet No. | Rev.    |
| J21138        |           |         |
| Drg. Ref.     |           |         |
| Made by<br>AT | Date      | Checked |





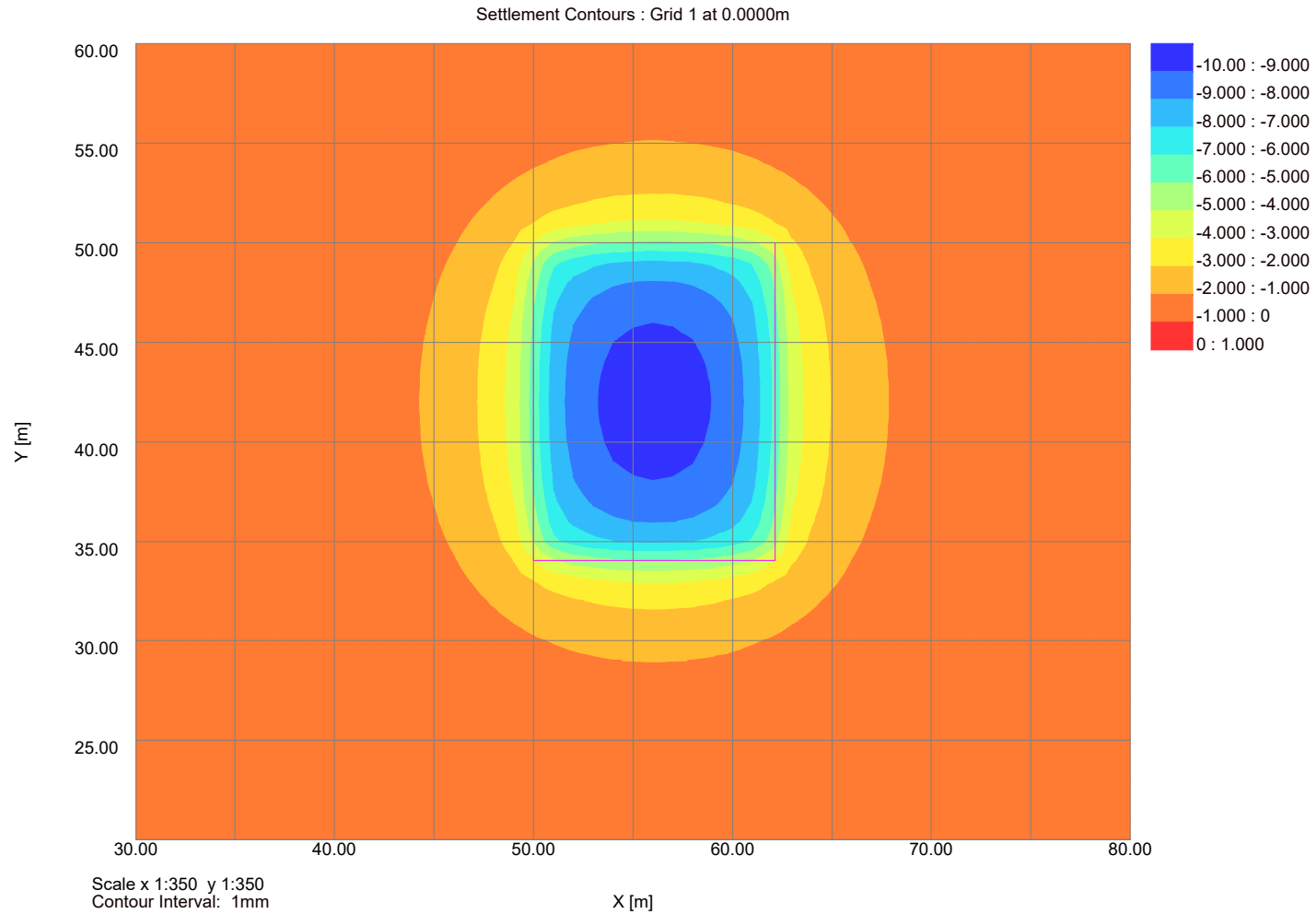
**GEOTECHNICAL AND  
ENVIRONMENTAL ASSOCIATES LTD**

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

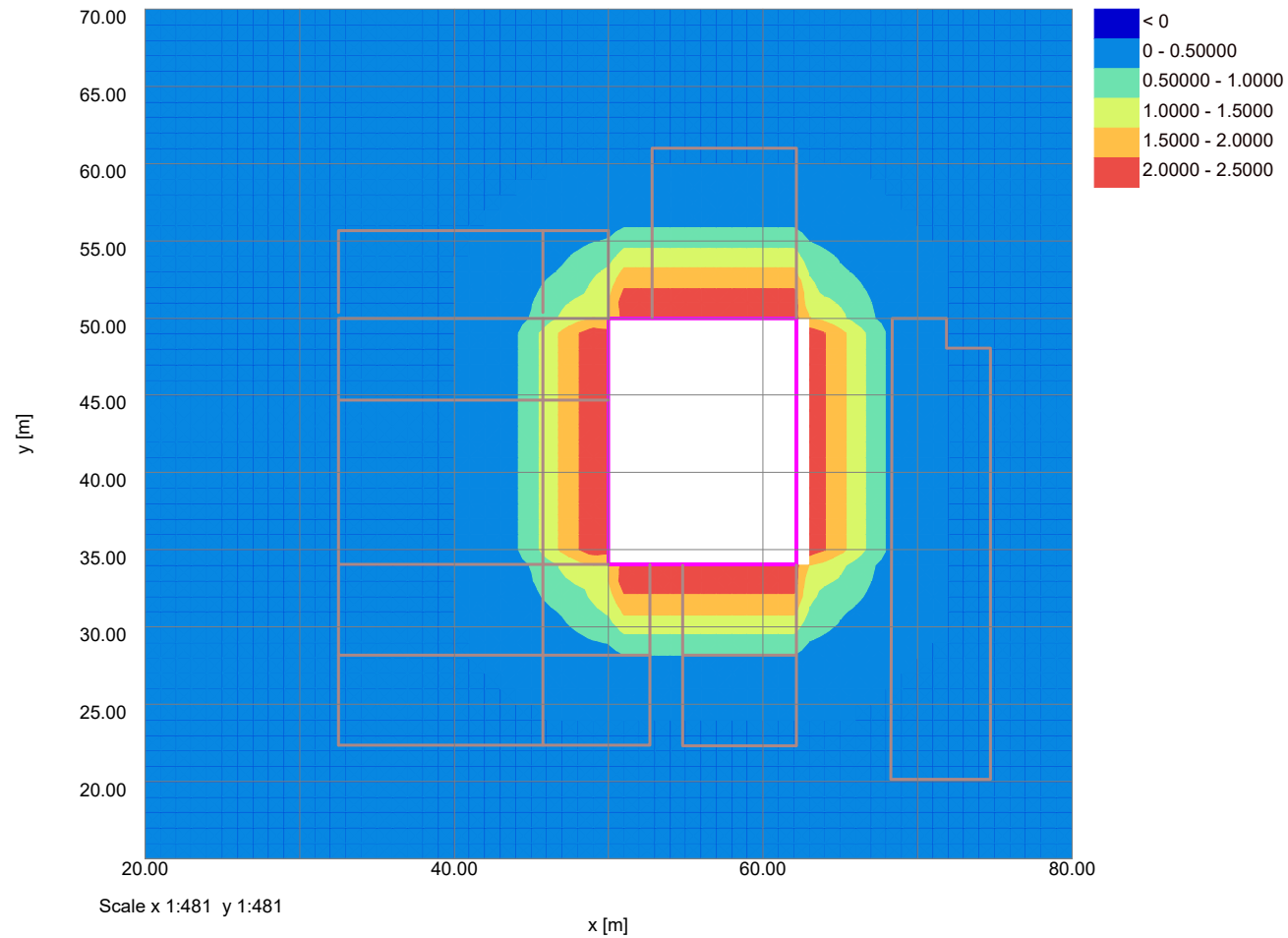
Overall Term Movement Plot

| Job No.       | Sheet No. | Rev.    |
|---------------|-----------|---------|
| J21138        |           |         |
| Drg. Ref.     |           |         |
| Made by<br>AT | Date      | Checked |



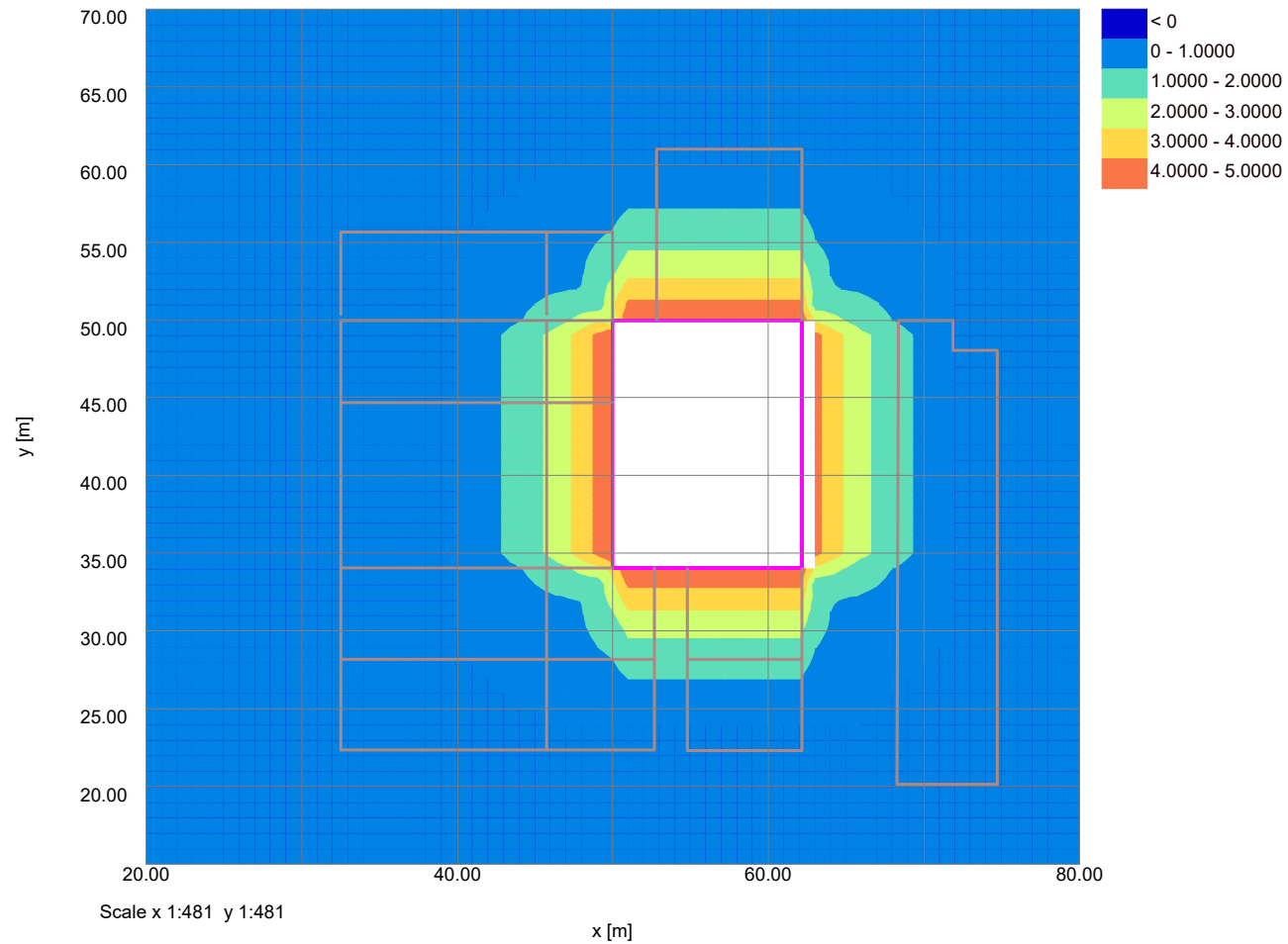
|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| J21138        |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

Vertical Settlement Contours: Grid 1 (level 0.000m) (Interval 0.5mm)



|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| J21138        |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

Horizontal Displacement Contours: Grid 1 (level 0.000m) Interval 1mm





# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| LJ21138       |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

## Titles

Job No.: J21138  
Job Title: 11-13 King's Terrace, London NW1 0JP  
Sub-title: Ground Movement Assessment  
Calculation Heading: Tabular Inputs & Outputs  
Initials: AT  
Checker:  
Date Saved: 25-May-2021  
Date Checked:  
Notes:  
File Name: XDisp1.xdd  
File Path: C:\Users\Alex Taylor\Desktop\J21098 - 11-13 King's Terrace\GMA

## History

| Date        | Time  | By          | Notes |
|-------------|-------|-------------|-------|
| 19-May-2021 | 13:52 | Alex Taylor | New   |
| 19-May-2021 | 15:27 | Alex Taylor |       |
| 21-May-2021 | 14:23 | Alex Taylor |       |
| 24-May-2021 | 15:10 | Alex Taylor |       |
| 25-May-2021 | 15:13 | Alex Taylor |       |
| 25-May-2021 | 15:52 | Alex Taylor |       |
| 25-May-2021 | 16:08 | Alex Taylor |       |

## Displacement Lines

| Ref. | Name              | x1       | y1       | z1       | x2       | y2       | z2       | Intervals | Calculate | Surface type<br>For tunnels |
|------|-------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------------------------|
|      |                   | [m]      | [m]      | [m]      | [m]      | [m]      | [m]      | [No.]     |           |                             |
| 1    | 8KT - Wall 1      | 68.35000 | 50.00000 | -1.00000 | 71.82000 | 50.00000 | -1.00000 | 4         | Surface   | Yes                         |
| 2    | 8KT - Wall 2      | 71.87000 | 50.00000 | -1.00000 | 71.87000 | 48.00000 | -1.00000 | 2         | Surface   | Yes                         |
| 3    | 8KT - Wall 3      | 71.87000 | 48.03000 | -1.00000 | 74.70000 | 48.03000 | -1.00000 | 3         | Surface   | Yes                         |
| 4    | 8KT - Wall 4      | 74.70000 | 47.97000 | -1.00000 | 74.70000 | 20.18000 | -1.00000 | 28        | Surface   | Yes                         |
| 5    | 8KT - Wall 5      | 74.70000 | 20.13000 | -1.00000 | 68.25000 | 20.13000 | -1.00000 | 7         | Surface   | Yes                         |
| 6    | 8KT - Wall 6      | 68.25000 | 20.20000 | -1.00000 | 68.35000 | 49.95000 | -1.00000 | 30        | Surface   | Yes                         |
| 7    | 9KT - Wall 1      | 62.13000 | 34.00000 | -1.00000 | 62.13000 | 28.22000 | -1.00000 | 6         | Surface   | Yes                         |
| 8    | 9KT - Wall 2      | 62.13000 | 28.17000 | -1.00000 | 54.78000 | 28.17000 | -1.00000 | 7         | Surface   | Yes                         |
| 9    | 9KT - Wall 3      | 54.78000 | 28.22000 | -1.00000 | 54.78000 | 34.00000 | -1.00000 | 6         | Surface   | Yes                         |
| 10   | 7KT - Wall 1      | 62.13000 | 28.12000 | -1.00000 | 62.13000 | 22.34000 | -1.00000 | 6         | Surface   | Yes                         |
| 11   | 7KT - Wall 2      | 62.13000 | 22.29000 | -1.00000 | 54.78000 | 22.29000 | -1.00000 | 7         | Surface   | Yes                         |
| 12   | 7KT - Wall 3      | 54.78000 | 22.34000 | -1.00000 | 54.78000 | 28.12000 | -1.00000 | 6         | Surface   | Yes                         |
| 13   | 17-19KT - Wall 1  | 52.83000 | 60.95000 | -1.00000 | 52.83000 | 60.95000 | -1.00000 | 11        | Surface   | Yes                         |
| 14   | 17-19KT - Wall 2  | 52.83000 | 61.00000 | -1.00000 | 62.13000 | 61.00000 | -1.00000 | 9         | Surface   | Yes                         |
| 15   | 17-19KT - Wall 3  | 62.13000 | 60.95000 | -1.00000 | 62.13000 | 50.05000 | -1.00000 | 11        | Surface   | Yes                         |
| 16   | 28-30CHS - Wall 1 | 50.00000 | 44.70000 | -1.00000 | 45.72000 | 44.70000 | -1.00000 | 4         | Surface   | Yes                         |
| 17   | 28-30CHS - Wall 2 | 50.00000 | 34.05000 | -1.00000 | 45.72000 | 34.05000 | -1.00000 | 4         | Surface   | Yes                         |
| 18   | 28-30CHS - Wall 3 | 45.72000 | 44.70000 | -1.00000 | 45.72000 | 34.05000 | -1.00000 | 16        | Surface   | Yes                         |
| 19   | 28-30CHS - Wall 4 | 45.72000 | 44.70000 | -1.00000 | 32.52000 | 44.70000 | -1.00000 | 13        | Surface   | Yes                         |
| 20   | 28-30CHS - Wall 5 | 45.72000 | 34.05000 | -1.00000 | 32.52000 | 34.05000 | -1.00000 | 13        | Surface   | Yes                         |
| 21   | 28-30CHS - Wall 6 | 32.52000 | 34.05000 | -1.00000 | 32.52000 | 44.70000 | -1.00000 | 16        | Surface   | Yes                         |
| 22   | 32CHS - Wall 1    | 50.00000 | 50.00000 | -1.00000 | 45.72000 | 50.00000 | -1.00000 | 4         | Surface   | Yes                         |
| 23   | 32CHS - Wall 2    | 45.72000 | 50.00000 | -1.00000 | 45.72000 | 44.70000 | -1.00000 | 5         | Surface   | Yes                         |
| 24   | 32CHS - Wall 3    | 45.72000 | 50.00000 | -1.00000 | 32.52000 | 50.00000 | -1.00000 | 13        | Surface   | Yes                         |
| 25   | 32CHS - Wall 4    | 32.52000 | 50.00000 | -1.00000 | 32.50000 | 44.70000 | -1.00000 | 5         | Surface   | Yes                         |
| 26   | 34CHS - Wall 1    | 50.00000 | 55.67000 | -1.00000 | 45.72000 | 55.67000 | -1.00000 | 4         | Surface   | Yes                         |
| 27   | 34CHS - Wall 2    | 45.72000 | 55.67000 | -1.00000 | 45.72000 | 50.37000 | -1.00000 | 5         | Surface   | Yes                         |
| 28   | 34CHS - Wall 3    | 45.72000 | 55.67000 | -1.00000 | 32.52000 | 55.67000 | -1.00000 | 13        | Surface   | Yes                         |
| 29   | 34CHS - Wall 4    | 32.52000 | 55.67000 | -1.00000 | 32.50000 | 50.37000 | -1.00000 | 5         | Surface   | Yes                         |
| 30   | 26CHS - Wall 1    | 52.68000 | 28.17000 | -1.00000 | 52.68000 | 34.05000 | -1.00000 | 6         | Surface   | Yes                         |
| 31   | 26CHS - Wall 2    | 52.68000 | 28.17000 | -1.00000 | 45.72000 | 28.17000 | -1.00000 | 7         | Surface   | Yes                         |
| 32   | 26CHS - Wall 3    | 45.72000 | 34.05000 | -1.00000 | 45.72000 | 28.17000 | -1.00000 | 6         | Surface   | Yes                         |
| 33   | 26CHS - Wall 4    | 45.72000 | 28.17000 | -1.00000 | 32.52000 | 28.17000 | -1.00000 | 13        | Surface   | Yes                         |
| 34   | 26CHS - Wall 5    | 32.52000 | 28.17000 | -1.00000 | 32.52000 | 34.05000 | -1.00000 | 6         | Surface   | Yes                         |
| 35   | 24CHS - Wall 1    | 52.68000 | 28.17000 | -1.00000 | 52.68000 | 22.37000 | -1.00000 | 6         | Surface   | Yes                         |
| 36   | 24CHS - Wall 2    | 52.68000 | 22.37000 | -1.00000 | 45.72000 | 22.37000 | -1.00000 | 7         | Surface   | Yes                         |
| 37   | 24CHS - Wall 3    | 45.72000 | 22.37000 | -1.00000 | 45.72000 | 28.17000 | -1.00000 | 6         | Surface   | Yes                         |
| 38   | 24CHS - Wall 4    | 45.72000 | 22.37000 | -1.00000 | 32.52000 | 22.37000 | -1.00000 | 13        | Surface   | Yes                         |
| 39   | 24CHS - Wall 5    | 32.52000 | 28.17000 | -1.00000 | 32.52000 | 22.37000 | -1.00000 | 6         | Surface   | Yes                         |
| 40   | 34CHS - Wall 5    | 50.00000 | 55.67000 | -1.00000 | 50.00000 | 50.00000 | -1.00000 | 4         | Surface   | Yes                         |

## Displacement Grids

| Ref. | Name   | Extrusion: Direction | Base line start: X | Base line start: Y | Base line start: Z(level) | Base line end: X | Base line end: Y | Base line end: Z(level) | Base line: Intervals | Extrusion: Distance | Extrusion: Intervals | Surface type for tunnels | Calculate |
|------|--------|----------------------|--------------------|--------------------|---------------------------|------------------|------------------|-------------------------|----------------------|---------------------|----------------------|--------------------------|-----------|
|      |        |                      | [m]                | [m]                | [m]                       | [m]              | [m]              | [m]                     | [No.]                | [m]                 | [No.]                |                          |           |
| 1    | Grid 1 | Global X             | 0.00000            | 0.00000            | 0.00000                   | -                | 80.00000         | 0.00000                 | 80                   | 80.00000            | 80                   | Surface                  | Yes       |

## Polygonal Excavations

|                                                                                 |                     |        |            |             |           |               |                |                 |              |               |                |  |  |
|---------------------------------------------------------------------------------|---------------------|--------|------------|-------------|-----------|---------------|----------------|-----------------|--------------|---------------|----------------|--|--|
| Ref.                                                                            | 1                   |        |            |             |           |               |                |                 |              |               |                |  |  |
| Excavation Name:                                                                | Basement Excavation |        |            |             |           |               |                |                 |              |               |                |  |  |
| Surface level [m]:                                                              | -0.75000            |        |            |             |           |               |                |                 |              |               |                |  |  |
| Contribution:                                                                   | Positive            |        |            |             |           |               |                |                 |              |               |                |  |  |
| Surface movement curves which are selected are applied between surface and [m]: | -3.2000             |        |            |             |           |               |                |                 |              |               |                |  |  |
| Corner                                                                          | x                   | y      | Base Level | Arc Enabled | Stiffened | Prev. Side: d | Prev. Side: p1 | Prev. Side: p2* | Next Side: d | Next Side: p1 | Next Side: p2* |  |  |
|                                                                                 | [m]                 | [m]    | [m]        |             |           | [m]           | [%]            | [%]             | [m]          | [%]           | [%]            |  |  |
| 1                                                                               | 50.000              | 50.000 | -3.2000    | Yes         | Yes       | 0.0           | 67.000         | 25.000          | 0.0          | 67.000        | 25.000         |  |  |
| 2                                                                               | 62.130              | 50.000 | -3.2000    | Yes         | Yes       | 0.0           | 67.000         | 25.000          | 0.0          | 67.000        | 25.000         |  |  |
| 3                                                                               | 62.130              | 34.050 | -3.2000    | Yes         | Yes       | 0.0           | 67.000         | 25.000          | 0.0          | 67.000        | 25.000         |  |  |
| 4                                                                               | 50.000              | 34.050 | -3.2000    | Yes         | Yes       | 0.0           | 67.000         | 25.000          | 0.0          | 67.000        | 25.000         |  |  |

|      |        |        |        |        |                                                                              |  |  |                                                                              |  |  |
|------|--------|--------|--------|--------|------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------|--|--|
| Side | x1 [m] | y1 [m] | x2 [m] | y2 [m] | G.M. Curve: Vertical                                                         |  |  | G.M. Curve: Horizontal                                                       |  |  |
| 1    | 50.000 | 50.000 | 62.130 | 50.000 | 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    | 62.130 | 50.000 | 62.130 | 34.050 | 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    | 62.130 | 34.050 | 50.000 | 34.050 | 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    | 50.000 | 34.050 | 50.000 | 50.000 | 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)) |  |  |

|                                                                                 |                             |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Ref.                                                                            | 2                           |  |  |  |  |  |  |  |  |  |  |  |  |
| Excavation Name:                                                                | Retaining Wall Installation |  |  |  |  |  |  |  |  |  |  |  |  |
| Surface level [m]:                                                              | -0.75000                    |  |  |  |  |  |  |  |  |  |  |  |  |
| Contribution:                                                                   | Positive                    |  |  |  |  |  |  |  |  |  |  |  |  |
| Surface movement curves which are selected are applied between surface and [m]: | -3.2000                     |  |  |  |  |  |  |  |  |  |  |  |  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Side   | x1<br>[m] | y1<br>[m] | x2<br>[m]  | y2<br>[m]   | G.M. Curve: Vertical                                                  |               |                |                 | G.M. Curve: Horizontal                                                |               |                |  |
|--------|-----------|-----------|------------|-------------|-----------------------------------------------------------------------|---------------|----------------|-----------------|-----------------------------------------------------------------------|---------------|----------------|--|
| Corner | x         | y         | Base Level | Arc Enabled | Stiffened                                                             | Prev. Side: d | Prev. Side: p1 | Prev. Side: p2* | Next Side: d                                                          | Next Side: p1 | Next Side: p2* |  |
|        | [m]       | [m]       | [m]        |             |                                                                       | [m]           | [%]            | [%]             | [m]                                                                   | [%]           | [%]            |  |
| 1      | 50.000    | 50.000    | -3.2000    | Yes         | Yes                                                                   | 0.0           | 67.000         | 25.000          | 0.0                                                                   | 67.000        | 25.000         |  |
| 2      | 62.130    | 50.000    | -3.2000    | Yes         | Yes                                                                   | 0.0           | 67.000         | 25.000          | 0.0                                                                   | 67.000        | 25.000         |  |
| 3      | 62.130    | 34.050    | -3.2000    | Yes         | Yes                                                                   | 0.0           | 67.000         | 25.000          | 0.0                                                                   | 67.000        | 25.000         |  |
| 4      | 50.000    | 34.050    | -3.2000    | Yes         | Yes                                                                   | 0.0           | 67.000         | 25.000          | 0.0                                                                   | 67.000        | 25.000         |  |
| Side   | x1<br>[m] | y1<br>[m] | x2<br>[m]  | y2<br>[m]   | G.M. Curve: Vertical                                                  |               |                |                 | G.M. Curve: Horizontal                                                |               |                |  |
| 1      | 50.000    | 50.000    | 62.130     | 50.000      | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b)) |               |                |                 | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a)) |               |                |  |
| 2      | 62.130    | 50.000    | 62.130     | 34.050      | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b)) |               |                |                 | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a)) |               |                |  |
| 3      | 62.130    | 34.050    | 50.000     | 34.050      | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b)) |               |                |                 | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a)) |               |                |  |
| 4      | 50.000    | 34.050    | 50.000     | 50.000      | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b)) |               |                |                 | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a)) |               |                |  |

## Circular Excavations

## Vertical Ground Movement Curves

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Curve Name:              | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(b))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Coordinates:             | [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                          | [0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]<br>[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]<br>[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]<br>[0.600,0.000,0.015][0.650,0.000,0.013][0.700,0.000,0.012][0.750,0.000,0.010]<br>[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]<br>[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]<br>[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]<br>[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]                                                                                                                                                                                                           |
| Curve Fitting Method:    | Polynomial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| x Order:                 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| y Order:                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Polynomial: z =          | -1.2355E-2x <sup>4</sup> + 3.4814E-2x <sup>3</sup> - 2.8885E-3x <sup>2</sup> - 6.5618E-2x + 4.9987E-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Coeff. of Determination: | 1.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Curve Name:              | Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(b))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Coordinates:             | [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                          | [0.000,0.000,0.039][0.100,0.000,0.049][0.200,0.000,0.056][0.300,0.000,0.062]<br>[0.400,0.000,0.067][0.500,0.000,0.070][0.600,0.000,0.072][0.700,0.000,0.073]<br>[0.800,0.000,0.073][0.900,0.000,0.072][1.000,0.000,0.070][1.100,0.000,0.068]<br>[1.200,0.000,0.065][1.300,0.000,0.061][1.400,0.000,0.058][1.500,0.000,0.054]<br>[1.600,0.000,0.050][1.700,0.000,0.046][1.800,0.000,0.042][1.900,0.000,0.038]<br>[2.000,0.000,0.034][2.100,0.000,0.030][2.200,0.000,0.027][2.300,0.000,0.023]<br>[2.400,0.000,0.020][2.500,0.000,0.017][2.600,0.000,0.014][2.700,0.000,0.012]<br>[2.800,0.000,0.010][2.900,0.000,0.008][3.000,0.000,0.007][3.100,0.000,0.005]<br>[3.200,0.000,0.004][3.300,0.000,0.004][3.400,0.000,0.003][3.500,0.000,0.002]<br>[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]<br>[4.000,0.000,0.000] |
| Curve Fitting Method:    | Polynomial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| x Order:                 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| y Order:                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Polynomial: z =          | -2.6455E-3x <sup>4</sup> + 2.8495E-2x <sup>3</sup> - 1.0051E-1x <sup>2</sup> + 1.0569E-1x + 3.8990E-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Coeff. of Determination: | 9.9991E-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Horizontal Ground Movement Curves

|                          |                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Curve Name:              | Inst. of planar diaphragm wall in stiff clay (CIRIA C760 Fig. 6.9(a))                                                                                                             |
| Coordinates:             | [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)] |
|                          | [0.000,0.000,0.050][1.500,0.000,0.000]                                                                                                                                            |
| Curve Fitting Method:    | Polynomial                                                                                                                                                                        |
| x Order:                 | 1                                                                                                                                                                                 |
| y Order:                 | 0                                                                                                                                                                                 |
| Polynomial: z =          | -3.33E-2x + 5.00E-2                                                                                                                                                               |
| Coeff. of Determination: | 1.00                                                                                                                                                                              |
| Curve Name:              | Exc. in front of high stiffness wall in stiff clay (CIRIA C760 Fig. 6.15(a))                                                                                                      |
| Coordinates:             | [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)] |
|                          | [0.000,0.000,0.150][4.000,0.000,0.000]                                                                                                                                            |
| Curve Fitting Method:    | Polynomial                                                                                                                                                                        |
| x Order:                 | 1                                                                                                                                                                                 |
| y Order:                 | 0                                                                                                                                                                                 |
| Polynomial: z =          | -3.75E-2x + 1.50E-1                                                                                                                                                               |
| Coeff. of Determination: | 1.00                                                                                                                                                                              |

## Damage Category Strains

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

## Specific Buildings - Geometry

| Ref. | Building Name            | Sub-Building Name | Displacement Line | Distance Along Line: Start | Distance Along Line: End | Vertical Offsets from Line for Vertical Movement Calculations | Vertical Displacement Limit Sensitivity | Damage Category Strains | Poisson's Ratio | E/G    |
|------|--------------------------|-------------------|-------------------|----------------------------|--------------------------|---------------------------------------------------------------|-----------------------------------------|-------------------------|-----------------|--------|
|      |                          |                   |                   | [m]                        | [m]                      | [m]                                                           | [mm]                                    |                         |                 |        |
| 1    | 8 Kings Terrace          | 8KT - Wall 1      | 8KT - Wall 1      | 0.00000                    | 3.46900                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 2    | 8 Kings Terrace          | 8KT - Wall 2      | 8KT - Wall 2      | 0.00000                    | 1.92000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 3    | 8 Kings Terrace          | 8KT - Wall 3      | 8KT - Wall 3      | 0.00000                    | 2.82900                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 4    | 8 Kings Terrace          | 8KT - Wall 4      | 8KT - Wall 4      | 0.00000                    | 27.79000                 | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 5    | 8 Kings Terrace          | 8KT - Wall 5      | 8KT - Wall 5      | 0.00000                    | 6.45000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 6    | 8 Kings Terrace          | 8KT - Wall 6      | 8KT - Wall 6      | 0.00000                    | 29.75000                 | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 7    | 9 Kings Terrace          | 9KT - Wall 1      | 9KT - Wall 1      | 0.00000                    | 5.78000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 8    | 9 Kings Terrace          | 9KT - Wall 2      | 9KT - Wall 2      | 0.00000                    | 7.35000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 9    | 9 Kings Terrace          | 9KT - Wall 3      | 9KT - Wall 3      | 0.00000                    | 5.78000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 10   | 7 Kings Terrace          | 7KT - Wall 1      | 7KT - Wall 1      | 0.00000                    | 5.78000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 11   | 7 Kings Terrace          | 7KT - Wall 2      | 7KT - Wall 2      | 0.00000                    | 7.35000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 12   | 7 Kings Terrace          | 7KT - Wall 3      | 7KT - Wall 3      | 0.00000                    | 5.78000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 13   | 17-19 Kings Terrace      | 17-19KT - Wall 1  | 17-19KT - Wall 1  | 0.00000                    | 10.90000                 | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 14   | 17-19 Kings Terrace      | 17-19KT - Wall 2  | 17-19KT - Wall 2  | 0.00000                    | 9.38000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 15   | 17-19 Kings Terrace      | 17-19KT - Wall 3  | 17-19KT - Wall 3  | 0.00000                    | 10.90000                 | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 16   | 28-30 Camden High Street | 28-30CHS - Wall 1 | 28-30CHS - Wall 1 | 0.00000                    | 4.28000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |
| 17   | 28-30 Camden High Street | 28-30CHS - Wall 2 | 28-30CHS - Wall 2 | 0.00000                    | 4.28000                  | 0.0                                                           | 0.10000                                 | Burland Strain Limits   | 0.20000         | 2.6000 |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD 138

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
|               |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Ref. | Building Name            | Sub-Building Name | Displacement Line | Distance Along Line: Start | Distance Along Line: End | Vertical Offsets from Line For Vertical | Vertical Displacement Limit | Damage Category Strains | Poisson's Ratio | E/G    |
|------|--------------------------|-------------------|-------------------|----------------------------|--------------------------|-----------------------------------------|-----------------------------|-------------------------|-----------------|--------|
| 18   | 28-30 Camden High Street | 28-30CHS - Wall 3 | 28-30CHS - Wall 3 | 0.00000                    | 10.65000                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 19   | 28-30 Camden High Street | 28-30CHS - Wall 4 | 28-30CHS - Wall 4 | 0.00000                    | 13.19900                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 20   | 28-30 Camden High Street | 28-30CHS - Wall 5 | 28-30CHS - Wall 5 | 0.00000                    | 13.19900                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 21   | 28-30 Camden High Street | 28-30CHS - Wall 6 | 28-30CHS - Wall 6 | 0.00000                    | 10.65000                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 22   | 32 Camden High Street    | 32CHS - Wall 1    | 32CHS - Wall 1    | 0.00000                    | 4.20000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 23   | 32 Camden High Street    | 32CHS - Wall 2    | 32CHS - Wall 2    | 0.00000                    | 5.29900                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 24   | 32 Camden High Street    | 32CHS - Wall 3    | 32CHS - Wall 3    | 0.00000                    | 13.19900                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 25   | 32 Camden High Street    | 32CHS - Wall 4    | 32CHS - Wall 4    | 0.00000                    | 5.30000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 26   | 34 Camden High Street    | 34CHS - Wall 1    | 34CHS - Wall 1    | 0.00000                    | 4.28000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 27   | 34 Camden High Street    | 34CHS - Wall 2    | 34CHS - Wall 2    | 0.00000                    | 5.30000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 28   | 34 Camden High Street    | 34CHS - Wall 3    | 34CHS - Wall 3    | 0.00000                    | 13.19900                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 29   | 34 Camden High Street    | 34CHS - Wall 4    | 34CHS - Wall 4    | 0.00000                    | 5.30000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 30   | 26 Camden High Street    | 26CHS - Wall 1    | 26CHS - Wall 1    | 0.00000                    | 5.87900                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 31   | 26 Camden High Street    | 26CHS - Wall 2    | 26CHS - Wall 2    | 0.00000                    | 6.96000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 32   | 26 Camden High Street    | 26CHS - Wall 3    | 26CHS - Wall 3    | 0.00000                    | 5.87900                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 33   | 26 Camden High Street    | 26CHS - Wall 4    | 26CHS - Wall 4    | 0.00000                    | 13.19900                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 34   | 26 Camden High Street    | 26CHS - Wall 5    | 26CHS - Wall 5    | 0.00000                    | 5.87900                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 35   | 24 Camden High Street    | 24CHS - Wall 1    | 24CHS - Wall 1    | 0.00000                    | 5.80000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 36   | 24 Camden High Street    | 24CHS - Wall 2    | 24CHS - Wall 2    | 0.00000                    | 6.96000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 37   | 24 Camden High Street    | 24CHS - Wall 3    | 24CHS - Wall 3    | 0.00000                    | 5.80000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 38   | 24 Camden High Street    | 24CHS - Wall 4    | 24CHS - Wall 4    | 0.00000                    | 13.19900                 | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 39   | 24 Camden High Street    | 24CHS - Wall 5    | 24CHS - Wall 5    | 0.00000                    | 5.80000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |
| 40   | 34 Camden High Street    | 34CHS - Wall 5    | 34CHS - Wall 5    | 0.00000                    | 5.67000                  | 0.0                                     | 0.10000                     | Burland Strain Limits   | 0.20000         | 2.6000 |

## Specific Buildings - Bending Parameters

| Ref. | Building Name            | Sub-Building Name | Height Default | Hogging: 2nd Mom. of Area (per unit width) | Hogging: Dist. of Bending Strain from N.A. | Hogging: Dist. of N.A. from Edge of Beam in Tension | Sagging: 2nd Mom. of Area (per unit width) | Sagging: Dist. of Bending Strain from N.A. | Sagging: Dist. of N.A. from Edge of Beam in Tension |
|------|--------------------------|-------------------|----------------|--------------------------------------------|--------------------------------------------|-----------------------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------------------------|
|      |                          |                   | [m]            | [m <sup>3</sup> ]                          | [m]                                        | [m]                                                 | [m <sup>3</sup> ]                          | [m]                                        | [m]                                                 |
| 1    | 8 Kings Terrace          | 8KT - Wall 1      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 2    | 8 Kings Terrace          | 8KT - Wall 2      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 3    | 8 Kings Terrace          | 8KT - Wall 3      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 4    | 8 Kings Terrace          | 8KT - Wall 4      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 5    | 8 Kings Terrace          | 8KT - Wall 5      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 6    | 8 Kings Terrace          | 8KT - Wall 6      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 7    | 9 Kings Terrace          | 9KT - Wall 1      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 8    | 9 Kings Terrace          | 9KT - Wall 2      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 9    | 9 Kings Terrace          | 9KT - Wall 3      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 10   | 7 Kings Terrace          | 7KT - Wall 1      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 11   | 7 Kings Terrace          | 7KT - Wall 2      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 12   | 7 Kings Terrace          | 7KT - Wall 3      | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 13   | 17-19 Kings Terrace      | 17-19KT - Wall 1  | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 14   | 17-19 Kings Terrace      | 17-19KT - Wall 2  | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 15   | 17-19 Kings Terrace      | 17-19KT - Wall 3  | 8.0000         | Yes                                        | 170.67                                     | 8.0000                                              | 8.0000                                     | 42.667                                     | 4.0000                                              |
| 16   | 28-30 Camden High Street | 28-30CHS - Wall 1 | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 17   | 28-30 Camden High Street | 28-30CHS - Wall 2 | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 18   | 28-30 Camden High Street | 28-30CHS - Wall 3 | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 19   | 28-30 Camden High Street | 28-30CHS - Wall 4 | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 20   | 28-30 Camden High Street | 28-30CHS - Wall 5 | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 21   | 28-30 Camden High Street | 28-30CHS - Wall 6 | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 22   | 32 Camden High Street    | 32CHS - Wall 1    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 23   | 32 Camden High Street    | 32CHS - Wall 2    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 24   | 32 Camden High Street    | 32CHS - Wall 3    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 25   | 32 Camden High Street    | 32CHS - Wall 4    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 26   | 34 Camden High Street    | 34CHS - Wall 1    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 27   | 34 Camden High Street    | 34CHS - Wall 2    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 28   | 34 Camden High Street    | 34CHS - Wall 3    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 29   | 34 Camden High Street    | 34CHS - Wall 4    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 30   | 26 Camden High Street    | 26CHS - Wall 1    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 31   | 26 Camden High Street    | 26CHS - Wall 2    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 32   | 26 Camden High Street    | 26CHS - Wall 3    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 33   | 26 Camden High Street    | 26CHS - Wall 4    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 34   | 26 Camden High Street    | 26CHS - Wall 5    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 35   | 24 Camden High Street    | 24CHS - Wall 1    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 36   | 24 Camden High Street    | 24CHS - Wall 2    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |
| 37   | 24 Camden High Street    | 24CHS - Wall 3    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 38   | 24 Camden High Street    | 24CHS - Wall 4    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 39   | 24 Camden High Street    | 24CHS - Wall 5    | 18.500         | Yes                                        | 2110.5                                     | 18.500                                              | 18.500                                     | 527.64                                     | 9.2500                                              |
| 40   | 34 Camden High Street    | 34CHS - Wall 5    | 4.5000         | Yes                                        | 30.375                                     | 4.5000                                              | 4.5000                                     | 7.5938                                     | 2.2500                                              |

## Warnings

- Multiple excavations have been specified. Displacements resulting from each excavation are summed with no account taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- If an embedded wall excavation is assigned a 'surface' ground movement curve and if the 'allow movement calculation to level' option is checked for the excavation then displacements induced by it are calculated for points at the surface, and points below the surface to the level specified. Others are ignored. An example of such a combination, for which displacements will not be calculated is Excavation XP1/Side 1/Grd 1/Vertical. This is an example only. There are 15 others.

## Errors

None

## Displacement Results - Displacement Lines

| Stage: Ref. | Stage: Name  | Disp. Line: Ref. | Disp. Line: Name | Chainage | x        | y        | z         | δx       | δy        | δz        | δH//      | δHperp. | Angle |
|-------------|--------------|------------------|------------------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|---------|-------|
|             |              |                  |                  |          | [m]      | [m]      | [m]       | [m]      | [mm]      | [mm]      | [mm]      | [mm]    | [°]   |
| 0           | Base Model 1 | 1                | 8KT - Wall 1     | 0.0      | 68.35000 | 50.00000 | -1.00000  | -0.89948 | 0.0       | 0.26081   | -0.89948  | 0.0     | 0.0   |
|             |              |                  |                  | 0.86750  | 69.21750 | 50.00000 | -1.00000  | -0.68152 | 0.0       | 0.13475   | -0.68152  | 0.0     | 0.0   |
|             |              |                  |                  | 1.7350   | 70.08500 | 50.00000 | -1.00000  | -0.46356 | 0.0       | 0.064753  | -0.46356  | 0.0     | 0.0   |
|             |              |                  |                  | 2.6025   | 70.95250 | 50.00000 | -1.00000  | -0.24560 | 0.0       | 0.033380  | -0.24560  | 0.0     | 0.0   |
|             | 2            | 8KT - Wall 2     | 3.4700           | 71.82000 | 50.00000 | -1.00000 | -0.027638 | 0.0      | 0.0067995 | -0.027638 | 0.0       | 0.0     |       |
|             |              |                  | 0.0              | 71.87000 | 50.00000 | -1.00000 | -0.015075 | 0.0      | 0.0044445 | 0.0       | -0.015075 | 270.00  |       |
|             |              |                  | 0.96000          | 71.87000 | 49.04000 | -1.00000 | -0.022500 | 0.0      | 0.0066336 | 0.0       | -0.022500 | 270.00  |       |
|             |              |                  | 1.9200           | 71.87000 | 48.08000 | -1.00000 | -0.022500 | 0.0      | 0.0066336 | 0.0       | -0.022500 | 270.00  |       |
|             | 3            | 8KT - Wall 3     | 0.0              | 71.87000 | 48.03000 | -1.00000 | -0.022500 | 0.0      | 0.0066336 | -0.022500 | 0.0       | 0.0     |       |
|             |              |                  | 0.94333          | 72.81333 | 48.03000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 0.0     |       |
|             |              |                  | 1.8867           | 73.75667 | 48.03000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 0.0     |       |
|             |              |                  | 2.8300           | 74.70000 | 48.03000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 0.0     |       |
|             | 4            | 8KT - Wall 4     | 0.0              | 74.70000 | 47.97000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 0.99250          | 74.70000 | 46.97750 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 1.9850           | 74.70000 | 45.98500 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 2.9775           | 74.70000 | 44.99250 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 3.9700           | 74.70000 | 44.00000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 4.9625           | 74.70000 | 43.00750 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 5.9550           | 74.70000 | 42.01500 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 6.9475           | 74.70000 | 41.02250 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 7.9400           | 74.70000 | 40.03000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 8.9325           | 74.70000 | 39.03750 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 9.9250           | 74.70000 | 38.04500 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 10.918           | 74.70000 | 37.05250 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 11.910           | 74.70000 | 36.06000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 12.903           | 74.70000 | 35.06750 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 13.895           | 74.70000 | 34.07500 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 14.888           | 74.70000 | 33.08250 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 15.880           | 74.70000 | 32.09000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 16.872           | 74.70000 | 31.09750 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 17.865           | 74.70000 | 30.10500 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 18.857           | 74.70000 | 29.11250 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 19.850           | 74.70000 | 28.12000 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 20.843           | 74.70000 | 27.12750 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  | 21.835           | 74.70000 | 26.13500 | -1.00000 | 0.0       | 0.0      | 0.0       | 0.0       | 0.0       | 270.00  |       |
|             |              |                  |                  |          |          |          |           |          |           |           |           |         |       |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD 138

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
|               |                     |         |
| Drg. Ref.     |                     |         |
|               |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Line:<br>Ref. | Disp. Line: Name | Chainage | x       | y        | z        | δx       | δy        | δz        | δH//      | δHperp.    | Angle    |        |
|----------------|----------------|------------------------|------------------|----------|---------|----------|----------|----------|-----------|-----------|-----------|------------|----------|--------|
|                |                |                        |                  |          | [m]     | [m]      | [m]      | [mm]     | [mm]      | [mm]      | [mm]      | [mm]       | [°]      |        |
|                |                |                        |                  |          | 22.827  | 74.70000 | 25.14250 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 270.00   |        |
|                |                |                        |                  |          | 23.820  | 74.70000 | 24.15000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 270.00   |        |
|                |                |                        |                  |          | 24.813  | 74.70000 | 23.15750 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 270.00   |        |
|                |                |                        |                  |          | 25.805  | 74.70000 | 22.16500 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 270.00   |        |
|                |                |                        |                  |          | 26.797  | 74.70000 | 21.17250 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 270.00   |        |
|                |                |                        |                  |          | 27.790  | 74.70000 | 20.18000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 270.00   |        |
|                | 5              |                        | 8KT - Wall 5     |          | 0.0     | 74.70000 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 0.92143 | 73.77857 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 1.8429  | 72.85714 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 2.7643  | 71.93571 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 3.6857  | 71.01429 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 4.6071  | 70.09286 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 5.5286  | 69.17143 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                | 6              |                        | 8KT - Wall 6     |          | 6.4500  | 68.25000 | 20.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 180.00   |        |
|                |                |                        |                  |          | 0.0     | 68.25000 | 20.20000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 0.99167 | 68.25333 | 21.19167 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 1.9833  | 68.25667 | 22.18333 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 2.9750  | 68.26000 | 23.17500 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 3.9667  | 68.26333 | 24.16667 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 4.9584  | 68.26667 | 25.15833 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 5.9500  | 68.27000 | 26.15000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 89.807   |        |
|                |                |                        |                  |          | 6.9417  | 68.27333 | 27.14167 | -1.00000 | -0.048173 | 0.058572  | 0.017268  | 0.048370   | 89.807   |        |
|                |                |                        |                  |          | 7.9334  | 68.27667 | 28.13333 | -1.00000 | -0.12376  | 0.11602   | 0.031112  | 0.11561    | 89.807   |        |
|                |                |                        |                  |          | 8.9251  | 68.28000 | 29.12500 | -1.00000 | -0.22253  | 0.15484   | 0.053930  | 0.15409    | 89.807   |        |
|                |                |                        |                  |          | 9.9167  | 68.28333 | 30.11667 | -1.00000 | -0.34258  | 0.20967   | 0.16837   | 0.34313    | 89.807   |        |
|                |                |                        |                  |          | 10.908  | 68.28667 | 31.10833 | -1.00000 | -0.48182  | 0.15837   | 0.14281   | 0.15675    | 89.807   |        |
|                |                |                        |                  |          | 11.900  | 68.29000 | 32.10000 | -1.00000 | -0.63359  | 0.12218   | 0.19799   | 0.12005    | 89.807   |        |
|                |                |                        |                  |          | 12.892  | 68.29333 | 33.09167 | -1.00000 | -0.78490  | 0.065597  | 0.24486   | 0.062959   | 89.807   |        |
|                |                |                        |                  |          | 13.883  | 68.29667 | 34.08333 | -1.00000 | -1.3625   | 0.0       | 0.40374   | -0.0045798 | 1.3625   | 89.807 |
|                |                |                        |                  |          | 14.875  | 68.30000 | 35.07500 | -1.00000 | -1.3613   | 0.0       | 0.40283   | -0.0045798 | 1.3612   | 89.807 |
|                |                |                        |                  |          | 15.867  | 68.30333 | 36.06667 | -1.00000 | -1.3600   | 0.0       | 0.40191   | -0.0045714 | 1.3600   | 89.807 |
|                |                |                        |                  |          | 16.858  | 68.30667 | 37.05833 | -1.00000 | -1.3588   | 0.0       | 0.40100   | -0.0045672 | 1.3587   | 89.807 |
|                |                |                        |                  |          | 17.850  | 68.31000 | 38.05000 | -1.00000 | -1.3575   | 0.0       | 0.40009   | -0.0045630 | 1.3575   | 89.807 |
|                |                |                        |                  |          | 18.842  | 68.31333 | 39.04167 | -1.00000 | -1.3563   | 0.0       | 0.39918   | -0.0045588 | 1.3562   | 89.807 |
|                |                |                        |                  |          | 19.834  | 68.31667 | 40.03333 | -1.00000 | -1.3550   | 0.0       | 0.39828   | -0.0045546 | 1.3550   | 89.807 |
|                |                |                        |                  |          | 20.825  | 68.32000 | 41.02500 | -1.00000 | -1.3538   | 0.0       | 0.39737   | -0.0045504 | 1.3537   | 89.807 |
|                |                |                        |                  |          | 21.817  | 68.32333 | 42.01667 | -1.00000 | -1.3525   | 0.0       | 0.39647   | -0.0045462 | 1.3525   | 89.807 |
|                |                |                        |                  |          | 22.808  | 68.32667 | 43.00833 | -1.00000 | -1.3513   | 0.0       | 0.39556   | -0.0045420 | 1.3512   | 89.807 |
|                |                |                        |                  |          | 23.800  | 68.33000 | 44.00000 | -1.00000 | -1.3500   | 0.0       | 0.39466   | -0.0045378 | 1.3500   | 89.807 |
|                |                |                        |                  |          | 24.792  | 68.33333 | 45.09167 | -1.00000 | -1.3488   | 0.0       | 0.39376   | -0.0045336 | 1.3487   | 89.807 |
|                |                |                        |                  |          | 25.783  | 68.33667 | 46.08333 | -1.00000 | -1.3475   | 0.0       | 0.39286   | -0.0045294 | 1.3475   | 89.807 |
|                |                |                        |                  |          | 26.775  | 68.34000 | 47.07500 | -1.00000 | -1.3463   | 0.0       | 0.39196   | -0.0045252 | 1.3462   | 89.807 |
|                |                |                        |                  |          | 27.767  | 68.34333 | 48.06667 | -1.00000 | -1.3450   | 0.0       | 0.39107   | -0.0045210 | 1.3450   | 89.807 |
|                |                |                        |                  |          | 28.758  | 68.34667 | 49.05833 | -1.00000 | -1.3438   | 0.0       | 0.39017   | -0.0045168 | 1.3437   | 89.807 |
|                |                |                        |                  |          | 29.750  | 68.35000 | 50.05000 | -1.00000 | -1.3425   | 0.0       | 0.38928   | -0.0045126 | 1.3425   | 89.807 |
|                | 7              |                        | 9KT - Wall 1     |          | 0.0     | 62.13000 | 34.00000 | -1.00000 | 0.0       | 3.2593    | 1.4733    | -3.2593    | 0.0      | 270.00 |
|                |                |                        |                  |          | 0.96333 | 62.13000 | 33.03667 | -1.00000 | 0.0       | 2.8021    | 1.5086    | -2.8021    | 0.0      | 270.00 |
|                |                |                        |                  |          | 1.9267  | 62.13000 | 32.07333 | -1.00000 | 0.0       | 2.3449    | 1.3279    | -2.3449    | 0.0      | 270.00 |
|                |                |                        |                  |          | 2.8900  | 62.13000 | 31.11000 | -1.00000 | 0.0       | 1.8877    | 1.0911    | -1.8877    | 0.0      | 270.00 |
|                |                |                        |                  |          | 3.8533  | 62.13000 | 30.14667 | -1.00000 | 0.0       | 1.4815    | 0.82820   | -1.4815    | 0.0      | 270.00 |
|                |                |                        |                  |          | 4.8167  | 62.13000 | 29.18333 | -1.00000 | 0.0       | 1.2395    | 0.56654   | -1.2395    | 0.0      | 270.00 |
|                |                |                        |                  |          | 5.7800  | 62.13000 | 28.22000 | -1.00000 | 0.0       | 0.99746   | 0.33664   | -0.99746   | 0.0      | 270.00 |
|                | 8              |                        | 9KT - Wall 2     |          | 0.0     | 62.13000 | 28.17000 | -1.00000 | 0.0       | 0.98490   | 0.32629   | 0.0        | -0.98490 | 180.00 |
|                |                |                        |                  |          | 1.0500  | 61.08000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                |                |                        |                  |          | 2.1000  | 60.03000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                |                |                        |                  |          | 3.1500  | 58.98000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                |                |                        |                  |          | 4.2000  | 57.93000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                |                |                        |                  |          | 5.2500  | 56.88000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                |                |                        |                  |          | 6.3000  | 55.83000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                |                |                        |                  |          | 7.3500  | 54.78000 | 28.17000 | -1.00000 | 0.0       | 1.4700    | 0.48700   | 0.0        | -1.4700  | 180.00 |
|                | 9              |                        | 9KT - Wall 3     |          | 0.0     | 54.78000 | 28.22000 | -1.00000 | 0.0       | 1.4888    | 0.50245   | 1.4888     | 0.0      | 90.000 |
|                |                |                        |                  |          | 0.96333 | 54.78000 | 29.18333 | -1.00000 | 0.0       | 1.8500    | 0.84558   | 1.8500     | 0.0      | 90.000 |
|                |                |                        |                  |          | 1.9267  | 54.78000 | 30.14667 | -1.00000 | 0.0       | 2.2113    | 1.2361    | 2.2113     | 0.0      | 90.000 |
|                |                |                        |                  |          | 2.8900  | 54.78000 | 31.11000 | -1.00000 | 0.0       | 2.8175    | 1.6285    | 2.8175     | 0.0      | 90.000 |
|                |                |                        |                  |          | 3.8533  | 54.78000 | 32.07333 | -1.00000 | 0.0       | 3.4999    | 1.9820    | 3.4999     | 0.0      | 90.000 |
|                |                |                        |                  |          | 4.8167  | 54.78000 | 33.03667 | -1.00000 | 0.0       | 4.1822    | 2.2517    | 4.1822     | 0.0      | 90.000 |
|                |                |                        |                  |          | 5.7800  | 54.78000 | 34.00000 | -1.00000 | 0.0       | 4.8646    | 2.1989    | 4.8646     | 0.0      | 90.000 |
|                | 10             |                        | 7KT - Wall 1     |          | 0.0     | 62.13000 | 28.12000 | -1.00000 | 0.0       | 0.97234   | 0.31612   | -0.97234   | 0.0      | 270.00 |
|                |                |                        |                  |          | 0.96333 | 62.13000 | 27.15667 | -1.00000 | 0.0       | 0.73030   | 0.15780   | -0.73030   | 0.0      | 270.00 |
|                |                |                        |                  |          | 1.9267  | 62.13000 | 26.19333 | -1.00000 | 0.0       | 0.48826   | 0.070277  | -0.48826   | 0.0      | 270.00 |
|                |                |                        |                  |          | 2.8900  | 62.13000 | 25.23000 | -1.00000 | 0.0       | 0.24623   | 0.033443  | -0.24623   | 0.0      | 270.00 |
|                |                |                        |                  |          | 3.8533  | 62.13000 | 24.26667 | -1.00000 | 0.0       | 0.0041875 | 0.0022765 | -0.0041875 | 0.0      | 270.00 |
|                |                |                        |                  |          | 4.8167  | 62.13000 | 23.30333 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        | 0.0      | 270.00 |
|                |                |                        |                  |          | 5.7800  | 62.13000 |          |          |           |           |           |            |          |        |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

| Job No.    | Sheet No.        | Rev.    |
|------------|------------------|---------|
| L20138     |                  |         |
| Drg. Ref.  |                  |         |
| Made by AT | Date 25-May-2021 | Checked |

| Stage: Ref. | Stage: Name | Disp. Line: Ref. | Disp. Line: Name | Chainage | x       | y        | z        | δx       | δy      | δz      | δH//     | δHperp.  | Angle         |
|-------------|-------------|------------------|------------------|----------|---------|----------|----------|----------|---------|---------|----------|----------|---------------|
|             |             |                  |                  |          | [m]     | [m]      | [m]      | [mm]     | [mm]    | [mm]    | [mm]     | [mm]     | [°]           |
|             |             |                  |                  |          | 5.3250  | 45.72000 | 39.37500 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 5.9906  | 45.72000 | 38.70938 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 6.6563  | 45.72000 | 38.04375 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 7.3219  | 45.72000 | 37.37812 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 7.9875  | 45.72000 | 36.71250 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 8.6531  | 45.72000 | 36.04688 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 9.3188  | 45.72000 | 35.38125 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 9.9844  | 45.72000 | 34.71562 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 10.650  | 45.72000 | 34.05000 | -1.00000 | 1.3869  | 0.0     | 0.72521  | 0.0      | 1.3869 270.00 |
|             |             |                  |                  |          | 0.0     | 45.72000 | 44.70000 | -1.00000 | 2.0700  | 0.0     | 1.0824   | -2.0700  | 0.0 180.00    |
|             |             |                  |                  |          | 1.0154  | 44.70462 | 44.70000 | -1.00000 | 1.6892  | 0.0     | 0.68329  | -1.6892  | 0.0 180.00    |
|             |             |                  |                  |          | 2.0308  | 43.68923 | 44.70000 | -1.00000 | 1.3085  | 0.0     | 0.36542  | -1.3085  | 0.0 180.00    |
|             |             |                  |                  |          | 3.0462  | 42.67385 | 44.70000 | -1.00000 | 0.92769 | 0.0     | 0.16469  | -0.92769 | 0.0 180.00    |
|             |             |                  |                  |          | 4.0615  | 41.65846 | 44.70000 | -1.00000 | 0.54692 | 0.0     | 0.071101 | -0.54692 | 0.0 180.00    |
|             |             |                  |                  |          | 5.0769  | 40.64308 | 44.70000 | -1.00000 | 0.16615 | 0.0     | 0.028770 | -0.16615 | 0.0 180.00    |
|             |             |                  |                  |          | 6.0923  | 39.62769 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 7.1077  | 38.61231 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 8.1231  | 37.59692 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 9.1385  | 36.58154 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 10.154  | 35.56615 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 11.169  | 34.55077 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 12.185  | 33.53538 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 12.185  | 33.53538 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 13.200  | 32.52000 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 0.0     | 45.72000 | 34.05000 | -1.00000 | 1.3869  | 0.0     | 0.72521  | -1.3869  | 0.0 180.00    |
|             |             |                  |                  |          | 1.0154  | 44.70462 | 34.05000 | -1.00000 | 1.1318  | 0.0     | 0.45780  | -1.1318  | 0.0 180.00    |
|             |             |                  |                  |          | 2.0308  | 43.68923 | 34.05000 | -1.00000 | 0.87667 | 0.0     | 0.24483  | -0.87667 | 0.0 180.00    |
|             |             |                  |                  |          | 3.0462  | 42.67385 | 34.05000 | -1.00000 | 0.62155 | 0.0     | 0.11034  | -0.62155 | 0.0 180.00    |
|             |             |                  |                  |          | 4.0615  | 41.65846 | 34.05000 | -1.00000 | 0.36644 | 0.0     | 0.047638 | -0.36644 | 0.0 180.00    |
|             |             |                  |                  |          | 5.0769  | 40.64308 | 34.05000 | -1.00000 | 0.11132 | 0.0     | 0.019276 | -0.11132 | 0.0 180.00    |
|             |             |                  |                  |          | 6.0923  | 39.62769 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 7.1077  | 38.61231 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 8.1231  | 37.59692 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 9.1385  | 36.58154 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 10.154  | 35.56615 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 11.169  | 34.55077 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 12.185  | 33.53538 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 13.200  | 32.52000 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 0.0     | 32.52000 | 34.05000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 0.66562 | 32.52000 | 34.71562 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 1.3312  | 32.52000 | 35.38125 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 1.9969  | 32.52000 | 36.04688 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 2.6625  | 32.52000 | 36.71250 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 3.3281  | 32.52000 | 37.37812 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 3.9938  | 32.52000 | 38.04375 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 4.6594  | 32.52000 | 38.70938 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 5.3250  | 32.52000 | 39.37500 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 5.9906  | 32.52000 | 40.04062 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 6.6563  | 32.52000 | 40.70625 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 7.3219  | 32.52000 | 41.37188 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 7.9875  | 32.52000 | 42.03750 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 8.6531  | 32.52000 | 42.70313 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 9.3188  | 32.52000 | 43.36875 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 9.9844  | 32.52000 | 44.03438 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 10.650  | 32.52000 | 44.70000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 90.000    |
|             |             |                  |                  |          | 0.0     | 50.00000 | 50.00000 | -1.00000 | 1.6415  | -1.6415 | 1.4606   | -1.6415  | 1.6415 180.00 |
|             |             |                  |                  |          | 1.0700  | 48.93000 | 50.00000 | -1.00000 | 1.5017  | 0.0     | 2.7752   | 0.0      | 1.5017 180.00 |
|             |             |                  |                  |          | 2.1400  | 47.86000 | 50.00000 | -1.00000 | 2.2674  | 0.0     | 1.2895   | -2.2674  | 0.0 180.00    |
|             |             |                  |                  |          | 3.2100  | 46.79000 | 50.00000 | -1.00000 | 1.7596  | 0.0     | 1.0207   | -1.7596  | 0.0 180.00    |
|             |             |                  |                  |          | 4.2800  | 45.72000 | 50.00000 | -1.00000 | 1.3869  | 0.0     | 0.72521  | -1.3869  | 0.0 180.00    |
|             |             |                  |                  |          | 5.3500  | 45.72000 | 50.00000 | -1.00000 | 0.0     | 0.0     | 0.72521  | 0.0      | 1.3869 270.00 |
|             |             |                  |                  |          | 1.0600  | 45.72000 | 48.94000 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 2.1200  | 45.72000 | 47.88000 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 3.1800  | 45.72000 | 46.82000 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 4.2400  | 45.72000 | 45.76000 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 5.3000  | 45.72000 | 44.70000 | -1.00000 | 2.0700  | 0.0     | 1.0824   | 0.0      | 2.0700 270.00 |
|             |             |                  |                  |          | 0.0     | 45.72000 | 50.00000 | -1.00000 | 1.3869  | 0.0     | 0.72521  | -1.3869  | 0.0 180.00    |
|             |             |                  |                  |          | 1.0154  | 44.70462 | 50.00000 | -1.00000 | 1.1318  | 0.0     | 0.45780  | -1.1318  | 0.0 180.00    |
|             |             |                  |                  |          | 2.0308  | 43.68923 | 50.00000 | -1.00000 | 0.87667 | 0.0     | 0.24483  | -0.87667 | 0.0 180.00    |
|             |             |                  |                  |          | 3.0462  | 42.67385 | 50.00000 | -1.00000 | 0.62155 | 0.0     | 0.11034  | -0.62155 | 0.0 180.00    |
|             |             |                  |                  |          | 4.0615  | 41.65846 | 50.00000 | -1.00000 | 0.36644 | 0.0     | 0.047638 | -0.36644 | 0.0 180.00    |
|             |             |                  |                  |          | 5.0769  | 40.64308 | 50.00000 | -1.00000 | 0.11132 | 0.0     | 0.019276 | -0.11132 | 0.0 180.00    |
|             |             |                  |                  |          | 6.0923  | 39.62769 | 50.00000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 7.1077  | 38.61231 | 50.00000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 8.1231  | 37.59692 | 50.00000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 9.1385  | 36.58154 | 50.00000 | -1.00000 | 0.0     | 0.0     | 0.0      | 0.0      | 0.0 180.00    |
|             |             |                  |                  |          | 10.154  | 35.56615 | 50.00000 | -1.0000  |         |         |          |          |               |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
|               |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage: Ref. | Stage: Name | Disp. Line: Ref. | Disp. Line: Name | Chainage | x       | y        | z        | δx       | δy        | δz        | δH//      | δHperp.   | Angle      |        |
|-------------|-------------|------------------|------------------|----------|---------|----------|----------|----------|-----------|-----------|-----------|-----------|------------|--------|
|             |             |                  |                  |          | [m]     | [m]      | [m]      | [mm]     | [mm]      | [mm]      | [mm]      | [mm]      | [°]        |        |
|             |             |                  |                  |          | 3.0462  | 42.67385 | 28.17000 | -1.00000 | 0.046945  | 0.032778  | 0.014153  | -0.046945 | -0.032778  | 180.00 |
|             |             |                  |                  |          | 4.0615  | 41.65846 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 5.0769  | 40.64308 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 6.0923  | 39.62769 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 7.1077  | 38.61231 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 8.1231  | 37.59692 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 9.1385  | 36.58154 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 10.154  | 35.56615 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 11.169  | 34.55077 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 12.185  | 33.53538 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 13.200  | 32.52000 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             | 34          | 26CHS - Wall 5   |                  |          | 0.0     | 32.52000 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 0.98000 | 32.52000 | 29.15000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 1.9600  | 32.52000 | 30.13000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 2.9400  | 32.52000 | 31.11000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 3.9200  | 32.52000 | 32.09000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 4.9000  | 32.52000 | 33.07000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 5.8800  | 32.52000 | 34.05000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             | 35          | 24CHS - Wall 1   |                  |          | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.0       | 1.4790    | 0.48700   | -1.4790   | 0.0        | 270.00 |
|             |             |                  |                  |          | 0.96667 | 52.68000 | 27.29333 | -1.00000 | 0.0       | 1.1075    | 0.24444   | -1.1075   | 0.0        | 270.00 |
|             |             |                  |                  |          | 1.9333  | 52.68000 | 26.23667 | -1.00000 | 0.0       | 0.74500   | 0.10878   | -0.74500  | 0.0        | 270.00 |
|             |             |                  |                  |          | 2.9000  | 52.68000 | 25.27000 | -1.00000 | 0.0       | 0.38250   | 0.051440  | -0.38250  | 0.0        | 270.00 |
|             |             |                  |                  |          | 3.8667  | 52.68000 | 24.30333 | -1.00000 | 0.0       | 0.020000  | 0.0061476 | -0.020000 | 0.0        | 270.00 |
|             |             |                  |                  |          | 4.8333  | 52.68000 | 23.33667 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             |             |                  |                  |          | 5.8000  | 52.68000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             | 36          | 24CHS - Wall 2   |                  |          | 0.0     | 52.68000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 0.99429 | 51.68571 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 1.9886  | 50.69143 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 2.9829  | 49.69714 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 3.9771  | 48.70286 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 4.9714  | 47.70857 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 5.9657  | 46.71429 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 6.9600  | 45.72000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             | 37          | 24CHS - Wall 3   |                  |          | 0.0     | 45.72000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 0.96667 | 45.72000 | 23.33667 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 1.9333  | 45.72000 | 24.30333 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 2.9000  | 45.72000 | 25.27000 | -1.00000 | 0.0017520 | 0.0051870 | 0.0026251 | 0.0051870 | -0.0017520 | 90.000 |
|             |             |                  |                  |          | 3.8667  | 45.72000 | 26.23667 | -1.00000 | 0.053311  | 0.13435   | 0.026163  | 0.13435   | -0.053311  | 90.000 |
|             |             |                  |                  |          | 4.8333  | 45.72000 | 27.29333 | -1.00000 | 0.11508   | 0.24023   | 0.048134  | 0.24023   | -0.11508   | 90.000 |
|             |             |                  |                  |          | 5.8000  | 45.72000 | 28.17000 | -1.00000 | 0.18991   | 0.31609   | 0.091973  | 0.31609   | -0.18991   | 90.000 |
|             | 38          | 24CHS - Wall 4   |                  |          | 0.0     | 45.72000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 1.0154  | 44.70462 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 2.0308  | 43.68923 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 3.0462  | 42.67385 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 4.0615  | 41.65846 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 5.0769  | 40.64308 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 6.0923  | 39.62769 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 7.1077  | 38.61231 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 8.1231  | 37.59692 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 9.1385  | 36.58154 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 10.154  | 35.56615 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 11.169  | 34.55077 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 12.185  | 33.53538 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             |             |                  |                  |          | 13.200  | 32.52000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 180.00 |
|             | 39          | 24CHS - Wall 5   |                  |          | 0.0     | 32.52000 | 28.17000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 90.000 |
|             |             |                  |                  |          | 0.96667 | 32.52000 | 27.29333 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             |             |                  |                  |          | 1.9333  | 32.52000 | 26.23667 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             |             |                  |                  |          | 2.9000  | 32.52000 | 25.27000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             |             |                  |                  |          | 3.8667  | 32.52000 | 24.30333 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             |             |                  |                  |          | 4.8333  | 32.52000 | 23.33667 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             |             |                  |                  |          | 5.8000  | 32.52000 | 22.37000 | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0       | 0.0        | 270.00 |
|             | 40          | 34CHS - Wall 5   |                  |          | 0.0     | 50.00000 | 55.67000 | -1.00000 | 0.0       | -1.0377   | 0.37095   | 1.0377    | 0.0        | 270.00 |
|             |             |                  |                  |          | 1.4175  | 50.00000 | 54.25250 | -1.00000 | 0.0       | -1.3938   | 0.73276   | 1.3938    | 0.0        | 270.00 |
|             |             |                  |                  |          | 2.8350  | 50.00000 | 52.83500 | -1.00000 | 0.0       | -1.9376   | 1.1179    | 1.9376    | 0.0        | 270.00 |
|             |             |                  |                  |          | 4.2525  | 50.00000 | 51.41750 | -1.00000 | 0.0       | -2.6103   | 1.4467    | 2.6103    | 0.0        | 270.00 |
|             |             |                  |                  |          | 5.6700  | 50.00000 | 50.00000 | -1.00000 | 1.6415    | -1.6415   | 1.4606    | 1.6415    | 1.6415     | 270.00 |

## Displacement Results - Displacement Grids

| Stage: Ref. | Stage: Name  | Disp. Grid: Ref. | Disp. Grid: Name | x        | y       | z       | δx   | δy   | δz   |
|-------------|--------------|------------------|------------------|----------|---------|---------|------|------|------|
|             |              |                  |                  | [m]      | [m]     | [m]     | [mm] | [mm] | [mm] |
| 0           | Base Model 1 | Grid 1           |                  | 0.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 1.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 2.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 3.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 4.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 5.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 6.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 7.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 8.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 9.00000  | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 10.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 11.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 12.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 13.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 14.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 15.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 16.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 17.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 18.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 19.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 20.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 21.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 22.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 23.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 24.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 25.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 26.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 27.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 28.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 29.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 30.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 31.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 32.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 33.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 34.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 35.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 36.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 37.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 38.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 39.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |              |                  |                  | 40.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.   |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y       | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|---------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]     | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 65.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 0.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 1.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y       | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|---------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]     | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 44.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 2.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 3.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y       | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|---------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]     | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 23.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 4.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 5.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage: Ref. | Stage: Name | Disp. Grid: Ref. | Disp. Grid: Name | x        | y       | z       | δx   | δy   | δz   |
|-------------|-------------|------------------|------------------|----------|---------|---------|------|------|------|
|             |             |                  |                  | [m]      | [m]     | [m]     | [mm] | [mm] | [mm] |
|             |             |                  |                  | 2.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 3.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 4.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 5.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 6.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 7.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 8.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 9.00000  | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 10.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 11.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 12.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 13.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 14.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 15.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 16.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 17.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 18.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 19.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 20.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 21.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 22.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 23.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 24.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 25.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 26.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 27.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 28.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 29.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 30.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 31.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 32.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 33.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 34.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 35.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 36.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 37.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 38.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 39.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 40.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 41.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 42.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 43.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 44.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 45.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 46.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 47.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 48.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 49.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 50.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 51.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 52.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 53.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 54.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 55.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 56.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 57.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 58.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 59.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 60.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 61.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 62.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 63.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 64.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 65.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 66.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 67.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 68.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 69.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 70.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 71.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 72.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 73.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 74.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 75.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 76.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 77.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 78.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 79.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 80.00000 | 6.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 0.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 1.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 2.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 3.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 4.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 5.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 6.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 7.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 8.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 9.00000  | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 10.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 11.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 12.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 13.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 14.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 15.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 16.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 17.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 18.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 19.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 20.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 21.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 22.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 23.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 24.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 25.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 26.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 27.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 28.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 29.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 30.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 31.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 32.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 33.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 34.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 35.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 36.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 37.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 38.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 39.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 40.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 41.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 42.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 43.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 44.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 45.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 46.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 47.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 48.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 49.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 50.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 51.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 52.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 53.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 54.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 55.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 56.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 57.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 58.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 59.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 60.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 61.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y       | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|---------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]     | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 62.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 7.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 8.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 9.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 41.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 9.00000  | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 10.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 20.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 11.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 80.00000 | 12.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 13.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 59.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 14.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 15.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 38.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 16.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 17.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 17.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 18.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 77.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 19.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 20.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 21.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



## Tabular Inputs & Outputs

**§ 17d 138**

|               |                     |         |
|---------------|---------------------|---------|
| Made by<br>AT | Date<br>25-May-2021 | Checked |
|---------------|---------------------|---------|



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 35.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 23.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 24.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 25.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx         | δy       | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------------|----------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]       | [mm]     | [mm]     |
|                |                |                        |                        | 14.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 15.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 16.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 17.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 18.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 19.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 20.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 21.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 22.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 23.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 24.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 25.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 26.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 27.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 28.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 29.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 30.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 31.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 32.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 33.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 34.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 35.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 36.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 37.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 38.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 39.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 40.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 41.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 42.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 43.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 44.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 45.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 46.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 47.00000 | 25.00000 | 0.00000 | 0.010153   | 0.049706 | 0.011876 |
|                |                |                        |                        | 48.00000 | 25.00000 | 0.00000 | 0.013982   | 0.11039  | 0.020362 |
|                |                |                        |                        | 49.00000 | 25.00000 | 0.00000 | 0.0091287  | 0.15926  | 0.025364 |
|                |                |                        |                        | 50.00000 | 25.00000 | 0.00000 | 0.0        | 0.18844  | 0.027699 |
|                |                |                        |                        | 51.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 52.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 53.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 54.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 55.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 56.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 57.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 58.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 59.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 60.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 61.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 62.00000 | 25.00000 | 0.00000 | 0.0        | 0.28125  | 0.041343 |
|                |                |                        |                        | 63.00000 | 25.00000 | 0.00000 | -0.0081026 | 0.16434  | 0.025817 |
|                |                |                        |                        | 64.00000 | 25.00000 | 0.00000 | -0.013592  | 0.11757  | 0.021175 |
|                |                |                        |                        | 65.00000 | 25.00000 | 0.00000 | -0.011210  | 0.058004 | 0.013256 |
|                |                |                        |                        | 66.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 67.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 68.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 69.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 70.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 71.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 72.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 73.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 74.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 75.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 76.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 77.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 78.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 79.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 80.00000 | 25.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 0.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 1.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 2.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 3.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 4.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 5.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 6.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 7.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 8.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 9.00000  | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 10.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 11.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 12.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 13.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 14.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 15.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 16.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 17.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 18.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 19.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 20.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 21.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 22.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 23.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 24.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 25.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 26.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 27.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 28.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 29.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 30.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 31.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 32.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 33.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 34.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 35.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 36.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 37.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 38.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 39.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 40.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 41.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 42.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 43.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 44.00000 | 26.00000 | 0.00000 | 0.0        | 0.0      | 0.0      |
|                |                |                        |                        | 45.00000 | 26.00000 | 0.00000 | 0.021468   | 0.045234 | 0.012590 |
|                |                |                        |                        | 46.00000 | 26.00000 | 0.00000 | 0.044642   | 0.12876  | 0.024871 |
|                |                |                        |                        | 47.00000 | 26.00000 | 0.00000 | 0.051488   | 0.21739  | 0.035934 |
|                |                |                        |                        | 48.00000 | 26.00000 | 0.00000 | 0.043755   | 0.30469  | 0.045487 |
|                |                |                        |                        | 49.00000 | 26.00000 | 0.00000 | 0.024904   | 0.38230  | 0.054713 |
|                |                |                        |                        | 50.00000 | 26.00000 | 0.00000 | 0.0        | 0.43969  | 0.059905 |
|                |                |                        |                        | 51.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 52.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 53.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 54.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 55.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 56.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 57.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 58.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 59.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 60.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 61.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 62.00000 | 26.00000 | 0.00000 | 0.0        | 0.65625  | 0.089410 |
|                |                |                        |                        | 63.      |          |         |            |          |          |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx        | δy       | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|-----------|----------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]      | [mm]     | [mm]     |
|                |                |                        |                        | 74.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 75.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 76.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 77.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 78.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 79.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 80.00000 | 26.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 0.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 1.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 2.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 3.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 4.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 5.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 6.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 7.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 8.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 9.00000  | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 10.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 11.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 12.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 13.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 14.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 15.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 16.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 17.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 18.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 19.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 20.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 21.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 22.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 23.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 24.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 25.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 26.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 27.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 28.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 29.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 30.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 31.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 32.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 33.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 34.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 35.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 36.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 37.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 38.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 39.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 40.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 41.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 42.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 43.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 44.00000 | 27.00000 | 0.00000 | 0.045655  | 0.059587 | 0.017149 |
|                |                |                        |                        | 45.00000 | 27.00000 | 0.00000 | 0.085192  | 0.14756  | 0.030521 |
|                |                |                        |                        | 46.00000 | 27.00000 | 0.00000 | 0.10437   | 0.25034  | 0.047722 |
|                |                |                        |                        | 47.00000 | 27.00000 | 0.00000 | 0.10269   | 0.36472  | 0.072110 |
|                |                |                        |                        | 48.00000 | 27.00000 | 0.00000 | 0.081559  | 0.48402  | 0.10031  |
|                |                |                        |                        | 49.00000 | 27.00000 | 0.00000 | 0.045066  | 0.59750  | 0.12514  |
|                |                |                        |                        | 50.00000 | 27.00000 | 0.00000 | 0.0       | 0.69094  | 0.13897  |
|                |                |                        |                        | 51.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 52.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 53.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 54.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 55.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 56.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 57.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 58.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 59.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 60.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 61.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 62.00000 | 27.00000 | 0.00000 | 0.0       | 1.0313   | 0.20742  |
|                |                |                        |                        | 63.00000 | 27.00000 | 0.00000 | -0.039521 | 0.61111  | 0.12771  |
|                |                |                        |                        | 64.00000 | 27.00000 | 0.00000 | -0.077565 | 0.49938  | 0.10391  |
|                |                |                        |                        | 65.00000 | 27.00000 | 0.00000 | -0.10098  | 0.38014  | 0.075690 |
|                |                |                        |                        | 66.00000 | 27.00000 | 0.00000 | -0.10533  | 0.26466  | 0.050502 |
|                |                |                        |                        | 67.00000 | 27.00000 | 0.00000 | -0.080862 | 0.16012  | 0.032386 |
|                |                |                        |                        | 68.00000 | 27.00000 | 0.00000 | -0.051895 | 0.070139 | 0.019006 |
|                |                |                        |                        | 69.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 70.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 71.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 72.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 73.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 74.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 75.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 76.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 77.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 78.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 79.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 80.00000 | 27.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 0.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 1.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 2.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 3.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 4.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 5.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 6.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 7.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 8.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 9.00000  | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 10.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 11.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 12.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 13.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 14.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 15.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 16.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 17.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 18.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 19.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 20.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 21.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 22.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 23.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 24.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 25.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 26.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 27.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 28.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 29.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 30.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 31.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 32.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 33.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 34.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 35.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 36.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 37.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 38.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 39.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 40.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 41.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 42.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 43.00000 | 28.00000 | 0.00000 | 0.059343  | 0.046608 | 0.017211 |
|                |                |                        |                        | 44.00000 | 28.00000 | 0.00000 | 0.11930   | 0.12100  | 0.031161 |
|                |                |                        |                        | 45.00000 | 28.00000 | 0.00000 | 0.16087   | 0.22000  | 0.054901 |
|                |                |                        |                        | 46.00000 | 28.00000 | 0.00000 | 0.17762   | 0.34159  | 0.095243 |
|                |                |                        |                        | 47.00000 | 28.00000 | 0.00000 | 0.16743   | 0.48429  | 0.15008  |
|                |                |                        |                        | 48.00000 | 28.00000 | 0.00000 | 0.13064   | 0.64181  | 0.21024  |
|                |                |                        |                        | 49.00000 | 28.00000 | 0.00000 | 0.071719  | 0.80197  | 0.26225  |
|                |                |                        |                        | 50.00000 | 28.00000 | 0.00000 | 0.0       | 0.94219  | 0.29246  |
|                |                |                        |                        | 51.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 52.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx        | δy       | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|-----------|----------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]      | [mm]     | [mm]     |
|                |                |                        |                        | 53.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 54.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 55.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 56.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 57.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 58.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 59.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 60.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 61.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 62.00000 | 28.00000 | 0.00000 | 0.0       | 1.4063   | 0.43651  |
|                |                |                        |                        | 63.00000 | 28.00000 | 0.00000 | -0.062870 | 0.82093  | 0.26767  |
|                |                |                        |                        | 64.00000 | 28.00000 | 0.00000 | -0.12408  | 0.66278  | 0.21777  |
|                |                |                        |                        | 65.00000 | 28.00000 | 0.00000 | -0.16410  | 0.50413  | 0.15786  |
|                |                |                        |                        | 66.00000 | 28.00000 | 0.00000 | -0.17785  | 0.35902  | 0.10168  |
|                |                |                        |                        | 67.00000 | 28.00000 | 0.00000 | -0.16451  | 0.23453  | 0.059219 |
|                |                |                        |                        | 68.00000 | 28.00000 | 0.00000 | -0.12600  | 0.13262  | 0.033488 |
|                |                |                        |                        | 69.00000 | 28.00000 | 0.00000 | -0.068752 | 0.055658 | 0.019185 |
|                |                |                        |                        | 70.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 71.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 72.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 73.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 74.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 75.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 76.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 77.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 78.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 79.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 80.00000 | 28.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 0.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 1.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 2.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 3.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 4.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 5.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 6.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 7.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 8.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 9.00000  | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 10.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 11.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 12.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 13.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 14.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 15.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 16.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 17.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 18.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 19.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 20.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 21.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 22.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 23.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 24.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 25.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 26.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 27.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 28.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 29.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 30.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 31.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 32.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 33.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 34.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 35.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 36.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 37.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 38.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 39.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 40.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 41.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 42.00000 | 29.00000 | 0.00000 | 0.046953  | 0.022814 | 0.013095 |
|                |                |                        |                        | 43.00000 | 29.00000 | 0.00000 | 0.14714   | 0.087171 | 0.030679 |
|                |                |                        |                        | 44.00000 | 29.00000 | 0.00000 | 0.21720   | 0.16349  | 0.055050 |
|                |                |                        |                        | 45.00000 | 29.00000 | 0.00000 | 0.25092   | 0.25520  | 0.099204 |
|                |                |                        |                        | 46.00000 | 29.00000 | 0.00000 | 0.26849   | 0.39257  | 0.17461  |
|                |                |                        |                        | 47.00000 | 29.00000 | 0.00000 | 0.25121   | 0.56440  | 0.27083  |
|                |                |                        |                        | 48.00000 | 29.00000 | 0.00000 | 0.19663   | 0.76722  | 0.37342  |
|                |                |                        |                        | 49.00000 | 29.00000 | 0.00000 | 0.10855   | 0.98643  | 0.46298  |
|                |                |                        |                        | 50.00000 | 29.00000 | 0.00000 | 0.0       | 1.1934   | 0.51901  |
|                |                |                        |                        | 51.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 52.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 53.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 54.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 55.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 56.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 57.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 58.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 59.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 60.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 61.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 62.00000 | 29.00000 | 0.00000 | 0.0       | 1.7813   | 0.77464  |
|                |                |                        |                        | 63.00000 | 29.00000 | 0.00000 | -0.095215 | 1.0148   | 0.47257  |
|                |                |                        |                        | 64.00000 | 29.00000 | 0.00000 | -0.18689  | 0.79526  | 0.38625  |
|                |                |                        |                        | 65.00000 | 29.00000 | 0.00000 | -0.24622  | 0.58919  | 0.28418  |
|                |                |                        |                        | 66.00000 | 29.00000 | 0.00000 | -0.26831  | 0.41295  | 0.18518  |
|                |                |                        |                        | 67.00000 | 29.00000 | 0.00000 | -0.25500  | 0.27116  | 0.10751  |
|                |                |                        |                        | 68.00000 | 29.00000 | 0.00000 | -0.22372  | 0.17441  | 0.059579 |
|                |                |                        |                        | 69.00000 | 29.00000 | 0.00000 | -0.15810  | 0.096366 | 0.033008 |
|                |                |                        |                        | 70.00000 | 29.00000 | 0.00000 | -0.061456 | 0.030583 | 0.015874 |
|                |                |                        |                        | 71.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 72.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 73.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 74.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 75.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 76.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 77.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 78.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 79.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 80.00000 | 29.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 0.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 1.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 2.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 3.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 4.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 5.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 6.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 7.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 8.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 9.00000  | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 10.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 11.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 12.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 13.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 14.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 15.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 16.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 17.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 18.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 19.00000 | 30.00000 | 0.00000 | 0.0       | 0.0      | 0.0      |
|                |                |                        |                        | 20.00000 | 30.00000 | 0.00000 | 0         |          |          |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y         | z       | δx         | δy        | δz        |
|----------------|----------------|------------------------|------------------------|----------|-----------|---------|------------|-----------|-----------|
|                |                |                        |                        | [m]      | [m]       | [m]     | [mm]       | [mm]      | [mm]      |
|                |                |                        |                        | 32.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 33.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 34.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 35.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 36.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 37.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 38.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 39.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 40.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 41.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 42.00000 | 30.00000  | 0.00000 | 0.13105    | 0.046612  | 0.025270  |
|                |                |                        |                        | 43.00000 | 30.00000  | 0.00000 | 0.25019    | 0.10724   | 0.048280  |
|                |                |                        |                        | 44.00000 | 30.00000  | 0.00000 | 0.33852    | 0.18151   | 0.095988  |
|                |                |                        |                        | 45.00000 | 30.00000  | 0.00000 | 0.38611    | 0.27350   | 0.17481   |
|                |                |                        |                        | 46.00000 | 30.00000  | 0.00000 | 0.38205    | 0.39021   | 0.27391   |
|                |                |                        |                        | 47.00000 | 30.00000  | 0.00000 | 0.36224    | 0.58737   | 0.41412   |
|                |                |                        |                        | 48.00000 | 30.00000  | 0.00000 | 0.28926    | 0.84141   | 0.56248   |
|                |                |                        |                        | 49.00000 | 30.00000  | 0.00000 | 0.16263    | 1.1409    | 0.69593   |
|                |                |                        |                        | 50.00000 | 30.00000  | 0.00000 | 0.0        | 1.4447    | 0.78830   |
|                |                |                        |                        | 51.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 52.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 53.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 54.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 55.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 56.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 57.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 58.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 59.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 60.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 61.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 62.00000 | 30.00000  | 0.00000 | 0.0        | 2.1563    | 1.1766    |
|                |                |                        |                        | 63.00000 | 30.00000  | 0.00000 | -0.14290   | 1.1814    | 0.71084   |
|                |                |                        |                        | 64.00000 | 30.00000  | 0.00000 | -0.27568   | 0.87832   | 0.58121   |
|                |                |                        |                        | 65.00000 | 30.00000  | 0.00000 | -0.35589   | 0.61719   | 0.43339   |
|                |                |                        |                        | 66.00000 | 30.00000  | 0.00000 | -0.38220   | 0.41272   | 0.29098   |
|                |                |                        |                        | 67.00000 | 30.00000  | 0.00000 | -0.38855   | 0.28701   | 0.18687   |
|                |                |                        |                        | 68.00000 | 30.00000  | 0.00000 | -0.34726   | 0.19237   | 0.10457   |
|                |                |                        |                        | 69.00000 | 30.00000  | 0.00000 | -0.26359   | 0.11605   | 0.052736  |
|                |                |                        |                        | 70.00000 | 30.00000  | 0.00000 | -0.14800   | 0.053840  | 0.027647  |
|                |                |                        |                        | 71.00000 | 30.00000  | 0.00000 | -0.0981245 | 0.0025121 | 0.0033709 |
|                |                |                        |                        | 72.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 73.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 74.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 75.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 76.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 77.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 78.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 79.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 80.00000 | 30.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 0.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 1.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 2.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 3.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 4.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 5.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 6.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 7.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 8.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 9.00000  | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 10.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 11.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 12.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 13.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 14.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 15.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 16.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 17.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 18.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 19.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 20.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 21.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 22.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 23.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 24.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 25.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 26.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 27.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 28.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 29.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 30.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 31.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 32.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 33.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 34.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 35.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 36.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 37.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 38.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 39.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 40.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 41.00000 | 31.00000  | 0.00000 | 0.055205   | 0.011593  | 0.012896  |
|                |                |                        |                        | 42.00000 | 31.00000  | 0.00000 | 0.22068    | 0.053839  | 0.035689  |
|                |                |                        |                        | 43.00000 | 31.00000  | 0.00000 | 0.36545    | 0.10616   | 0.073501  |
|                |                |                        |                        | 44.00000 | 31.00000  | 0.00000 | 0.48169    | 0.17230   | 0.15212   |
|                |                |                        |                        | 45.00000 | 31.00000  | 0.00000 | 0.55760    | 0.25781   | 0.27248   |
|                |                |                        |                        | 46.00000 | 31.00000  | 0.00000 | 0.57529    | 0.37091   | 0.41378   |
|                |                |                        |                        | 47.00000 | 31.00000  | 0.00000 | 0.51223    | 0.52683   | 0.54352   |
|                |                |                        |                        | 48.00000 | 31.00000  | 0.00000 | 0.42797    | 0.83308   | 0.72938   |
|                |                |                        |                        | 49.00000 | 31.00000  | 0.00000 | 0.26487    | 1.3147    | 0.91624   |
|                |                |                        |                        | 50.00000 | 31.00000  | 0.00000 | 0.0        | 1.8355    | 1.0627    |
|                |                |                        |                        | 51.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 52.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 53.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 54.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 55.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 56.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 57.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 58.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 59.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 60.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 61.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 62.00000 | 31.00000  | 0.00000 | 0.0        | 2.7396    | 1.5862    |
|                |                |                        |                        | 63.00000 | 31.00000  | 0.00000 | -0.23469   | 1.3835    | 0.93830   |
|                |                |                        |                        | 64.00000 | 31.00000  | 0.00000 | -0.41420   | 0.88927   | 0.75517   |
|                |                |                        |                        | 65.00000 | 31.00000  | 0.00000 | -0.50576   | 0.56353   | 0.56743   |
|                |                |                        |                        | 66.00000 | 31.00000  | 0.00000 | -0.57205   | 0.38820   | 0.43190   |
|                |                |                        |                        | 67.00000 | 31.00000  | 0.00000 | -0.56366   | 0.27074   | 0.29032   |
|                |                |                        |                        | 68.00000 | 31.00000  | 0.00000 | -0.49415   | 0.18218   | 0.16566   |
|                |                |                        |                        | 69.00000 | 31.00000  | 0.00000 | -0.38238   | 0.11388   | 0.081156  |
|                |                |                        |                        | 70.00000 | 31.00000  | 0.00000 | -0.24680   | 0.060005  | 0.030947  |
|                |                |                        |                        | 71.00000 | 31.00000  | 0.00000 | -0.077680  | 0.016614  | 0.016577  |
|                |                |                        |                        | 72.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 73.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 74.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 75.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 76.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 77.00000 | 31.00000  | 0.00000 | 0.0        | 0.0       | 0.0       |
|                |                |                        |                        | 78.00000 | 31.000000 |         |            |           |           |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx       | δy       | δz       |
|----------------|----------------|---------------|------------------------|----------|----------|---------|----------|----------|----------|
|                |                |               |                        | [m]      | [m]      | [m]     | [mm]     | [mm]     | [mm]     |
|                |                |               |                        | 11.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 12.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 13.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 14.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 15.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 16.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 17.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 18.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 19.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 20.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 21.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 22.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 23.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 24.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 25.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 26.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 27.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 28.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 29.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 30.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 31.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 32.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 33.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 34.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 35.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 36.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 37.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 38.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 39.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 40.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 41.00000 | 32.00000 | 0.00000 | 0.11751  | 0.015224 | 0.021302 |
|                |                |               |                        | 42.00000 | 32.00000 | 0.00000 | 0.38976  | 0.046158 | 0.046656 |
|                |                |               |                        | 43.00000 | 32.00000 | 0.00000 | 0.48646  | 0.085220 | 0.10295  |
|                |                |               |                        | 44.00000 | 32.00000 | 0.00000 | 0.64079  | 0.13595  | 0.21423  |
|                |                |               |                        | 45.00000 | 32.00000 | 0.00000 | 0.76150  | 0.20418  | 0.37749  |
|                |                |               |                        | 46.00000 | 32.00000 | 0.00000 | 0.82909  | 0.29992  | 0.56443  |
|                |                |               |                        | 47.00000 | 32.00000 | 0.00000 | 0.81288  | 0.44388  | 0.72717  |
|                |                |               |                        | 48.00000 | 32.00000 | 0.00000 | 0.70655  | 0.73679  | 0.83317  |
|                |                |               |                        | 49.00000 | 32.00000 | 0.00000 | 0.47447  | 1.4034   | 1.0714   |
|                |                |               |                        | 50.00000 | 32.00000 | 0.00000 | 0.0      | 2.3101   | 1.3108   |
|                |                |               |                        | 51.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 0.8509   |
|                |                |               |                        | 52.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 53.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 54.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 55.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 56.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 57.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 58.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 59.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 60.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 61.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 62.00000 | 32.00000 | 0.00000 | 0.0      | 3.4479   | 1.9564   |
|                |                |               |                        | 63.00000 | 32.00000 | 0.00000 | -0.42447 | 1.5130   | 1.1041   |
|                |                |               |                        | 64.00000 | 32.00000 | 0.00000 | -0.69077 | 0.80564  | 0.86241  |
|                |                |               |                        | 65.00000 | 32.00000 | 0.00000 | -0.81255 | 0.47418  | 0.74611  |
|                |                |               |                        | 66.00000 | 32.00000 | 0.00000 | -0.93239 | 0.31519  | 0.58800  |
|                |                |               |                        | 67.00000 | 32.00000 | 0.00000 | -0.77384 | 0.21478  | 0.40132  |
|                |                |               |                        | 68.00000 | 32.00000 | 0.00000 | -0.65869 | 0.14367  | 0.23288  |
|                |                |               |                        | 69.00000 | 32.00000 | 0.00000 | -0.50797 | 0.091060 | 0.11411  |
|                |                |               |                        | 70.00000 | 32.00000 | 0.00000 | -0.33373 | 0.050717 | 0.051437 |
|                |                |               |                        | 71.00000 | 32.00000 | 0.00000 | -0.14321 | 0.018675 | 0.024400 |
|                |                |               |                        | 72.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 73.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 74.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 75.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 76.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 77.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 78.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 79.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 80.00000 | 32.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 0.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 1.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 2.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 3.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 4.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 5.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 6.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 7.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 8.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 9.00000  | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 10.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 11.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 12.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 13.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 14.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 15.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 16.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 17.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 18.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 19.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 20.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 21.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 22.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 23.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 24.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 25.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 26.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 27.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 28.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 29.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 30.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 31.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 32.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 33.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 34.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 35.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 36.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 37.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 38.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 39.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 40.00000 | 33.00000 | 0.00000 | 0.0      | 0.0      | 0.0      |
|                |                |               |                        | 41.00000 | 33.00000 | 0.00000 | 0.16845  | 0.010244 | 0.026392 |
|                |                |               |                        | 42.00000 | 33.00000 | 0.00000 | 0.38970  | 0.026971 | 0.056520 |
|                |                |               |                        | 43.00000 | 33.00000 | 0.00000 | 0.60256  | 0.048371 | 0.12924  |
|                |                |               |                        | 44.00000 | 33.00000 | 0.00000 | 0.80230  | 0.076697 | 0.26867  |
|                |                |               |                        | 45.00000 | 33.00000 | 0.00000 | 0.98388  | 0.11590  | 0.47030  |
|                |                |               |                        | 46.00000 | 33.00000 | 0.00000 | 1.1316   | 0.17357  | 0.70145  |
|                |                |               |                        | 47.00000 | 33.00000 | 0.00000 | 1.2977   | 0.28384  | 0.91711  |
|                |                |               |                        | 48.00000 | 33.00000 | 0.00000 | 1.3578   | 0.50782  | 1.0639   |
|                |                |               |                        | 49.00000 | 33.00000 | 0.00000 | 0.93617  | 1.0187   | 0.0664   |
|                |                |               |                        | 50.00000 | 33.00000 | 0.00000 | 0.0      | 2.7847   | 1.5042   |
|                |                |               |                        | 51.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 52.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 53.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 54.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 55.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 56.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 57.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |
|                |                |               |                        | 58.00000 | 33.00000 | 0.00000 | 0.0      | 4.1563   | 2.2451   |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx       | δy        | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------|-----------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]     | [mm]      | [mm]     |
|                |                |                        |                        | 71.00000 | 33.00000 | 0.00000 | -0.19759 | 0.012209  | 0.029476 |
|                |                |                        |                        | 72.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 73.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 74.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 75.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 76.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 77.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 78.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 79.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 80.00000 | 33.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 0.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 1.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 2.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 3.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 4.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 5.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 6.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 7.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 8.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 9.00000  | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 10.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 11.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 12.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 13.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 14.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 15.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 16.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 17.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 18.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 19.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 20.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 21.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 22.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 23.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 24.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 25.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 26.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 27.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 28.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 29.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 30.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 31.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 32.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 33.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 34.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 35.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 36.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 37.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 38.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 39.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 40.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 41.00000 | 34.00000 | 0.00000 | 0.20007  | 530.42E-6 | 0.028896 |
|                |                |                        |                        | 42.00000 | 34.00000 | 0.00000 | 0.44995  | 0.0013427 | 0.062265 |
|                |                |                        |                        | 43.00000 | 34.00000 | 0.00000 | 0.69944  | 0.0023871 | 0.14442  |
|                |                |                        |                        | 44.00000 | 34.00000 | 0.00000 | 0.94835  | 0.0037796 | 0.30134  |
|                |                |                        |                        | 45.00000 | 34.00000 | 0.00000 | 1.1963   | 0.0057291 | 0.53005  |
|                |                |                        |                        | 46.00000 | 34.00000 | 0.00000 | 1.4426   | 0.006531  | 0.79863  |
|                |                |                        |                        | 47.00000 | 34.00000 | 0.00000 | 1.8343   | 0.014719  | 1.0698   |
|                |                |                        |                        | 48.00000 | 34.00000 | 0.00000 | 2.2870   | 0.027710  | 1.3117   |
|                |                |                        |                        | 49.00000 | 34.00000 | 0.00000 | 2.6959   | 0.066643  | 1.4856   |
|                |                |                        |                        | 50.00000 | 34.00000 | 0.00000 | 0.0      | 3.2593    | 1.4733   |
|                |                |                        |                        | 51.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 52.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 53.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 54.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 55.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 56.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 57.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 58.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 59.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 60.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 61.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 62.00000 | 34.00000 | 0.00000 | 0.0      | 4.8646    | 2.1989   |
|                |                |                        |                        | 63.00000 | 34.00000 | 0.00000 | -2.7380  | 0.078261  | 1.4944   |
|                |                |                        |                        | 64.00000 | 34.00000 | 0.00000 | -2.3441  | 0.030419  | 1.3406   |
|                |                |                        |                        | 65.00000 | 34.00000 | 0.00000 | -1.8940  | 0.015896  | 1.1026   |
|                |                |                        |                        | 66.00000 | 34.00000 | 0.00000 | -1.4745  | 0.0091442 | 0.83362  |
|                |                |                        |                        | 67.00000 | 34.00000 | 0.00000 | -1.2284  | 0.0060413 | 0.56372  |
|                |                |                        |                        | 68.00000 | 34.00000 | 0.00000 | -0.98065 | 0.0039955 | 0.32740  |
|                |                |                        |                        | 69.00000 | 34.00000 | 0.00000 | -0.73184 | 0.0025452 | 0.16037  |
|                |                |                        |                        | 70.00000 | 34.00000 | 0.00000 | -0.48241 | 0.0014635 | 0.069345 |
|                |                |                        |                        | 71.00000 | 34.00000 | 0.00000 | -0.23258 | 625.66E-6 | 0.032123 |
|                |                |                        |                        | 72.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 73.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 74.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 75.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 76.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 77.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 78.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 79.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 80.00000 | 34.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 0.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 1.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 2.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 3.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 4.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 5.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 6.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 7.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 8.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 9.00000  | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 10.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 11.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 12.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 13.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 14.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 15.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 16.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 17.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 18.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 19.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 20.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 21.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 22.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 23.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 24.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 25.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 26.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 27.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 28.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 29.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 30.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 31.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 32.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 33.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 34.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 35.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 36.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 37.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 38.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 39.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 40.00000 | 35.00000 | 0.00000 | 0.0      | 0.0       | 0.0      |
|                |                |                        |                        | 41.00000 | 35.00000 | 0.00000 | 0.39000  | 0.0       | 0.043211 |
|                |                |                        |                        | 42.00000 | 35.00000 | 0.00000 | 0.67500  | 0.0       | 0.093133 |
|                |                |                        |                        | 43.00000 | 35.00000 | 0.00000 | 1.0500   | 0.0       | 0.21608  |
|                |                |                        |                        | 44.00000 | 35.00000 | 0.00000 | 1.4250   | 0.0       | 0.45103  |
|                |                |                        |                        | 45.00000 | 35.00000 | 0.00000 | 1.8000   | 0.0       | 0.79378  |
|                |                |                        |                        | 46.00000 | 35.00000 | 0.00000 | 2.1750   | 0.0       | 1.1969   |
|                |                |                        |                        | 47.00000 | 35.00000 | 0.00000 | 2.7750   | 0.0       | 1.6055   |
|                |                |                        |                        | 48.00000 | 35.00000 | 0.00000 | 3.4833   | 0.0       | 1.9739   |
|                |                |                        |                        | 49.00000 | 35.00000 | 0.00000 | 4.1917   | 0.0       | 2        |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 50.00000 | 35.00000 | 0.00000 | 4.90000                          | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 35.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 35.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 35.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 35.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 35.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 35.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 35.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 35.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 35.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 35.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 35.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 36.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 36.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 36.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 36.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 36.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 36.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 36.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 36.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 36.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 36.00000 | 0.00000 | 4.90000                          | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 36.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 36.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 36.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 36.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 36.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 36.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 36.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 36.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 36.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 36.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 36.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 29.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 37.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 37.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 37.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 37.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 37.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 37.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 37.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 37.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 37.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 37.00000 | 0.00000 | 4.90000                          | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 37.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 37.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 37.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 37.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 37.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 37.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 37.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 37.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 37.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 37.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 37.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 38.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 38.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 38.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 38.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 38.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 38.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 38.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 38.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 38.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 38.00000 | 0.00000 | 4.90000                          | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 38.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 38.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 38.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 38.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 38.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 38.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 38.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 38.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 38.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 38.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 38.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0</    |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

Job No. Sheet No. Rev.

11138

Drg. Ref.

Made by  
AT

Date  
25-May-2021

Checked

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 8.00000  | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 39.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 39.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 39.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 39.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 39.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 39.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 39.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 39.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6955   |
|                |                |                        |                        | 48.00000 | 39.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 39.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 39.00000 | 0.00000 | 4.9000                           | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 39.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 39.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 39.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 39.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 39.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 39.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 68.00000 | 40.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 40.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 40.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 40.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 40.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 41.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 41.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 41.00000 | 0.00000 | 1.0500                           | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 41.00000 | 0.00000 | 1.4250                           | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 41.00000 | 0.00000 | 1.8000                           | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 41.00000 | 0.00000 | 2.1750                           | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 41.00000 | 0.00000 | 2.7750                           | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 41.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 41.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 41.00000 | 0.00000 | 4.9000                           | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 41.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 41.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 41.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 41.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 41.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 41.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 41.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 41.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 41.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 41.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 41.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 42.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 42.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 42.00000 | 0.00000 | 1.0500                           | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 42.00000 | 0.00000 | 1.4250                           | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 42.00000 | 0.00000 | 1.8000                           | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 42.00000 | 0.00000 | 2.1750                           | 0.0  | 1.1969   |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 47.00000 | 42.00000 | 0.00000 | 2.7750                           | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 42.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 42.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 42.00000 | 0.00000 | 4.9000                           | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 42.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 42.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 42.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 42.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 42.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 42.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 42.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 42.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 42.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 42.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 42.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 43.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 43.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 43.00000 | 0.00000 | 1.0500                           | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 43.00000 | 0.00000 | 1.4250                           | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 43.00000 | 0.00000 | 1.8000                           | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 43.00000 | 0.00000 | 2.1750                           | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 43.00000 | 0.00000 | 2.7750                           | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 43.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 43.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 43.00000 | 0.00000 | 4.9000                           | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 43.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 43.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 43.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 43.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 43.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 43.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 43.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 43.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 43.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 43.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 43.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  |          |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 26.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 44.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 44.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 44.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 44.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 44.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 44.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 44.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 44.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 44.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 44.00000 | 0.00000 | 4.9000                           | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 44.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 44.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 44.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 44.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 44.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 44.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 44.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 44.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 44.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 44.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 44.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy   | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|                |                |                        |                        | 5.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 46.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 46.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 46.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 46.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 46.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 46.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 46.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 46.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 46.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 46.00000 | 0.00000 | 4.90000                          | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 60.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 61.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 62.00000 | 46.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 63.00000 | 46.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|                |                |                        |                        | 64.00000 | 46.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|                |                |                        |                        | 65.00000 | 46.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|                |                |                        |                        | 66.00000 | 46.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|                |                |                        |                        | 67.00000 | 46.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|                |                |                        |                        | 68.00000 | 46.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|                |                |                        |                        | 69.00000 | 46.00000 | 0.00000 | -1.0998                          | 0.0  | 0.23995  |
|                |                |                        |                        | 70.00000 | 46.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|                |                |                        |                        | 71.00000 | 46.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|                |                |                        |                        | 72.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 73.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 74.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 75.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 76.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 77.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 78.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 79.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 80.00000 | 46.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 0.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 1.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 2.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 3.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 4.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 5.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 6.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 7.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 8.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 9.00000  | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 10.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 11.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 12.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 13.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 14.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 15.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 16.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 17.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 18.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 19.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 20.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 21.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 22.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 23.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 24.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 25.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 26.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 27.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 28.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 29.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 30.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 31.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 32.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 33.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 34.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 35.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 36.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 37.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 38.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 39.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 40.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|                |                |                        |                        | 41.00000 | 47.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|                |                |                        |                        | 42.00000 | 47.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|                |                |                        |                        | 43.00000 | 47.00000 | 0.00000 | 1.05000                          | 0.0  | 0.21608  |
|                |                |                        |                        | 44.00000 | 47.00000 | 0.00000 | 1.42500                          | 0.0  | 0.45103  |
|                |                |                        |                        | 45.00000 | 47.00000 | 0.00000 | 1.80000                          | 0.0  | 0.79378  |
|                |                |                        |                        | 46.00000 | 47.00000 | 0.00000 | 2.17500                          | 0.0  | 1.1969   |
|                |                |                        |                        | 47.00000 | 47.00000 | 0.00000 | 2.77500                          | 0.0  | 1.6055   |
|                |                |                        |                        | 48.00000 | 47.00000 | 0.00000 | 3.4833                           | 0.0  | 1.9739   |
|                |                |                        |                        | 49.00000 | 47.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|                |                |                        |                        | 50.00000 | 47.00000 | 0.00000 | 4.90000                          | 0.0  | 2.1799   |
|                |                |                        |                        | 51.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 52.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 53.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 54.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 55.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 56.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 57.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 58.00000 | 47.00000 | 0.00000 | Point lies within an excavation. |      |          |
|                |                |                        |                        | 59.00000 | 47.00000 | 0.00    |                                  |      |          |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage: Ref. | Stage: Name | Disp. Grid: Ref. | Disp. Grid: Name | x        | y        | z       | δx                               | δy   | δz       |
|-------------|-------------|------------------|------------------|----------|----------|---------|----------------------------------|------|----------|
|             |             |                  |                  | [m]      | [m]      | [m]     | [mm]                             | [mm] | [mm]     |
|             |             |                  |                  | 65.00000 | 47.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|             |             |                  |                  | 66.00000 | 47.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|             |             |                  |                  | 67.00000 | 47.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|             |             |                  |                  | 68.00000 | 47.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|             |             |                  |                  | 69.00000 | 47.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|             |             |                  |                  | 70.00000 | 47.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|             |             |                  |                  | 71.00000 | 47.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|             |             |                  |                  | 72.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 73.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 74.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 75.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 76.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 77.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 78.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 79.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 80.00000 | 47.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 0.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 1.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 2.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 3.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 4.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 5.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 6.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 7.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 8.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 9.00000  | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 10.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 11.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 12.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 13.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 14.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 15.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 16.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 17.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 18.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 19.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 20.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 21.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 22.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 23.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 24.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 25.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 26.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 27.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 28.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 29.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 30.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 31.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 32.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 33.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 34.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 35.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 36.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 37.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 38.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 39.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 40.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 41.00000 | 48.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|             |             |                  |                  | 42.00000 | 48.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|             |             |                  |                  | 43.00000 | 48.00000 | 0.00000 | 1.0500                           | 0.0  | 0.21608  |
|             |             |                  |                  | 44.00000 | 48.00000 | 0.00000 | 1.4250                           | 0.0  | 0.45103  |
|             |             |                  |                  | 45.00000 | 48.00000 | 0.00000 | 1.8000                           | 0.0  | 0.79378  |
|             |             |                  |                  | 46.00000 | 48.00000 | 0.00000 | 2.1750                           | 0.0  | 1.1969   |
|             |             |                  |                  | 47.00000 | 48.00000 | 0.00000 | 2.7750                           | 0.0  | 1.6055   |
|             |             |                  |                  | 48.00000 | 48.00000 | 0.00000 | 3.4033                           | 0.0  | 1.9739   |
|             |             |                  |                  | 49.00000 | 48.00000 | 0.00000 | 4.1917                           | 0.0  | 2.2539   |
|             |             |                  |                  | 50.00000 | 48.00000 | 0.00000 | 4.9000                           | 0.0  | 2.1799   |
|             |             |                  |                  | 51.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 52.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 53.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 54.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 55.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 56.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 57.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 58.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 59.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 60.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 61.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 62.00000 | 48.00000 | 0.00000 | Point lies within an excavation. |      |          |
|             |             |                  |                  | 63.00000 | 48.00000 | 0.00000 | -4.2838                          | 0.0  | 2.2728   |
|             |             |                  |                  | 64.00000 | 48.00000 | 0.00000 | -3.5754                          | 0.0  | 2.0185   |
|             |             |                  |                  | 65.00000 | 48.00000 | 0.00000 | -2.8671                          | 0.0  | 1.6552   |
|             |             |                  |                  | 66.00000 | 48.00000 | 0.00000 | -2.2238                          | 0.0  | 1.2496   |
|             |             |                  |                  | 67.00000 | 48.00000 | 0.00000 | -1.8488                          | 0.0  | 0.84427  |
|             |             |                  |                  | 68.00000 | 48.00000 | 0.00000 | -1.4738                          | 0.0  | 0.49007  |
|             |             |                  |                  | 69.00000 | 48.00000 | 0.00000 | -1.0988                          | 0.0  | 0.23995  |
|             |             |                  |                  | 70.00000 | 48.00000 | 0.00000 | -0.72375                         | 0.0  | 0.10373  |
|             |             |                  |                  | 71.00000 | 48.00000 | 0.00000 | -0.34875                         | 0.0  | 0.048037 |
|             |             |                  |                  | 72.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 73.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 74.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 75.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 76.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 77.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 78.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 79.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 80.00000 | 48.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 0.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 1.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 2.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 3.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 4.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 5.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 6.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 7.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 8.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 9.00000  | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 10.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 11.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 12.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 13.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 14.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 15.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 16.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 17.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 18.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 19.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 20.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 21.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 22.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 23.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 24.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 25.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 26.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 27.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 28.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 29.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 30.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 31.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 32.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 33.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 34.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 35.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 36.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 37.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 38.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 39.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 40.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0  | 0.0      |
|             |             |                  |                  | 41.00000 | 49.00000 | 0.00000 | 0.30000                          | 0.0  | 0.043211 |
|             |             |                  |                  | 42.00000 | 49.00000 | 0.00000 | 0.67500                          | 0.0  | 0.093133 |
|             |             |                  |                  | 43.00000 | 49.00000 | 0.00000 | 1.0500                           | 0.0  | 0.21608  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx                               | δy      | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------------------------------|---------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]                             | [mm]    | [mm]     |
|                |                |                        |                        | 44.00000 | 49.00000 | 0.00000 | 1.4250                           | 0.0     | 0.45103  |
|                |                |                        |                        | 45.00000 | 49.00000 | 0.00000 | 1.8000                           | 0.0     | 0.79378  |
|                |                |                        |                        | 46.00000 | 49.00000 | 0.00000 | 2.1750                           | 0.0     | 1.1969   |
|                |                |                        |                        | 47.00000 | 49.00000 | 0.00000 | 2.7750                           | 0.0     | 1.6055   |
|                |                |                        |                        | 48.00000 | 49.00000 | 0.00000 | 3.4833                           | 0.0     | 1.9739   |
|                |                |                        |                        | 49.00000 | 49.00000 | 0.00000 | 4.1917                           | 0.0     | 2.2539   |
|                |                |                        |                        | 50.00000 | 49.00000 | 0.00000 | 4.9000                           | 0.0     | 2.1799   |
|                |                |                        |                        | 51.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 52.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 53.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 54.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 55.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 56.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 57.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 58.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 59.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 60.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 61.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 62.00000 | 49.00000 | 0.00000 | Point lies within an excavation. |         |          |
|                |                |                        |                        | 63.00000 | 49.00000 | 0.00000 | -4.2838                          | 0.0     | 2.2728   |
|                |                |                        |                        | 64.00000 | 49.00000 | 0.00000 | -3.5754                          | 0.0     | 2.0185   |
|                |                |                        |                        | 65.00000 | 49.00000 | 0.00000 | -2.8671                          | 0.0     | 1.6552   |
|                |                |                        |                        | 66.00000 | 49.00000 | 0.00000 | -2.2238                          | 0.0     | 1.2496   |
|                |                |                        |                        | 67.00000 | 49.00000 | 0.00000 | -1.8488                          | 0.0     | 0.84427  |
|                |                |                        |                        | 68.00000 | 49.00000 | 0.00000 | -1.4738                          | 0.0     | 0.49007  |
|                |                |                        |                        | 69.00000 | 49.00000 | 0.00000 | -1.0988                          | 0.0     | 0.23995  |
|                |                |                        |                        | 70.00000 | 49.00000 | 0.00000 | -0.72375                         | 0.0     | 0.10373  |
|                |                |                        |                        | 71.00000 | 49.00000 | 0.00000 | -0.34875                         | 0.0     | 0.048037 |
|                |                |                        |                        | 72.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 73.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 74.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 75.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 76.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 77.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 78.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 79.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 80.00000 | 49.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 0.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 1.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 2.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 3.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 4.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 5.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 6.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 7.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 8.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 9.00000  | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 10.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 11.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 12.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 13.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 14.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 15.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 16.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 17.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 18.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 19.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 20.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 21.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 22.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 23.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 24.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 25.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 26.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 27.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 28.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 29.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 30.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 31.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 32.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 33.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 34.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 35.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 36.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 37.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 38.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 39.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 40.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 41.00000 | 50.00000 | 0.00000 | 0.20100                          | 0.0     | 0.028951 |
|                |                |                        |                        | 42.00000 | 50.00000 | 0.00000 | 0.45225                          | 0.0     | 0.062399 |
|                |                |                        |                        | 43.00000 | 50.00000 | 0.00000 | 0.70350                          | 0.0     | 0.14477  |
|                |                |                        |                        | 44.00000 | 50.00000 | 0.00000 | 0.95475                          | 0.0     | 0.30219  |
|                |                |                        |                        | 45.00000 | 50.00000 | 0.00000 | 1.2060                           | 0.0     | 0.53183  |
|                |                |                        |                        | 46.00000 | 50.00000 | 0.00000 | 1.4573                           | 0.0     | 0.80195  |
|                |                |                        |                        | 47.00000 | 50.00000 | 0.00000 | 1.8593                           | 0.0     | 1.0757   |
|                |                |                        |                        | 48.00000 | 50.00000 | 0.00000 | 2.3338                           | 0.0     | 1.3225   |
|                |                |                        |                        | 49.00000 | 50.00000 | 0.00000 | 2.8084                           | 0.0     | 1.5101   |
|                |                |                        |                        | 50.00000 | 50.00000 | 0.00000 | 1.6415                           | -1.6415 | 1.4606   |
|                |                |                        |                        | 51.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 52.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 53.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 54.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 55.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 56.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 57.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 58.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 59.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 60.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 61.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 62.00000 | 50.00000 | 0.00000 | 0.0                              | -4.9000 | 2.1799   |
|                |                |                        |                        | 63.00000 | 50.00000 | 0.00000 | -2.8701                          | 0.0     | 1.5228   |
|                |                |                        |                        | 64.00000 | 50.00000 | 0.00000 | -2.3955                          | 0.0     | 1.3524   |
|                |                |                        |                        | 65.00000 | 50.00000 | 0.00000 | -1.9209                          | 0.0     | 1.1090   |
|                |                |                        |                        | 66.00000 | 50.00000 | 0.00000 | -1.4899                          | 0.0     | 0.83721  |
|                |                |                        |                        | 67.00000 | 50.00000 | 0.00000 | -1.2387                          | 0.0     | 0.56566  |
|                |                |                        |                        | 68.00000 | 50.00000 | 0.00000 | -0.98741                         | 0.0     | 0.32835  |
|                |                |                        |                        | 69.00000 | 50.00000 | 0.00000 | -0.73616                         | 0.0     | 0.16077  |
|                |                |                        |                        | 70.00000 | 50.00000 | 0.00000 | -0.48491                         | 0.0     | 0.069497 |
|                |                |                        |                        | 71.00000 | 50.00000 | 0.00000 | -0.23366                         | 0.0     | 0.032185 |
|                |                |                        |                        | 72.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 73.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 74.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 75.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 76.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 77.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 78.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 79.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 80.00000 | 50.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 0.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 1.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 2.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 3.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 4.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 5.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 6.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 7.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 8.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 9.00000  | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 10.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 11.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 12.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 13.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 14.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 15.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 16.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 17.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 18.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 19.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 20.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |
|                |                |                        |                        | 21.00000 | 51.00000 | 0.00000 | 0.0                              | 0.0     | 0.0      |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx       | δy         | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|----------|------------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]     | [mm]       | [mm]     |
|                |                |                        |                        | 23.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 24.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 25.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 26.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 27.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 28.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 29.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 30.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 31.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 32.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 33.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 34.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 35.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 36.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 37.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 38.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 39.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 40.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 41.00000 | 51.00000 | 0.00000 | 0.17056  | -0.0098354 | 0.026578 |
|                |                |                        |                        | 42.00000 | 51.00000 | 0.00000 | 0.39327  | -0.025795  | 0.056929 |
|                |                |                        |                        | 43.00000 | 51.00000 | 0.00000 | 0.60709  | -0.046222  | 0.13033  |
|                |                |                        |                        | 44.00000 | 51.00000 | 0.00000 | 0.81085  | -0.073279  | 0.27092  |
|                |                |                        |                        | 45.00000 | 51.00000 | 0.00000 | 0.99503  | -0.11077   | 0.47424  |
|                |                |                        |                        | 46.00000 | 51.00000 | 0.00000 | 1.1474   | -0.16600   | 0.70748  |
|                |                |                        |                        | 47.00000 | 51.00000 | 0.00000 | 1.3245   | -0.27243   | 0.92591  |
|                |                |                        |                        | 48.00000 | 51.00000 | 0.00000 | 1.3996   | -0.40940   | 1.0767   |
|                |                |                        |                        | 49.00000 | 51.00000 | 0.00000 | 0.97457  | -0.97457   | 1.0801   |
|                |                |                        |                        | 50.00000 | 51.00000 | 0.00000 | 0.0      | -2.8084    | 1.5101   |
|                |                |                        |                        | 51.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 52.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 53.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 54.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 55.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 56.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 57.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 58.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 59.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 60.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 61.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 62.00000 | 51.00000 | 0.00000 | 0.0      | -4.1917    | 2.2539   |
|                |                |                        |                        | 63.00000 | 51.00000 | 0.00000 | -0.90277 | -1.1373    | 1.1247   |
|                |                |                        |                        | 64.00000 | 51.00000 | 0.00000 | -1.3543  | -0.53113   | 1.0888   |
|                |                |                        |                        | 65.00000 | 51.00000 | 0.00000 | -1.3481  | -0.29319   | 0.95011  |
|                |                |                        |                        | 66.00000 | 51.00000 | 0.00000 | -1.1637  | -0.17515   | 0.73716  |
|                |                |                        |                        | 67.00000 | 51.00000 | 0.00000 | -1.0170  | -0.11672   | 0.50386  |
|                |                |                        |                        | 68.00000 | 51.00000 | 0.00000 | -0.83604 | -0.077453  | 0.29423  |
|                |                |                        |                        | 69.00000 | 51.00000 | 0.00000 | -0.63514 | -0.049305  | 0.14461  |
|                |                |                        |                        | 70.00000 | 51.00000 | 0.00000 | -0.42170 | -0.028162  | 0.063236 |
|                |                |                        |                        | 71.00000 | 51.00000 | 0.00000 | -0.19987 | -0.011710  | 0.029669 |
|                |                |                        |                        | 72.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 73.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 74.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 75.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 76.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 77.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 78.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 79.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 80.00000 | 51.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 0.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 1.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 2.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 3.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 4.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 5.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 6.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 7.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 8.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 9.00000  | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 10.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 11.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 12.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 13.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 14.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 15.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 16.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 17.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 18.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 19.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 20.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 21.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 22.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 23.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 24.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 25.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 26.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 27.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 28.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 29.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 30.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 31.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 32.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 33.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 34.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 35.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 36.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 37.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 38.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 39.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 40.00000 | 52.00000 | 0.00000 | 0.0      | 0.0        | 0.0      |
|                |                |                        |                        | 41.00000 | 52.00000 | 0.00000 | 0.12039  | -0.015151  | 0.021623 |
|                |                |                        |                        | 42.00000 | 52.00000 | 0.00000 | 0.31406  | -0.045436  | 0.047199 |
|                |                |                        |                        | 43.00000 | 52.00000 | 0.00000 | 0.49249  | -0.083710  | 0.10441  |
|                |                |                        |                        | 44.00000 | 52.00000 | 0.00000 | 0.64896  | -0.13348   | 0.21726  |
|                |                |                        |                        | 45.00000 | 52.00000 | 0.00000 | 0.77235  | -0.20052   | 0.38259  |
|                |                |                        |                        | 46.00000 | 52.00000 | 0.00000 | 0.84325  | -0.29486   | 0.57181  |
|                |                |                        |                        | 47.00000 | 52.00000 | 0.00000 | 0.83417  | -0.43911   | 0.73724  |
|                |                |                        |                        | 48.00000 | 52.00000 | 0.00000 | 0.72413  | -0.72413   | 0.83549  |
|                |                |                        |                        | 49.00000 | 52.00000 | 0.00000 | 0.48940  | -1.3996    | 1.0767   |
|                |                |                        |                        | 50.00000 | 52.00000 | 0.00000 | 0.0      | -2.3338    | 1.3225   |
|                |                |                        |                        | 51.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 52.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 53.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 54.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 55.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 56.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 57.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 58.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 59.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 60.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 61.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 62.00000 | 52.00000 | 0.00000 | 0.0      | -3.4833    | 1.9739   |
|                |                |                        |                        | 63.00000 | 52.00000 | 0.00000 | -0.43820 | -1.5117    | 1.1100   |
|                |                |                        |                        | 64.00000 | 52.00000 | 0.00000 | -0.70849 | -0.79330   | 0.86492  |
|                |                |                        |                        | 65.00000 | 52.00000 | 0.00000 | -0.83452 | -0.46924   | 0.75626  |
|                |                |                        |                        | 66.00000 | 52.00000 | 0.00000 | -0.84703 | -0.30995   | 0.59575  |
|                |                |                        |                        | 67.00000 | 52.00000 | 0.00000 | -0.78509 | -0.21096   | 0.40672  |
|                |                |                        |                        | 68.00000 | 52.00000 | 0.00000 | -0.66718 | -0.14106   | 0.23615  |
|                |                |                        |                        | 69.00000 | 52.00000 | 0.00000 | -0.51426 | -0.089435  |          |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx        | δy        | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|-----------|-----------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]      | [mm]      | [mm]     |
|                |                |                        |                        | 2.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 3.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 4.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 5.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 6.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 7.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 8.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 9.00000  | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 10.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 11.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 12.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 13.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 14.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 15.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 16.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 17.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 18.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 19.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 20.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 21.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 22.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 23.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 24.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 25.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 26.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 27.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 28.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 29.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 30.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 31.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 32.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 33.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 34.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 35.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 36.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 37.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 38.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 39.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 40.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 41.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 42.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 43.00000 | 53.00000 | 0.00000 | 0.22520   | -0.053788 | 0.036226 |
|                |                |                        |                        | 44.00000 | 53.00000 | 0.00000 | 0.37144   | -0.10556  | 0.074924 |
|                |                |                        |                        | 45.00000 | 53.00000 | 0.00000 | 0.48935   | -0.17111  | 0.15519  |
|                |                |                        |                        | 46.00000 | 53.00000 | 0.00000 | 0.56709   | -0.25603  | 0.27771  |
|                |                |                        |                        | 47.00000 | 53.00000 | 0.00000 | 0.58659   | -0.36870  | 0.42127  |
|                |                |                        |                        | 48.00000 | 53.00000 | 0.00000 | 0.52100   | -0.52100  | 0.54886  |
|                |                |                        |                        | 49.00000 | 53.00000 | 0.00000 | 0.43911   | -0.83417  | 0.73724  |
|                |                |                        |                        | 49.00000 | 53.00000 | 0.00000 | 0.27243   | -1.3245   | 0.92591  |
|                |                |                        |                        | 50.00000 | 53.00000 | 0.00000 | 0.0       | -1.8593   | 1.0757   |
|                |                |                        |                        | 51.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 52.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 53.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 54.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 55.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 56.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 57.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 58.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 59.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 60.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 61.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 62.00000 | 53.00000 | 0.00000 | 0.0       | -2.7750   | 1.6055   |
|                |                |                        |                        | 63.00000 | 53.00000 | 0.00000 | -0.24145  | -1.3949   | 0.94835  |
|                |                |                        |                        | 64.00000 | 53.00000 | 0.00000 | -0.42511  | -0.89112  | 0.76313  |
|                |                |                        |                        | 65.00000 | 53.00000 | 0.00000 | -0.51460  | -0.55461  | 0.57293  |
|                |                |                        |                        | 66.00000 | 53.00000 | 0.00000 | -0.58355  | -0.38596  | 0.43966  |
|                |                |                        |                        | 67.00000 | 53.00000 | 0.00000 | -0.57339  | -0.26890  | 0.29584  |
|                |                |                        |                        | 68.00000 | 53.00000 | 0.00000 | -0.50204  | -0.18091  | 0.16898  |
|                |                |                        |                        | 69.00000 | 53.00000 | 0.00000 | -0.38857  | -0.11321  | 0.082753 |
|                |                |                        |                        | 70.00000 | 53.00000 | 0.00000 | -0.24551  | -0.059887 | 0.039551 |
|                |                |                        |                        | 71.00000 | 53.00000 | 0.00000 | -0.081105 | -0.016989 | 0.017060 |
|                |                |                        |                        | 72.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 73.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 74.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 75.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 76.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 77.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 78.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 79.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 80.00000 | 53.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 0.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 1.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 2.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 3.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 4.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 5.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 6.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 7.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 8.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 9.00000  | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 10.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 11.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 12.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 13.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 14.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 15.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 16.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 17.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 18.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 19.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 20.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 21.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 22.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 23.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 24.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 25.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 26.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 27.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 28.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 29.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 30.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 31.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 32.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 33.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 34.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 35.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 36.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 37.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 38.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 39.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 40.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 41.00000 | 54.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 42.00000 | 54.00000 | 0.00000 | 0.13544   | -0.047359 | 0.025792 |
|                |                |                        |                        | 43.00000 | 54.00000 | 0.00000 | 0.25570   | -0.10769  | 0.049365 |
|                |                |                        |                        | 44.00000 | 54.00000 | 0.00000 | 0.34519   | -0.16171  | 0.098484 |
|                |                |                        |                        | 45.00000 | 54.00000 | 0.00000 | 0.39384   | -0.27359  | 0.17927  |
|                |                |                        |                        | 46.00000 | 54.00000 | 0.00000 | 0.38842   | -0.38842  | 0.27899  |
|                |                |                        |                        | 47.00000 | 54.00000 | 0.00000 | 0.36870   | -0.58659  | 0.42127  |
|                |                |                        |                        | 48.00000 | 54.00000 | 0.00000 | 0.29486   | -0.84325  | 0.57181  |
|                |                |                        |                        | 49.00000 | 54.00000 | 0.00000 | 0.16600   | -1.1474   | 0.7074   |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx        | δy         | δz        |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|-----------|------------|-----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]      | [mm]       | [mm]      |
|                |                |                        |                        | 62.00000 | 54.00000 | 0.00000 | 0.0       | -2.1750    | 1.1969    |
|                |                |                        |                        | 63.00000 | 54.00000 | 0.00000 | -0.14588  | -1.1887    | 0.72268   |
|                |                |                        |                        | 64.00000 | 54.00000 | 0.00000 | -0.28107  | -0.88065   | 0.59082   |
|                |                |                        |                        | 65.00000 | 54.00000 | 0.00000 | -0.36231  | -0.61664   | 0.44082   |
|                |                |                        |                        | 66.00000 | 54.00000 | 0.00000 | -0.38862  | -0.41099   | 0.29632   |
|                |                |                        |                        | 67.00000 | 54.00000 | 0.00000 | -0.39651  | -0.28710   | 0.19160   |
|                |                |                        |                        | 68.00000 | 54.00000 | 0.00000 | -0.35407  | -0.19254   | 0.10730   |
|                |                |                        |                        | 69.00000 | 54.00000 | 0.00000 | -0.26926  | -0.11646   | 0.053961  |
|                |                |                        |                        | 70.00000 | 54.00000 | 0.00000 | -0.15253  | -0.054548  | 0.028187  |
|                |                |                        |                        | 71.00000 | 54.00000 | 0.00000 | -0.011606 | -0.0035295 | 0.0042448 |
|                |                |                        |                        | 72.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 73.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 74.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 75.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 76.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 77.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 78.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 79.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 80.00000 | 54.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 0.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 1.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 2.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 3.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 4.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 5.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 6.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 7.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 8.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 9.00000  | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 10.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 11.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 12.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 13.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 14.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 15.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 16.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 17.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 18.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 19.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 20.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 21.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 22.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 23.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 24.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 25.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 26.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 27.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 28.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 29.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 30.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 31.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 32.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 33.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 34.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 35.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 36.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 37.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 38.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 39.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 40.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 41.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 42.00000 | 55.00000 | 0.00000 | 0.050961  | -0.024405  | 0.013768  |
|                |                |                        |                        | 43.00000 | 55.00000 | 0.00000 | 0.15195   | -0.088672  | 0.031399  |
|                |                |                        |                        | 44.00000 | 55.00000 | 0.00000 | 0.22271   | -0.16501   | 0.056673  |
|                |                |                        |                        | 45.00000 | 55.00000 | 0.00000 | 0.25584   | -0.25584   | 0.10193   |
|                |                |                        |                        | 46.00000 | 55.00000 | 0.00000 | 0.27359   | -0.39384   | 0.17927   |
|                |                |                        |                        | 47.00000 | 55.00000 | 0.00000 | 0.25603   | -0.56709   | 0.27771   |
|                |                |                        |                        | 48.00000 | 55.00000 | 0.00000 | 0.20052   | -0.77235   | 0.38259   |
|                |                |                        |                        | 49.00000 | 55.00000 | 0.00000 | 0.11077   | -0.99503   | 0.47424   |
|                |                |                        |                        | 50.00000 | 55.00000 | 0.00000 | 0.0       | -1.2660    | 0.53183   |
|                |                |                        |                        | 51.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 52.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 53.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 54.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 55.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 56.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 57.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 58.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 59.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 60.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 61.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 62.00000 | 55.00000 | 0.00000 | 0.0       | -1.8000    | 0.79378   |
|                |                |                        |                        | 63.00000 | 55.00000 | 0.00000 | -0.097162 | -1.0239    | 0.48407   |
|                |                |                        |                        | 64.00000 | 55.00000 | 0.00000 | -0.19061  | -0.80079   | 0.39571   |
|                |                |                        |                        | 65.00000 | 55.00000 | 0.00000 | -0.25097  | -0.59213   | 0.29136   |
|                |                |                        |                        | 66.00000 | 55.00000 | 0.00000 | -0.27340  | -0.41435   | 0.19111   |
|                |                |                        |                        | 67.00000 | 55.00000 | 0.00000 | -0.25996  | -0.27185   | 0.11046   |
|                |                |                        |                        | 68.00000 | 55.00000 | 0.00000 | -0.22932  | -0.17594   | 0.061373  |
|                |                |                        |                        | 69.00000 | 55.00000 | 0.00000 | -0.16300  | -0.097662  | 0.033797  |
|                |                |                        |                        | 70.00000 | 55.00000 | 0.00000 | -0.065560 | -0.032159  | 0.016560  |
|                |                |                        |                        | 71.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 72.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 73.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 74.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 75.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 76.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 77.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 78.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 79.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 80.00000 | 55.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 0.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 1.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 2.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 3.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 4.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 5.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 6.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 7.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 8.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 9.00000  | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 10.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 11.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 12.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 13.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 14.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 15.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 16.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 17.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 18.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 19.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 20.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 21.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 22.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 23.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 24.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 25.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 26.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 27.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 28.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        | 0.0       |
|                |                |                        |                        | 29.00000 | 56.00000 | 0.00000 | 0.0       | 0.0        |           |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx        | δy        | δz       |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|-----------|-----------|----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]      | [mm]      | [mm]     |
|                |                |                        |                        | 41.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 42.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 43.00000 | 56.00000 | 0.00000 | 0.063354  | -0.049098 | 0.017940 |
|                |                |                        |                        | 44.00000 | 56.00000 | 0.00000 | 0.12325   | -0.12325  | 0.031927 |
|                |                |                        |                        | 45.00000 | 56.00000 | 0.00000 | 0.16501   | -0.22271  | 0.056673 |
|                |                |                        |                        | 46.00000 | 56.00000 | 0.00000 | 0.18171   | -0.34519  | 0.098454 |
|                |                |                        |                        | 47.00000 | 56.00000 | 0.00000 | 0.17111   | -0.48935  | 0.15519  |
|                |                |                        |                        | 48.00000 | 56.00000 | 0.00000 | 0.13348   | -0.64896  | 0.21726  |
|                |                |                        |                        | 49.00000 | 56.00000 | 0.00000 | 0.073279  | -0.81085  | 0.27092  |
|                |                |                        |                        | 50.00000 | 56.00000 | 0.00000 | 0.0       | -0.95475  | 0.30219  |
|                |                |                        |                        | 51.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 52.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 53.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 54.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 55.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 56.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 57.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 58.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 59.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 60.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 61.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 62.00000 | 56.00000 | 0.00000 | 0.0       | -1.4250   | 0.45103  |
|                |                |                        |                        | 63.00000 | 56.00000 | 0.00000 | -0.064237 | -0.83107  | 0.27652  |
|                |                |                        |                        | 64.00000 | 56.00000 | 0.00000 | -0.12678  | -0.67025  | 0.22503  |
|                |                |                        |                        | 65.00000 | 56.00000 | 0.00000 | -0.16770  | -0.50943  | 0.16322  |
|                |                |                        |                        | 66.00000 | 56.00000 | 0.00000 | -0.18190  | -0.36278  | 0.10515  |
|                |                |                        |                        | 67.00000 | 56.00000 | 0.00000 | -0.16866  | -0.23733  | 0.061101 |
|                |                |                        |                        | 68.00000 | 56.00000 | 0.00000 | -0.12999  | -0.13491  | 0.034336 |
|                |                |                        |                        | 69.00000 | 56.00000 | 0.00000 | -0.072822 | -0.058166 | 0.019880 |
|                |                |                        |                        | 70.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 71.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 72.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 73.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 74.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 75.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 76.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 77.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 78.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 79.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 80.00000 | 56.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 0.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 1.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 2.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 3.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 4.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 5.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 6.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 7.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 8.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 9.00000  | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 10.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 11.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 12.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 13.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 14.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 15.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 16.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 17.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 18.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 19.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 20.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 21.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 22.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 23.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 24.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 25.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 26.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 27.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 28.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 29.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 30.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 31.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 32.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 33.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 34.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 35.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 36.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 37.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 38.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 39.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 40.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 41.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 42.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 43.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 44.00000 | 57.00000 | 0.00000 | 0.063354  | -0.063354 | 0.017940 |
|                |                |                        |                        | 45.00000 | 57.00000 | 0.00000 | 0.088672  | -0.15195  | 0.031399 |
|                |                |                        |                        | 46.00000 | 57.00000 | 0.00000 | 0.10769   | -0.25570  | 0.049365 |
|                |                |                        |                        | 47.00000 | 57.00000 | 0.00000 | 0.10556   | -0.37144  | 0.074924 |
|                |                |                        |                        | 48.00000 | 57.00000 | 0.00000 | 0.083710  | -0.49249  | 0.10441  |
|                |                |                        |                        | 49.00000 | 57.00000 | 0.00000 | 0.046222  | -0.60792  | 0.130333 |
|                |                |                        |                        | 50.00000 | 57.00000 | 0.00000 | 0.0       | -0.70350  | 0.14477  |
|                |                |                        |                        | 51.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 52.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 53.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 54.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 55.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 56.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 57.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 58.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 59.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 60.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 61.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 62.00000 | 57.00000 | 0.00000 | 0.0       | -1.0500   | 0.21608  |
|                |                |                        |                        | 63.00000 | 57.00000 | 0.00000 | -0.040533 | -0.62187  | 0.13300  |
|                |                |                        |                        | 64.00000 | 57.00000 | 0.00000 | -0.079599 | -0.50810  | 0.10816  |
|                |                |                        |                        | 65.00000 | 57.00000 | 0.00000 | -0.10378  | -0.38706  | 0.078670 |
|                |                |                        |                        | 66.00000 | 57.00000 | 0.00000 | -0.10860  | -0.27017  | 0.052280 |
|                |                |                        |                        | 67.00000 | 57.00000 | 0.00000 | -0.092333 | -0.16462  | 0.033332 |
|                |                |                        |                        | 68.00000 | 57.00000 | 0.00000 | -0.055353 | -0.073970 | 0.019761 |
|                |                |                        |                        | 69.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 70.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 71.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 72.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 73.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 74.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 75.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 76.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 77.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 78.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 79.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 80.00000 | 57.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 0.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 1.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 2.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 3.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 4.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 5.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 6.00000  | 58.00000 | 0.00000 | 0.0       | 0.0       | 0.0      |
|                |                |                        |                        | 7.00000  | 58.00000 | 0.00000 |           |           |          |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx         | δy         | δz        |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------------|------------|-----------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm]       | [mm]       | [mm]      |
|                |                |                        |                        | 20.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 21.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 22.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 23.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 24.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 25.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 26.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 27.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 28.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 29.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 30.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 31.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 32.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 33.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 34.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 35.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 36.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 37.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 38.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 39.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 40.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 41.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 42.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 43.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 44.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 45.00000 | 58.00000 | 0.00000 | 0.024405   | -0.050961  | 0.013768  |
|                |                |                        |                        | 46.00000 | 58.00000 | 0.00000 | 0.047359   | -0.13544   | 0.025792  |
|                |                |                        |                        | 47.00000 | 58.00000 | 0.00000 | 0.053788   | -0.22520   | 0.036226  |
|                |                |                        |                        | 48.00000 | 58.00000 | 0.00000 | 0.045436   | -0.31406   | 0.047199  |
|                |                |                        |                        | 49.00000 | 58.00000 | 0.00000 | 0.025795   | -0.39327   | 0.056929  |
|                |                |                        |                        | 50.00000 | 58.00000 | 0.00000 | 0.0        | -0.45225   | 0.062399  |
|                |                |                        |                        | 51.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 52.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 53.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 54.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 55.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 56.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 57.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 58.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 59.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 60.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 61.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 62.00000 | 58.00000 | 0.00000 | 0.0        | -0.67500   | 0.093133  |
|                |                |                        |                        | 63.00000 | 58.00000 | 0.00000 | -0.022655  | -0.40232   | 0.057941  |
|                |                |                        |                        | 64.00000 | 58.00000 | 0.00000 | -0.043427  | -0.32511   | 0.048596  |
|                |                |                        |                        | 65.00000 | 58.00000 | 0.00000 | -0.053482  | -0.25697   | 0.037633  |
|                |                |                        |                        | 66.00000 | 58.00000 | 0.00000 | -0.049109  | -0.14692   | 0.027139  |
|                |                |                        |                        | 67.00000 | 58.00000 | 0.00000 | -0.028346  | -0.061489  | 0.015646  |
|                |                |                        |                        | 68.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 69.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 70.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 71.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 72.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 73.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 74.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 75.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 76.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 77.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 78.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 79.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 80.00000 | 58.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 0.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 1.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 2.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 3.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 4.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 5.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 6.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 7.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 8.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 9.00000  | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 10.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 11.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 12.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 13.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 14.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 15.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 16.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 17.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 18.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 19.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 20.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 21.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 22.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 23.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 24.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 25.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 26.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 27.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 28.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 29.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 30.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 31.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 32.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 33.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 34.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 35.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 36.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 37.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 38.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 39.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 40.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 41.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 42.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 43.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 44.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 45.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 46.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.0       |
|                |                |                        |                        | 47.00000 | 59.00000 | 0.00000 | 0.012028   | -0.058477  | 0.013421  |
|                |                |                        |                        | 48.00000 | 59.00000 | 0.00000 | 0.015151   | -0.12839   | 0.021623  |
|                |                |                        |                        | 49.00000 | 59.00000 | 0.00000 | 0.0098354  | -0.17056   | 0.026578  |
|                |                |                        |                        | 50.00000 | 59.00000 | 0.00000 | 0.0        | -0.20100   | 0.028951  |
|                |                |                        |                        | 51.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 52.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 53.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 54.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 55.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 56.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 57.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 58.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 59.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 60.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 61.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 62.00000 | 59.00000 | 0.00000 | 0.0        | -0.30000   | 0.043211  |
|                |                |                        |                        | 63.00000 | 59.00000 | 0.00000 | -0.0087198 | -0.17581   | 0.027033  |
|                |                |                        |                        | 64.00000 | 59.00000 | 0.00000 | -0.014862  | -0.12774   | 0.022420  |
|                |                |                        |                        | 65.00000 | 59.00000 | 0.00000 | -0.013025  | -0.066928  | 0.014744  |
|                |                |                        |                        | 66.00000 | 59.00000 | 0.00000 | -156.08E-6 | -546.78E-6 | 0.0013714 |
|                |                |                        |                        | 67.00000 | 59.00000 | 0.00000 | 0.0        | 0.0        | 0.        |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 80.00000 | 59.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 60.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 59.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 61.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 62.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 38.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 63.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 64.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage: Ref. | Stage: Name | Disp. Grid: Ref. | Disp. Grid: Name | x        | y        | z       | δx   | δy   | δz   |
|-------------|-------------|------------------|------------------|----------|----------|---------|------|------|------|
|             |             |                  |                  | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|             |             |                  |                  | 17.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 18.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 19.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 20.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 21.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 22.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 23.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 24.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 25.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 26.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 27.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 28.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 29.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 30.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 31.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 32.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 33.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 34.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 35.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 36.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 37.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 38.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 39.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 40.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 41.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 42.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 43.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 44.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 45.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 46.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 47.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 48.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 49.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 50.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 51.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 52.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 53.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 54.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 55.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 56.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 57.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 58.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 59.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 60.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 61.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 62.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 63.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 64.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 65.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 66.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 67.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 68.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 69.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 70.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 71.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 72.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 73.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 74.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 75.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 76.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 77.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 78.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 79.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 80.00000 | 65.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 0.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 1.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 2.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 3.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 4.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 5.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 6.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 7.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 8.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 9.00000  | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 10.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 11.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 12.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 13.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 14.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 15.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 16.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 17.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 18.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 19.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 20.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 21.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 22.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 23.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 24.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 25.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 26.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 27.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 28.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 29.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 30.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 31.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 32.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 33.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 34.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 35.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 36.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 37.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 38.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 39.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 40.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 41.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 42.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 43.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 44.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 45.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 46.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 47.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 48.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 49.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 50.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 51.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 52.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 53.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 54.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 55.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 56.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 57.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 58.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 59.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 60.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 61.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 62.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 63.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 64.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 65.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 66.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 67.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 68.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 69.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 70.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 71.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 72.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 73.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 74.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 75.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 76.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 77.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 66.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 67.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 56.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 68.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 69.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage: Ref. | Stage: Name | Disp. Grid: Ref. | Disp. Grid: Name | x        | y        | z       | δx   | δy   | δz   |
|-------------|-------------|------------------|------------------|----------|----------|---------|------|------|------|
|             |             |                  |                  | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|             |             |                  |                  | 35.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 36.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 37.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 38.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 39.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 40.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 41.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 42.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 43.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 44.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 45.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 46.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 47.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 48.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 49.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 50.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 51.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 52.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 53.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 54.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 55.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 56.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 57.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 58.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 59.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 60.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 61.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 62.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 63.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 64.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 65.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 66.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 67.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 68.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 69.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 70.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 71.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 72.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 73.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 74.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 75.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 76.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 77.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 78.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 79.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 80.00000 | 70.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 0.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 1.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 2.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 3.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 4.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 5.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 6.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 7.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 8.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 9.00000  | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 10.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 11.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 12.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 13.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 14.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 15.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 16.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 17.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 18.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 19.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 20.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 21.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 22.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 23.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 24.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 25.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 26.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 27.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 28.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 29.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 30.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 31.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 32.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 33.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 34.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 35.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 36.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 37.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 38.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 39.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 40.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 41.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 42.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 43.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 44.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 45.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 46.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 47.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 48.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 49.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 50.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 51.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 52.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 53.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 54.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 55.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 56.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 57.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 58.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 59.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 60.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 61.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 62.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 63.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 64.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 65.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 66.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 67.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 68.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 69.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 70.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 71.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 72.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 73.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 74.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 75.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 76.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 77.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 78.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 79.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 80.00000 | 71.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 0.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 1.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 2.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 3.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 4.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 5.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 6.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 7.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 8.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 9.00000  | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 10.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 11.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 12.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|             |             |                  |                  | 13.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 14.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 72.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 74.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 73.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 74.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 53.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 75.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 76.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 32.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 77.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 78.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 11.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 71.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 79.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 0.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 1.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 2.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 3.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 4.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 5.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 6.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 7.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 8.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 9.00000  | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 10.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 11.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 12.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 13.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 14.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 15.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 16.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 17.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 18.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 19.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 20.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 21.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 22.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 23.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 24.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 25.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 26.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 27.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 28.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 29.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 30.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 31.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 32.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 33.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 34.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 35.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 36.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 37.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 38.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 39.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 40.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 41.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 42.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 43.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 44.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 45.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 46.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 47.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 48.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 49.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 50.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 51.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 52.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 53.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 54.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 55.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 56.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 57.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 58.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 59.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 60.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 61.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 62.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 63.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 64.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 65.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 66.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 67.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 68.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 69.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 70.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage:<br>Ref. | Stage:<br>Name | Disp.<br>Grid:<br>Ref. | Disp.<br>Grid:<br>Name | x        | y        | z       | δx   | δy   | δz   |
|----------------|----------------|------------------------|------------------------|----------|----------|---------|------|------|------|
|                |                |                        |                        | [m]      | [m]      | [m]     | [mm] | [mm] | [mm] |
|                |                |                        |                        | 71.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 72.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 73.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 74.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 75.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 76.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 77.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 78.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 79.00000 | 80.00000 | 0.00000 | 0.0  | 0.0  | 0.0  |
|                |                |                        |                        | 80.00000 | 80.00000 | 0.00000 | 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         | y         | z         | δx         | δy       | δH//     | δHperp. |      |
|-------------|-----------------|-------------------------|-------------------------|-------------------|----------|-----------|-----------|-----------|------------|----------|----------|---------|------|
|             |                 |                         |                         |                   |          | [m]       | [m]       | [m]       | [m]        | [mm]     | [mm]     | [mm]    | [mm] |
| 0           | Base Model      | 1                       | 8 Kings Terrace         | 8KT - Wall 1      | 0.0      | 68.35000  | 50.00000  | -1.00000  | -0.89948   | 0.0      | -0.89948 | 0.0     |      |
|             |                 |                         |                         |                   | 0.86750  | 69.21750  | 50.00000  | -1.00000  | -0.68152   | 0.0      | -0.68152 | 0.0     |      |
|             |                 | 1.7350                  | 70.08500                | 50.00000          | -1.00000 | -0.46356  | 0.0       | -0.46356  | 0.0        |          |          |         |      |
|             |                 | 2.6025                  | 70.95250                | 50.00000          | -1.00000 | -0.24560  | 0.0       | -0.24560  | 0.0        |          |          |         |      |
|             |                 | 3.4760                  | 71.82000                | 50.00000          | -1.00000 | -0.027638 | 0.0       | -0.027638 | 0.0        |          |          |         |      |
|             |                 | 0.0                     | 71.87000                | 50.00000          | -1.00000 | -0.015075 | 0.0       | -0.015075 | 0.0        |          |          |         |      |
|             |                 | 0.96000                 | 71.87000                | 49.04000          | -1.00000 | -0.022500 | 0.0       | 0.0       | -0.022500  |          |          |         |      |
|             |                 | 1.9200                  | 71.87000                | 48.08000          | -1.00000 | -0.022500 | 0.0       | 0.0       | -0.022500  |          |          |         |      |
|             |                 | 0.0                     | 71.87000                | 48.03000          | -1.00000 | -0.022500 | 0.0       | -0.022500 | 0.0        |          |          |         |      |
|             |                 | 0.94333                 | 72.81333                | 48.03000          | -1.00000 | 0.0       | 0.0       | 0.0       | 0.0        |          |          |         |      |
| 2           | 8 Kings Terrace | 8KT - Wall 2            | 1.8867                  | 73.75667          | 48.03000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 2.8300                  | 74.70000          | 48.03000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 0.0                     | 74.70000          | 47.97000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 0.99250                 | 74.70000          | 46.97750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 1.9850                  | 74.70000          | 45.98500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 2.9775                  | 74.70000          | 44.99250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 3.9700                  | 74.70000          | 44.00000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 4.9625                  | 74.70000          | 43.00750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 5.9550                  | 74.70000          | 42.01500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 6.9475                  | 74.70000          | 41.02250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
| 3           | 8 Kings Terrace | 8KT - Wall 3            | 7.9400                  | 74.70000          | 40.03000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 8.9325                  | 74.70000          | 39.03750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 9.9250                  | 74.70000          | 38.04500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 10.918                  | 74.70000          | 37.05250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 11.910                  | 74.70000          | 36.06000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 12.903                  | 74.70000          | 35.06750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 13.895                  | 74.70000          | 34.07500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 14.888                  | 74.70000          | 33.08250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 15.880                  | 74.70000          | 32.09000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 16.872                  | 74.70000          | 31.09750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
| 4           | 8 Kings Terrace | 8KT - Wall 4            | 17.865                  | 74.70000          | 30.10500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 18.857                  | 74.70000          | 29.11250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 19.850                  | 74.70000          | 28.12000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 20.843                  | 74.70000          | 27.12750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 21.835                  | 74.70000          | 26.13500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 22.827                  | 74.70000          | 25.14250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 23.820                  | 74.70000          | 24.15000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 24.813                  | 74.70000          | 23.15750 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 25.805                  | 74.70000          | 22.16500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 26.797                  | 74.70000          | 21.17250 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
| 5           | 8 Kings Terrace | 8KT - Wall 5            | 27.790                  | 74.70000          | 20.18000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 0.0                     | 74.70000          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 0.92143                 | 73.77857          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 1.8429                  | 72.85714          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 2.7643                  | 71.93571          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 3.6857                  | 71.01429          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 4.6071                  | 70.09286          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 5.5286                  | 69.17143          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 6.4500                  | 68.25000          | 20.13000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 0.0                     | 68.25000          | 20.20000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
| 6           | 8 Kings Terrace | 8KT - Wall 6            | 0.99167                 | 68.25333          | 21.19167 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 1.9833                  | 68.25667          | 22.18333 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 2.9750                  | 68.26000          | 23.17500 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 3.9667                  | 68.26333          | 24.16667 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 4.9584                  | 68.26667          | 25.15833 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 5.9500                  | 68.27000          | 26.15000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 6.9417                  | 68.27333          | 27.14167 | -1.00000  | -0.048173 | 0.058572  | 0.058410   | 0.048370 |          |         |      |
|             |                 |                         | 7.9334                  | 68.27667          | 28.13333 | -1.00000  | -0.12376  | 0.113602  | 0.113561   | 0.12415  |          |         |      |
|             |                 |                         | 8.9251                  | 68.28000          | 29.12500 | -1.00000  | -0.22253  | 0.15484   | 0.15489    | 0.22305  |          |         |      |
|             |                 |                         | 9.9167                  | 68.28333          | 30.11667 | -1.00000  | -0.34256  | 0.16952   | 0.16837    | 0.34313  |          |         |      |
| 7           | 9 Kings Terrace | 9KT - Wall 1            | 10.908                  | 68.28667          | 31.10833 | -1.00000  | -0.48182  | 0.15837   | 0.15675    | 0.48235  |          |         |      |
|             |                 |                         | 11.900                  | 68.29000          | 32.10000 | -1.00000  | -0.63359  | 0.12218   | 0.12005    | 0.63400  |          |         |      |
|             |                 |                         | 12.892                  | 68.29333          | 33.09167 | -1.00000  | -0.78490  | 0.065597  | 0.062959   | 0.78492  |          |         |      |
|             |                 |                         | 13.883                  | 68.29667          | 34.08333 | -1.00000  | -1.3625   | 0.0       | 0.0045798  | 1.3625   |          |         |      |
|             |                 |                         | 14.875                  | 68.30000          | 35.07500 | -1.00000  | -1.3613   | 0.0       | 0.0045756  | 1.3612   |          |         |      |
|             |                 |                         | 15.867                  | 68.30333          | 36.06667 | -1.00000  | -1.3600   | 0.0       | 0.0045714  | 1.3600   |          |         |      |
|             |                 |                         | 16.858                  | 68.30667          | 37.05833 | -1.00000  | -1.3588   | 0.0       | 0.0045672  | 1.3587   |          |         |      |
|             |                 |                         | 17.850                  | 68.31000          | 38.05000 | -1.00000  | -1.3575   | 0.0       | 0.0045630  | 1.3575   |          |         |      |
|             |                 |                         | 18.842                  | 68.31333          | 39.04167 | -1.00000  | -1.3563   | 0.0       | 0.0045588  | 1.3562   |          |         |      |
|             |                 |                         | 19.833                  | 68.31667          | 40.03333 | -1.00000  | -1.3550   | 0.0       | 0.0045546  | 1.3550   |          |         |      |
| 8           | 9 Kings Terrace | 9KT - Wall 2            | 20.825                  | 68.32000          | 41.02500 | -1.00000  | -1.3538   | 0.0       | 0.0045504  | 1.3537   |          |         |      |
|             |                 |                         | 21.817                  | 68.32333          | 42.01667 | -1.00000  | -1.3525   | 0.0       | 0.0045462  | 1.3525   |          |         |      |
|             |                 |                         | 22.809                  | 68.32667          | 43.00833 | -1.00000  | -1.3513   | 0.0       | 0.0045420  | 1.3512   |          |         |      |
|             |                 |                         | 23.800                  | 68.33000          | 44.00000 | -1.00000  | -1.3500   | 0.0       | 0.0045378  | 1.3500   |          |         |      |
|             |                 |                         | 24.792                  | 68.33333          | 44.99167 | -1.00000  | -1.3488   | 0.0       | 0.0045336  | 1.3487   |          |         |      |
|             |                 |                         | 25.783                  | 68.33667          | 45.98333 | -1.00000  | -1.3475   | 0.0       | 0.0045294  | 1.3475   |          |         |      |
|             |                 |                         | 26.775                  | 68.34000          | 46.97500 | -1.00000  | -1.3463   | 0.0       | 0.0045252  | 1.3462   |          |         |      |
|             |                 |                         | 27.767                  | 68.34333          | 47.96667 | -1.00000  | -1.3450   | 0.0       | 0.0045210  | 1.3450   |          |         |      |
|             |                 |                         | 28.758                  | 68.34667          | 48.95833 | -1.00000  | -1.3438   | 0.0       | 0.0045168  | 1.3437   |          |         |      |
|             |                 |                         | 29.750                  | 68.35000          | 49.95000 | -1.00000  | -1.3425   | 0.0       | 0.0045126  | 1.3425   |          |         |      |
| 9           | 9 Kings Terrace | 9KT - Wall 3            | 0.0                     | 62.13000          | 34.00000 | -1.00000  | 0.0       | 3.2593    | -3.2593    | 0.0      |          |         |      |
|             |                 |                         | 0.96333                 | 62.13000          | 33.03667 | -1.00000  | 0.0       | 2.8621    | -2.8621    | 0.0      |          |         |      |
|             |                 |                         | 1.9267                  | 62.13000          | 32.07333 | -1.00000  | 0.0       | 2.3449    | -2.3449    | 0.0      |          |         |      |
|             |                 |                         | 2.8900                  | 62.13000          | 31.11000 | -1.00000  | 0.0       | 1.8877    | -1.8877    | 0.0      |          |         |      |
|             |                 |                         | 3.8533                  | 62.13000          | 30.14667 | -1.00000  | 0.0       | 1.4815    | -1.4815    | 0.0      |          |         |      |
|             |                 |                         | 4.8167                  | 62.13000          | 29.18333 | -1.00000  | 0.0       | 1.2395    | -1.2395    | 0.0      |          |         |      |
|             |                 |                         | 5.7800                  | 62.13000          | 28.22000 | -1.00000  | 0.0       | 0.99746   | -0.99746   | 0.0      |          |         |      |
|             |                 |                         | 0.0                     | 62.13000          | 28.17000 | -1.00000  | 0.0       | 0.98490   | 0.0        | -0.98490 |          |         |      |
|             |                 |                         | 1.0500                  | 61.08000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
|             |                 |                         | 2.1000                  | 60.03000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
| 10          | 7 Kings Terrace | 7KT - Wall 1            | 3.1500                  | 58.98000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
|             |                 |                         | 4.2000                  | 57.93000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
|             |                 |                         | 5.2500                  | 56.88000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
|             |                 |                         | 6.3000                  | 55.83000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
|             |                 |                         | 7.3500                  | 54.78000          | 28.17000 | -1.00000  | 0.0       | 1.4700    | 0.0        | -1.4700  |          |         |      |
|             |                 |                         | 0.0                     | 54.78000          | 28.22000 | -1.00000  | 0.0       | 1.4888    | 1.4888     | 0.0      |          |         |      |
|             |                 |                         | 0.96333                 | 54.78000          | 29.18333 | -1.00000  | 0.0       | 1.8500    | 1.8500     | 0.0      |          |         |      |
|             |                 |                         | 1.9267                  | 54.78000          | 30.14667 | -1.00000  | 0.0       | 2.2113    | 2.2113     | 0.0      |          |         |      |
|             |                 |                         | 2.8900                  | 54.78000          | 31.11000 | -1.00000  | 0.0       | 2.5815    | 2.5815     | 0.0      |          |         |      |
|             |                 |                         | 3.8533                  | 54.78000          | 32.07333 | -1.00000  | 0.0       | 3.4999    | 3.4999     | 0.0      |          |         |      |
| 11          | 7 Kings Terrace | 7KT - Wall 2            | 4.8167                  | 54.78000          | 33.03667 | -1.00000  | 0.0       | 4.1822    | 4.1822     | 0.0      |          |         |      |
|             |                 |                         | 5.7800                  | 54.78000          | 34.00000 | -1.00000  | 0.0       | 4.8646    | 4.8646     | 0.0      |          |         |      |
|             |                 |                         | 0.0                     | 62.13000          | 28.12000 | -1.00000  | 0.0       | 0.97234   | -0.97234   | 0.0      |          |         |      |
|             |                 |                         | 0.98333                 | 62.13000          | 27.15667 | -1.00000  | 0.0       | 0.73030   | -0.73030   | 0.0      |          |         |      |
|             |                 |                         | 1.9267                  | 62.13000          | 26.19333 | -1.00000  | 0.0       | 0.48826   | -0.48826   | 0.0      |          |         |      |
|             |                 |                         | 2.8900                  | 62.13000          | 25.23000 | -1.00000  | 0.0       | 0.24623   | -0.24623   | 0.0      |          |         |      |
|             |                 |                         | 3.8533                  | 62.13000          | 24.26667 | -1.00000  | 0.0       | 0.0041875 | -0.0041875 | 0.0      |          |         |      |
|             |                 |                         | 4.8167                  | 62.13000          | 23.30333 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 5.7800                  | 62.13000          | 22.34000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 0.0                     | 62.13000          | 22.29000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
| 12          | 7 Kings Terrace | 7KT - Wall 3            | 1.0500                  | 61.08000          | 22.29000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 2.1000                  | 60.03000          | 22.29000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 3.1500                  | 58.98000          | 22.29000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 4.2000                  | 57.93000          | 22.29000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 5.2500                  | 56.88000          | 22.29000 | -1.00000  | 0.0       | 0.0       | 0.0        | 0.0      |          |         |      |
|             |                 |                         | 6.3000                  | 55.83000          | 22.29000 | -1.0000   |           |           |            |          |          |         |      |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
| 11-13         | 138                 |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage: Ref. | Name Specific Building: Ref. | Specific Building: Name | Sub-building Name | Dist. | x       | y        | z        | δx       | δy      | δH//     | δHперп.  |         |
|-------------|------------------------------|-------------------------|-------------------|-------|---------|----------|----------|----------|---------|----------|----------|---------|
|             |                              |                         |                   |       | [m]     | [m]      | [m]      | [mm]     | [mm]    | [mm]     | [mm]     |         |
|             |                              |                         |                   |       | 3.8533  | 54.78000 | 26.19333 | -1.00000 | 0.0     | 0.72875  | 0.72875  | 0.0     |
|             |                              |                         |                   |       | 4.8167  | 54.78000 | 27.15667 | -1.00000 | 0.0     | 1.09000  | 1.09000  | 0.0     |
|             |                              |                         |                   |       | 5.7800  | 54.78000 | 28.12000 | -1.00000 | 0.0     | 1.4513   | 1.4513   | 0.0     |
| 13          | 17-19 Kings Terrace          | 17-19KT - Wall 1        |                   |       | 0.0     | 52.83000 | 50.05000 | -1.00000 | 0.0     | -4.8646  | -4.8646  | 0.0     |
|             |                              |                         |                   |       | 0.99091 | 52.83000 | 51.04091 | -1.00000 | 0.0     | -4.1627  | -4.1627  | 0.0     |
|             |                              |                         |                   |       | 1.9818  | 52.83000 | 52.03182 | -1.00000 | 0.0     | -3.4668  | -3.4668  | 0.0     |
|             |                              |                         |                   |       | 2.9727  | 52.83000 | 53.02273 | -1.00000 | 0.0     | -2.7589  | -2.7589  | 0.0     |
|             |                              |                         |                   |       | 3.9636  | 52.83000 | 54.01364 | -1.00000 | 0.0     | -2.1699  | -2.1699  | 0.0     |
|             |                              |                         |                   |       | 4.9545  | 52.83000 | 55.00455 | -1.00000 | 0.0     | -1.7983  | -1.7983  | 0.0     |
|             |                              |                         |                   |       | 5.9455  | 52.83000 | 55.99545 | -1.00000 | 0.0     | -1.4267  | -1.4267  | 0.0     |
|             |                              |                         |                   |       | 6.9364  | 52.83000 | 56.98636 | -1.00000 | 0.0     | -1.0551  | -1.0551  | 0.0     |
|             |                              |                         |                   |       | 7.9273  | 52.83000 | 57.97727 | -1.00000 | 0.0     | -0.68352 | -0.68352 | 0.0     |
|             |                              |                         |                   |       | 8.9182  | 52.83000 | 58.96818 | -1.00000 | 0.0     | -0.31193 | -0.31193 | 0.0     |
|             |                              |                         |                   |       | 9.9091  | 52.83000 | 59.95909 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 10.9000 | 52.83000 | 60.95000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
| 14          | 17-19 Kings Terrace          | 17-19KT - Wall 2        |                   |       | 0.0     | 52.83000 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 1.0333  | 53.86333 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 2.0667  | 54.89667 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 3.1000  | 55.93000 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 4.1333  | 56.96333 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 5.1667  | 57.99667 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 6.2000  | 59.03000 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 7.2333  | 60.06333 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 8.2667  | 61.09667 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 9.3000  | 62.13000 | 61.00000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
| 15          | 17-19 Kings Terrace          | 17-19KT - Wall 3        |                   |       | 0.0     | 62.13000 | 60.95000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 0.99091 | 62.13000 | 59.95909 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 1.9818  | 62.13000 | 58.96818 | -1.00000 | 0.0     | -0.20899 | 0.20899  | 0.0     |
|             |                              |                         |                   |       | 2.9727  | 62.13000 | 57.97727 | -1.00000 | 0.0     | -0.45796 | 0.45796  | 0.0     |
|             |                              |                         |                   |       | 3.9636  | 62.13000 | 56.98636 | -1.00000 | 0.0     | -0.70693 | 0.70693  | 0.0     |
|             |                              |                         |                   |       | 4.9545  | 62.13000 | 55.99545 | -1.00000 | 0.0     | -0.95589 | 0.95589  | 0.0     |
|             |                              |                         |                   |       | 5.9455  | 62.13000 | 55.00455 | -1.00000 | 0.0     | -1.2049  | 1.2049   | 0.0     |
|             |                              |                         |                   |       | 6.9364  | 62.13000 | 54.01364 | -1.00000 | 0.0     | -1.4538  | 1.4538   | 0.0     |
|             |                              |                         |                   |       | 7.9273  | 62.13000 | 53.02273 | -1.00000 | 0.0     | -1.8485  | 1.8485   | 0.0     |
|             |                              |                         |                   |       | 8.9182  | 62.13000 | 52.03182 | -1.00000 | 0.0     | -2.3187  | 2.3187   | 0.0     |
|             |                              |                         |                   |       | 9.9091  | 62.13000 | 51.04091 | -1.00000 | 0.0     | -2.7890  | 2.7890   | 0.0     |
|             |                              |                         |                   |       | 10.9000 | 62.13000 | 50.05000 | -1.00000 | 0.0     | -3.2593  | 3.2593   | 0.0     |
| 16          | 28-30 Camden High Street     | 28-30CHS - Wall 1       |                   |       | 0.0     | 50.00000 | 44.70000 | -1.00000 | 4.9000  | 0.0      | -4.9000  | 0.0     |
|             |                              |                         |                   |       | 1.0700  | 48.93000 | 44.70000 | -1.00000 | 4.1421  | 0.0      | -4.1421  | 0.0     |
|             |                              |                         |                   |       | 2.1400  | 47.86000 | 44.70000 | -1.00000 | 3.3842  | 0.0      | -3.3842  | 0.0     |
|             |                              |                         |                   |       | 3.2100  | 46.79000 | 44.70000 | -1.00000 | 2.6263  | 0.0      | -2.6263  | 0.0     |
|             |                              |                         |                   |       | 4.2800  | 45.72000 | 44.70000 | -1.00000 | 2.0700  | 0.0      | -2.0700  | 0.0     |
| 17          | 28-30 Camden High Street     | 28-30CHS - Wall 2       |                   |       | 0.0     | 50.00000 | 34.05000 | -1.00000 | 1.6415  | 1.6415   | -1.6415  | -1.6415 |
|             |                              |                         |                   |       | 1.0700  | 48.93000 | 34.05000 | -1.00000 | 2.7752  | 0.0      | -2.7752  | 0.0     |
|             |                              |                         |                   |       | 2.1400  | 47.86000 | 34.05000 | -1.00000 | 2.2674  | 0.0      | -2.2674  | 0.0     |
|             |                              |                         |                   |       | 3.2100  | 46.79000 | 34.05000 | -1.00000 | 1.7596  | 0.0      | -1.7596  | 0.0     |
|             |                              |                         |                   |       | 4.2800  | 45.72000 | 34.05000 | -1.00000 | 1.3869  | 0.0      | -1.3869  | 0.0     |
| 18          | 28-30 Camden High Street     | 28-30CHS - Wall 3       |                   |       | 0.0     | 45.72000 | 44.70000 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 0.66562 | 45.72000 | 44.03438 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 1.3312  | 45.72000 | 43.36875 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 1.9969  | 45.72000 | 42.70313 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 2.6625  | 45.72000 | 42.03750 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 3.3281  | 45.72000 | 41.37188 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 3.9938  | 45.72000 | 40.70625 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 4.6594  | 45.72000 | 40.04062 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 5.3250  | 45.72000 | 39.37500 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 5.9906  | 45.72000 | 38.70938 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 6.6563  | 45.72000 | 38.04375 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 7.3219  | 45.72000 | 37.37812 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 7.9875  | 45.72000 | 36.71250 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 8.6531  | 45.72000 | 36.04688 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 9.3188  | 45.72000 | 35.38125 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
|             |                              |                         |                   |       | 9.9844  | 45.72000 | 34.71562 | -1.00000 | 2.0700  | 0.0      | 0.0      | 2.0700  |
| 19          | 28-30 Camden High Street     | 28-30CHS - Wall 4       |                   |       | 10.6500 | 45.72000 | 34.05000 | -1.00000 | 1.3869  | 0.0      | 0.0      | 1.3869  |
|             |                              |                         |                   |       | 0.0     | 45.72000 | 44.70000 | -1.00000 | 2.0700  | 0.0      | -2.0700  | 0.0     |
|             |                              |                         |                   |       | 1.0154  | 44.70462 | 44.70000 | -1.00000 | 1.6892  | 0.0      | -1.6892  | 0.0     |
|             |                              |                         |                   |       | 2.0308  | 43.68923 | 44.70000 | -1.00000 | 1.3085  | 0.0      | -1.3085  | 0.0     |
|             |                              |                         |                   |       | 3.0462  | 42.67385 | 44.70000 | -1.00000 | 0.92769 | 0.0      | -0.92769 | 0.0     |
|             |                              |                         |                   |       | 4.0615  | 41.65846 | 44.70000 | -1.00000 | 0.54692 | 0.0      | -0.54692 | 0.0     |
|             |                              |                         |                   |       | 5.0769  | 40.64308 | 44.70000 | -1.00000 | 0.16615 | 0.0      | -0.16615 | 0.0     |
|             |                              |                         |                   |       | 6.0923  | 39.62769 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 7.1077  | 38.61231 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 8.1231  | 37.59692 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 9.1385  | 36.58154 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 10.154  | 35.56615 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 11.169  | 34.55077 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 12.185  | 33.53538 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 13.200  | 32.52000 | 44.70000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
| 20          | 28-30 Camden High Street     | 28-30CHS - Wall 5       |                   |       | 0.0     | 45.72000 | 34.05000 | -1.00000 | 1.3869  | 0.0      | -1.3869  | 0.0     |
|             |                              |                         |                   |       | 1.0154  | 44.70462 | 34.05000 | -1.00000 | 1.1318  | 0.0      | -1.1318  | 0.0     |
|             |                              |                         |                   |       | 2.0308  | 43.68923 | 34.05000 | -1.00000 | 0.87667 | 0.0      | -0.87667 | 0.0     |
|             |                              |                         |                   |       | 3.0462  | 42.67385 | 34.05000 | -1.00000 | 0.62155 | 0.0      | -0.62155 | 0.0     |
|             |                              |                         |                   |       | 4.0615  | 41.65846 | 34.05000 | -1.00000 | 0.36644 | 0.0      | -0.36644 | 0.0     |
|             |                              |                         |                   |       | 5.0769  | 40.64308 | 34.05000 | -1.00000 | 0.11132 | 0.0      | -0.11132 | 0.0     |
|             |                              |                         |                   |       | 6.0923  | 39.62769 | 34.05000 | -1.00000 | 0.0     | 0.0      | 0.0      | 0.0     |
|             |                              |                         |                   |       | 7.1077  | 38.61231 | 34.05000 | -1.00000 | 0.0     | 0.0      |          |         |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD 138

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
| 11-13         |                     |         |
| Drg. Ref.     |                     |         |
| MAde by<br>AT | Date<br>25-May-2021 | Checked |

| Stage Ref. | Stage: Name | Specific Building: Ref. | Specific Building: Name | Sub-building Name | Dist. | x       | y        | z        | δx       | δy       | δH//      | δHперп.   |           |
|------------|-------------|-------------------------|-------------------------|-------------------|-------|---------|----------|----------|----------|----------|-----------|-----------|-----------|
|            |             |                         |                         |                   |       | [m]     | [m]      | [m]      | [m]      | [mm]     | [mm]      | [mm]      | [mm]      |
|            |             |                         |                         |                   |       | 1.0700  | 48.93000 | 55.67000 | -1.00000 | 0.089722 | -0.86178  | -0.089722 | 0.86178   |
|            |             |                         |                         |                   |       | 2.1400  | 47.86000 | 55.67000 | -1.00000 | 0.16110  | -0.66893  | -0.16110  | 0.66893   |
|            |             |                         |                         |                   |       | 3.2100  | 46.79000 | 55.67000 | -1.00000 | 0.20196  | -0.48591  | -0.20196  | 0.48591   |
|            |             |                         |                         |                   |       | 4.2800  | 45.72000 | 55.67000 | -1.00000 | 0.20808  | -0.32779  | -0.20808  | 0.32779   |
|            |             |                         |                         |                   |       | 5.3000  | 45.72000 | 55.67000 | -1.00000 | 0.20808  | -0.32779  | -0.20808  | 0.32779   |
| 27         |             |                         | 34 Camden High Street   | 34CHS - Wall 2    |       | 1.0600  | 45.72000 | 54.61000 | -1.00000 | 0.31347  | -0.35513  | 0.35513   | 0.31347   |
|            |             |                         |                         |                   |       | 2.1200  | 45.72000 | 53.55000 | -1.00000 | 0.47647  | -0.35040  | 0.35040   | 0.47647   |
|            |             |                         |                         |                   |       | 3.1800  | 45.72000 | 52.49000 | -1.00000 | 0.70586  | -0.30494  | 0.30494   | 0.70586   |
|            |             |                         |                         |                   |       | 4.2400  | 45.72000 | 51.43000 | -1.00000 | 0.98657  | -0.20351  | 0.20351   | 0.98657   |
|            |             |                         |                         |                   |       | 5.3000  | 45.72000 | 50.37000 | -1.00000 | 1.2877   | -0.05656  | 0.05656   | 1.2877    |
| 28         |             |                         | 34 Camden High Street   | 34CHS - Wall 3    |       | 0.0     | 45.72000 | 55.67000 | -1.00000 | 0.20808  | -0.32779  | -0.20808  | 0.32779   |
|            |             |                         |                         |                   |       | 1.0154  | 44.70462 | 55.67000 | -1.00000 | 0.13750  | -0.11500  | -0.13750  | 0.11500   |
|            |             |                         |                         |                   |       | 2.0308  | 43.68923 | 55.67000 | -1.00000 | 0.13750  | -0.11500  | -0.13750  | 0.11500   |
|            |             |                         |                         |                   |       | 3.0462  | 42.67385 | 55.67000 | -1.00000 | 0.063876 | -0.042142 | -0.063876 | 0.042142  |
|            |             |                         |                         |                   |       | 4.0615  | 41.65846 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 5.0769  | 40.64308 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 6.0923  | 39.62769 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 7.1077  | 38.61231 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 8.1231  | 37.59692 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 9.1385  | 36.58154 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 10.154  | 35.56615 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 11.169  | 34.55077 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 12.185  | 33.53538 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 13.200  | 32.52000 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
| 29         |             |                         | 34 Camden High Street   | 34CHS - Wall 4    |       | 0.0     | 32.52000 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 0.0     | 32.52000 | 55.67000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 1.0600  | 32.51600 | 54.61000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 2.1200  | 32.51200 | 53.55000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 3.1800  | 32.50800 | 52.49000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 4.2400  | 32.50400 | 51.43000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 5.3000  | 32.50000 | 50.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
| 30         |             |                         | 26 Camden High Street   | 26CHS - Wall 1    |       | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.0      | 1.4700    | 1.4700    | 0.0       |
|            |             |                         |                         |                   |       | 0.98000 | 52.68000 | 29.15000 | -1.00000 | 0.0      | 1.8375    | 1.8375    | 0.0       |
|            |             |                         |                         |                   |       | 1.9600  | 52.68000 | 30.13000 | -1.00000 | 0.0      | 2.2050    | 2.2050    | 0.0       |
|            |             |                         |                         |                   |       | 2.9400  | 52.68000 | 31.11000 | -1.00000 | 0.0      | 2.8175    | 2.8175    | 0.0       |
|            |             |                         |                         |                   |       | 3.9200  | 52.68000 | 32.09000 | -1.00000 | 0.0      | 3.5117    | 3.5117    | 0.0       |
|            |             |                         |                         |                   |       | 4.9000  | 52.68000 | 33.07000 | -1.00000 | 0.0      | 4.2058    | 4.2058    | 0.0       |
|            |             |                         |                         |                   |       | 5.8800  | 52.68000 | 34.05000 | -1.00000 | 0.0      | 4.9000    | 4.9000    | 0.0       |
| 31         |             |                         | 26 Camden High Street   | 26CHS - Wall 2    |       | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.0      | 1.4700    | 0.0       | -1.4700   |
|            |             |                         |                         |                   |       | 0.99429 | 51.68571 | 28.17000 | -1.00000 | 0.0      | 1.4700    | 0.0       | -1.4700   |
|            |             |                         |                         |                   |       | 1.9886  | 50.69143 | 28.17000 | -1.00000 | 0.0      | 1.4700    | 0.0       | -1.4700   |
|            |             |                         |                         |                   |       | 2.9829  | 49.69714 | 28.17000 | -1.00000 | 0.024031 | 0.94257   | -0.024031 | -0.94257  |
|            |             |                         |                         |                   |       | 3.9771  | 48.70286 | 28.17000 | -1.00000 | 0.097932 | 0.78485   | -0.097932 | -0.78485  |
|            |             |                         |                         |                   |       | 4.9714  | 47.70857 | 28.17000 | -1.00000 | 0.15477  | 0.61667   | -0.15477  | -0.61667  |
|            |             |                         |                         |                   |       | 5.9657  | 46.71429 | 28.17000 | -1.00000 | 0.18638  | 0.45677   | -0.18638  | -0.45677  |
|            |             |                         |                         |                   |       | 6.9600  | 45.72000 | 28.17000 | -1.00000 | 0.18981  | 0.31609   | -0.18981  | -0.31609  |
|            |             |                         |                         |                   |       | 7.9549  | 44.70462 | 28.17000 | -1.00000 | 0.13869  | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 8.9499  | 43.68923 | 28.17000 | -1.00000 | 0.1149   | 0.14534   | -0.14534  | 1.14534   |
|            |             |                         |                         |                   |       | 9.9400  | 42.67385 | 28.17000 | -1.00000 | 0.060151 | 0.33103   | -0.33103  | 0.60151   |
|            |             |                         |                         |                   |       | 10.9200 | 41.65846 | 28.17000 | -1.00000 | 0.40980  | 0.35371   | -0.35371  | 0.40980   |
|            |             |                         |                         |                   |       | 11.9000 | 40.64308 | 28.17000 | -1.00000 | 0.28229  | 0.35336   | -0.35336  | 0.28229   |
|            |             |                         |                         |                   |       | 12.8800 | 39.62769 | 28.17000 | -1.00000 | 0.18981  | 0.31609   | -0.31609  | 0.18981   |
| 33         |             |                         | 26 Camden High Street   | 26CHS - Wall 4    |       | 0.0     | 45.72000 | 28.17000 | -1.00000 | 0.18981  | 0.31609   | -0.18981  | -0.31609  |
|            |             |                         |                         |                   |       | 1.0154  | 44.70462 | 28.17000 | -1.00000 | 0.16513  | 0.19668   | -0.16513  | -0.19668  |
|            |             |                         |                         |                   |       | 2.0308  | 43.68923 | 28.17000 | -1.00000 | 0.11842  | 0.10515   | -0.11842  | 0.10515   |
|            |             |                         |                         |                   |       | 3.0462  | 42.67385 | 28.17000 | -1.00000 | 0.046945 | 0.032778  | -0.046945 | -0.032778 |
|            |             |                         |                         |                   |       | 4.0615  | 41.65846 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 5.0769  | 40.64308 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 6.0923  | 39.62769 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 7.1077  | 38.61231 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 8.1231  | 37.59692 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 9.1385  | 36.58154 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 10.154  | 35.56615 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 11.169  | 34.55077 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 12.185  | 33.53538 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 13.200  | 32.52000 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
| 34         |             |                         | 26 Camden High Street   | 26CHS - Wall 5    |       | 0.0     | 32.52000 | 28.17000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 0.98000 | 32.52000 | 29.15000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 1.9600  | 32.52000 | 30.13000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 2.9400  | 32.52000 | 31.11000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 3.9200  | 32.52000 | 32.09000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 4.9000  | 32.52000 | 33.07000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 5.8800  | 32.52000 | 34.05000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
| 35         |             |                         | 24 Camden High Street   | 24CHS - Wall 1    |       | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.0      | 1.4700    | -1.4700   | 0.0       |
|            |             |                         |                         |                   |       | 0.96667 | 52.68000 | 27.20333 | -1.00000 | 0.0      | 1.1075    | -1.1075   | 0.0       |
|            |             |                         |                         |                   |       | 1.9333  | 52.68000 | 26.23667 | -1.00000 | 0.0      | 0.74500   | -0.74500  | 0.0       |
|            |             |                         |                         |                   |       | 2.9000  | 52.68000 | 25.27000 | -1.00000 | 0.0      | 0.38250   | -0.38250  | 0.0       |
|            |             |                         |                         |                   |       | 3.8667  | 52.68000 | 24.30333 | -1.00000 | 0.0      | 0.020000  | -0.020000 | 0.0       |
|            |             |                         |                         |                   |       | 4.8333  | 52.68000 | 23.33667 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 5.8000  | 52.68000 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 6.0     | 52.68000 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
| 36         |             |                         | 24 Camden High Street   | 24CHS - Wall 2    |       | 0.99429 | 51.68571 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 1.9886  | 50.69143 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 2.9829  | 49.69714 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 3.9771  | 48.70286 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 4.9714  | 47.70857 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 5.9657  | 46.71429 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 6.9600  | 45.72000 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
| 37         |             |                         | 24 Camden High Street   | 24CHS - Wall 3    |       | 0.0     | 45.72000 | 22.37000 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            |             |                         |                         |                   |       | 0.96667 | 45.72000 | 21.33667 | -1.00000 | 0.0      | 0.0       | 0.0       | 0.0       |
|            | </          |                         |                         |                   |       |         |          |          |          |          |           |           |           |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD 138

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

Tabular Inputs & Outputs

|             |             |                         |                         | Job No.           | Sheet No.           | Rev.    |          |          |          |           |
|-------------|-------------|-------------------------|-------------------------|-------------------|---------------------|---------|----------|----------|----------|-----------|
|             |             |                         |                         | 138               |                     |         |          |          |          |           |
|             |             |                         |                         | Drg. Ref.         |                     |         |          |          |          |           |
|             |             |                         |                         | Made by<br>AT     | Date<br>25-May-2021 | Checked |          |          |          |           |
| 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]     |           |
|             |             |                         |                         |                   |                     | 1.8867  | 73.75667 | 48.03000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 2.8300  | 74.70000 | 48.03000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.0     | 74.70000 | 47.97000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.99250 | 74.70000 | 46.97750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 1.9850  | 74.70000 | 45.98500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 2.9775  | 74.70000 | 44.99250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 3.9700  | 74.70000 | 44.00000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 4.9625  | 74.70000 | 43.00750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 5.9550  | 74.70000 | 42.01500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 6.9475  | 74.70000 | 41.02250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 7.9400  | 74.70000 | 40.03000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 8.9325  | 74.70000 | 39.03750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 9.9250  | 74.70000 | 38.04500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 10.918  | 74.70000 | 37.05250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 11.910  | 74.70000 | 36.06000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 12.903  | 74.70000 | 35.06750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 13.895  | 74.70000 | 34.07500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 14.888  | 74.70000 | 33.08250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 15.880  | 74.70000 | 32.09000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 16.872  | 74.70000 | 31.09750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 17.865  | 74.70000 | 30.10500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 18.857  | 74.70000 | 29.11250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 19.850  | 74.70000 | 28.12000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 20.843  | 74.70000 | 27.12750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 21.835  | 74.70000 | 26.13500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 22.827  | 74.70000 | 25.14250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 23.820  | 74.70000 | 24.15000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 24.813  | 74.70000 | 23.15750 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 25.805  | 74.70000 | 22.16500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 26.797  | 74.70000 | 21.17250 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 27.790  | 74.70000 | 20.18000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.0     | 74.70000 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.92143 | 73.77857 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 1.8429  | 72.85714 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 2.7643  | 71.93571 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 3.6857  | 71.01429 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 4.6071  | 70.09286 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 5.5286  | 69.17143 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 6.4500  | 68.25000 | 20.13000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.0     | 68.25000 | 20.20000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.99167 | 68.25333 | 21.19167 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 1.9833  | 68.25667 | 22.18333 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 2.9750  | 68.26000 | 23.17500 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 3.9667  | 68.26333 | 24.16667 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 4.9584  | 68.26667 | 25.15833 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 5.9500  | 68.27000 | 26.15000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 6.9417  | 68.27333 | 27.14167 | -1.00000 | 0.017268  |
|             |             |                         |                         |                   |                     | 7.9334  | 68.27667 | 28.13333 | -1.00000 | 0.031112  |
|             |             |                         |                         |                   |                     | 8.9251  | 68.28000 | 29.12500 | -1.00000 | 0.053930  |
|             |             |                         |                         |                   |                     | 9.9167  | 68.28333 | 30.11667 | -1.00000 | 0.091846  |
|             |             |                         |                         |                   |                     | 10.908  | 68.28667 | 31.10833 | -1.00000 | 0.14281   |
|             |             |                         |                         |                   |                     | 11.900  | 68.29000 | 32.10000 | -1.00000 | 0.19799   |
|             |             |                         |                         |                   |                     | 12.892  | 68.29333 | 33.09167 | -1.00000 | 0.24486   |
|             |             |                         |                         |                   |                     | 13.883  | 68.29667 | 34.08333 | -1.00000 | 0.40374   |
|             |             |                         |                         |                   |                     | 14.875  | 68.30000 | 35.07500 | -1.00000 | 0.40283   |
|             |             |                         |                         |                   |                     | 15.867  | 68.30333 | 36.06667 | -1.00000 | 0.40191   |
|             |             |                         |                         |                   |                     | 16.858  | 68.30667 | 37.05833 | -1.00000 | 0.40100   |
|             |             |                         |                         |                   |                     | 17.850  | 68.31000 | 38.05000 | -1.00000 | 0.40009   |
|             |             |                         |                         |                   |                     | 18.842  | 68.31333 | 39.04167 | -1.00000 | 0.39918   |
|             |             |                         |                         |                   |                     | 19.833  | 68.31667 | 40.03333 | -1.00000 | 0.39828   |
|             |             |                         |                         |                   |                     | 20.825  | 68.32000 | 41.02500 | -1.00000 | 0.39737   |
|             |             |                         |                         |                   |                     | 21.817  | 68.32333 | 42.01667 | -1.00000 | 0.39647   |
|             |             |                         |                         |                   |                     | 22.808  | 68.32667 | 43.00833 | -1.00000 | 0.39556   |
|             |             |                         |                         |                   |                     | 23.800  | 68.33000 | 44.00000 | -1.00000 | 0.39466   |
|             |             |                         |                         |                   |                     | 24.792  | 68.33333 | 44.99167 | -1.00000 | 0.39376   |
|             |             |                         |                         |                   |                     | 25.783  | 68.33667 | 45.98333 | -1.00000 | 0.39286   |
|             |             |                         |                         |                   |                     | 26.775  | 68.34000 | 46.97500 | -1.00000 | 0.39196   |
|             |             |                         |                         |                   |                     | 27.767  | 68.34333 | 47.96667 | -1.00000 | 0.39107   |
|             |             |                         |                         |                   |                     | 28.758  | 68.34667 | 48.95833 | -1.00000 | 0.39017   |
|             |             |                         |                         |                   |                     | 29.750  | 68.35000 | 49.95000 | -1.00000 | 0.38928   |
|             |             |                         |                         |                   |                     | 0.0     | 62.13000 | 34.00000 | -1.00000 | 1.4733    |
|             |             |                         |                         |                   |                     | 0.96333 | 62.13000 | 33.03667 | -1.00000 | 1.5086    |
|             |             |                         |                         |                   |                     | 1.9267  | 62.13000 | 32.07333 | -1.00000 | 1.3279    |
|             |             |                         |                         |                   |                     | 2.8900  | 62.13000 | 31.11000 | -1.00000 | 1.0911    |
|             |             |                         |                         |                   |                     | 3.8533  | 62.13000 | 30.14667 | -1.00000 | 0.82820   |
|             |             |                         |                         |                   |                     | 4.8167  | 62.13000 | 29.18333 | -1.00000 | 0.56654   |
|             |             |                         |                         |                   |                     | 5.7800  | 62.13000 | 28.22000 | -1.00000 | 0.33664   |
|             |             |                         |                         |                   |                     | 0.0     | 62.13000 | 28.17000 | -1.00000 | 0.32629   |
|             |             |                         |                         |                   |                     | 1.0500  | 61.08000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 2.1000  | 60.03000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 3.1500  | 58.98000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 4.2000  | 57.93000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 5.2500  | 56.88000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 6.3000  | 55.83000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 7.3500  | 54.78000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                     | 0.0     | 54.78000 | 28.22000 | -1.00000 | 0.50245   |
|             |             |                         |                         |                   |                     | 0.96333 | 54.78000 | 29.18333 | -1.00000 | 0.84558   |
|             |             |                         |                         |                   |                     | 1.9267  | 54.78000 | 30.14667 | -1.00000 | 1.2361    |
|             |             |                         |                         |                   |                     | 2.8900  | 54.78000 | 31.11000 | -1.00000 | 1.6285    |
|             |             |                         |                         |                   |                     | 3.8533  | 54.78000 | 32.07333 | -1.00000 | 1.9820    |
|             |             |                         |                         |                   |                     | 4.8167  | 54.78000 | 33.03667 | -1.00000 | 2.2517    |
|             |             |                         |                         |                   |                     | 5.7800  | 54.78000 | 34.00000 | -1.00000 | 2.1989    |
|             |             |                         |                         |                   |                     | 0.0     | 62.13000 | 28.12000 | -1.00000 | 0.31612   |
|             |             |                         |                         |                   |                     | 0.96333 | 62.13000 | 27.15667 | -1.00000 | 0.15780   |
|             |             |                         |                         |                   |                     | 1.9267  | 62.13000 | 26.19333 | -1.00000 | 0.070277  |
|             |             |                         |                         |                   |                     | 2.8900  | 62.13000 | 25.23000 | -1.00000 | 0.033443  |
|             |             |                         |                         |                   |                     | 3.8533  | 62.13000 | 24.26667 | -1.00000 | 0.0022765 |
|             |             |                         |                         |                   |                     | 4.8167  | 62.13000 | 23.30333 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 5.7800  | 62.13000 | 22.34000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 0.0     | 62.13000 | 22.29000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 1.0500  | 61.08000 | 22.29000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 2.1000  | 60.03000 | 22.29000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 3.1500  | 58.98000 | 22.29000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 4.2000  | 57.93000 | 22.29000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 5.2500  | 56.88000 | 22.29000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                     | 6.3000  | 55.8     |          |          |           |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP

Ground Movement Assessment

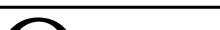
Tabular Inputs & Outputs

|               |                     |         |
|---------------|---------------------|---------|
| Job No.       | Sheet No.           | Rev.    |
| 11-13         | 138                 |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| 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]     |          |
|             |                          |                         |                         |                   |                 | 4.9545  | 62.13000 | 55.99545 | -1.00000 | 0.30308  |
|             |                          |                         |                         |                   |                 | 5.9455  | 62.13000 | 55.00455 | -1.00000 | 0.53066  |
|             |                          |                         |                         |                   |                 | 6.9364  | 62.13000 | 54.01364 | -1.00000 | 0.79823  |
|             |                          |                         |                         |                   |                 | 7.9273  | 62.13000 | 53.02273 | -1.00000 | 1.06098  |
|             |                          |                         |                         |                   |                 | 8.9182  | 62.13000 | 52.03182 | -1.00000 | 1.31511  |
|             |                          |                         |                         |                   |                 | 9.9091  | 62.13000 | 51.04091 | -1.00000 | 1.56545  |
|             |                          |                         |                         |                   |                 | 10.900  | 62.13000 | 50.05000 | -1.00000 | 1.47333  |
| 16          | 28-30 Camden High Street |                         | 28-30CHS - Wall 1       |                   | 0.0             | 0.0     | 50.00000 | 44.70000 | -1.00000 | 2.17999  |
|             |                          |                         |                         |                   |                 | 1.0700  | 48.93000 | 44.70000 | -1.00000 | 2.24144  |
|             |                          |                         |                         |                   |                 | 2.1400  | 47.86000 | 44.70000 | -1.00000 | 1.92466  |
|             |                          |                         |                         |                   |                 | 3.2100  | 46.79000 | 44.70000 | -1.00000 | 1.52344  |
|             |                          |                         |                         |                   |                 | 4.2800  | 45.72000 | 44.70000 | -1.00000 | 1.08244  |
| 17          | 28-30 Camden High Street |                         | 28-30CHS - Wall 2       |                   | 0.0             | 0.0     | 50.00000 | 34.05000 | -1.00000 | 1.46066  |
|             |                          |                         |                         |                   |                 | 1.0700  | 48.93000 | 34.05000 | -1.00000 | 1.50177  |
|             |                          |                         |                         |                   |                 | 2.1400  | 47.86000 | 34.05000 | -1.00000 | 1.28955  |
|             |                          |                         |                         |                   |                 | 3.2100  | 46.79000 | 34.05000 | -1.00000 | 1.02077  |
|             |                          |                         |                         |                   |                 | 4.2800  | 45.72000 | 34.05000 | -1.00000 | 0.72521  |
| 18          | 28-30 Camden High Street |                         | 28-30CHS - Wall 3       |                   | 0.0             | 0.0     | 45.72000 | 44.70000 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 0.66562 | 45.72000 | 44.03438 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 1.3312  | 45.72000 | 43.36875 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 1.9969  | 45.72000 | 42.70313 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 2.6625  | 45.72000 | 42.03750 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 3.3281  | 45.72000 | 41.37188 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 3.9938  | 45.72000 | 40.70625 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 4.6594  | 45.72000 | 40.04062 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 5.3250  | 45.72000 | 39.37500 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 5.9906  | 45.72000 | 38.70938 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 6.6563  | 45.72000 | 38.04375 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 7.3219  | 45.72000 | 37.37812 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 7.9875  | 45.72000 | 36.71250 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 8.6531  | 45.72000 | 36.04688 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 9.3188  | 45.72000 | 35.38125 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 9.9844  | 45.72000 | 34.71562 | -1.00000 | 1.08244  |
| 19          | 28-30 Camden High Street |                         | 28-30CHS - Wall 4       |                   | 0.0             | 0.0     | 45.72000 | 34.05000 | -1.00000 | 0.72521  |
|             |                          |                         |                         |                   |                 | 0.66562 | 45.72000 | 34.05000 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 1.0154  | 44.70462 | 44.70000 | -1.00000 | 0.45780  |
|             |                          |                         |                         |                   |                 | 2.0308  | 43.68923 | 44.70000 | -1.00000 | 0.24483  |
|             |                          |                         |                         |                   |                 | 3.0462  | 42.67385 | 44.70000 | -1.00000 | 0.11034  |
|             |                          |                         |                         |                   |                 | 4.0615  | 41.65846 | 44.70000 | -1.00000 | 0.047638 |
|             |                          |                         |                         |                   |                 | 5.0769  | 40.64308 | 44.70000 | -1.00000 | 0.019276 |
|             |                          |                         |                         |                   |                 | 6.0923  | 39.62769 | 44.70000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 7.1077  | 38.61231 | 44.70000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 8.1231  | 37.59692 | 44.70000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 9.1385  | 36.58154 | 44.70000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 10.154  | 35.56615 | 44.70000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 11.169  | 34.55077 | 44.70000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 12.185  | 33.53538 | 44.70000 | -1.00000 | 0.0      |
| 20          | 28-30 Camden High Street |                         | 28-30CHS - Wall 5       |                   | 0.0             | 0.0     | 45.72000 | 34.05000 | -1.00000 | 0.72521  |
|             |                          |                         |                         |                   |                 | 1.0154  | 44.70462 | 34.05000 | -1.00000 | 0.45780  |
|             |                          |                         |                         |                   |                 | 2.0308  | 43.68923 | 34.05000 | -1.00000 | 0.24483  |
|             |                          |                         |                         |                   |                 | 3.0462  | 42.67385 | 34.05000 | -1.00000 | 0.11034  |
|             |                          |                         |                         |                   |                 | 4.0615  | 41.65846 | 34.05000 | -1.00000 | 0.047638 |
|             |                          |                         |                         |                   |                 | 5.0769  | 40.64308 | 34.05000 | -1.00000 | 0.019276 |
|             |                          |                         |                         |                   |                 | 6.0923  | 39.62769 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 7.1077  | 38.61231 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 8.1231  | 37.59692 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 9.1385  | 36.58154 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 10.154  | 35.56615 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 11.169  | 34.55077 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 12.185  | 33.53538 | 34.05000 | -1.00000 | 0.0      |
| 21          | 28-30 Camden High Street |                         | 28-30CHS - Wall 6       |                   | 0.0             | 0.0     | 32.52000 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 0.66562 | 32.52000 | 34.05000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 1.3312  | 32.52000 | 35.38125 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 1.9969  | 32.52000 | 36.04688 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 2.6625  | 32.52000 | 36.71250 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 3.3281  | 32.52000 | 37.37812 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 3.9938  | 32.52000 | 38.04375 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 4.6594  | 32.52000 | 38.70938 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 5.3250  | 32.52000 | 39.37500 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 5.9906  | 32.52000 | 40.04062 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 6.6563  | 32.52000 | 40.70625 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 7.3219  | 32.52000 | 41.37188 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 7.9875  | 32.52000 | 42.03750 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 8.6531  | 32.52000 | 42.70313 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 9.3188  | 32.52000 | 43.36875 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 9.9844  | 32.52000 | 44.03438 | -1.00000 | 0.0      |
| 22          | 32 Camden High Street    |                         | 32CHS - Wall 1          |                   | 0.0             | 0.0     | 50.00000 | 44.70000 | -1.00000 | 1.46066  |
|             |                          |                         |                         |                   |                 | 1.0700  | 48.93000 | 44.70000 | -1.00000 | 1.50177  |
|             |                          |                         |                         |                   |                 | 2.1400  | 47.86000 | 44.70000 | -1.00000 | 1.28955  |
|             |                          |                         |                         |                   |                 | 3.2100  | 46.79000 | 44.70000 | -1.00000 | 1.02077  |
|             |                          |                         |                         |                   |                 | 4.2800  | 45.72000 | 44.70000 | -1.00000 | 0.72521  |
| 23          | 32 Camden High Street    |                         | 32CHS - Wall 2          |                   | 0.0             | 0.0     | 45.72000 | 50.00000 | -1.00000 | 0.72521  |
|             |                          |                         |                         |                   |                 | 1.0600  | 45.72000 | 48.94000 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 2.1200  | 45.72000 | 47.88000 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 3.1800  | 45.72000 | 46.82000 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 4.2400  | 45.72000 | 45.76000 | -1.00000 | 1.08244  |
|             |                          |                         |                         |                   |                 | 5.3000  | 45.72000 | 44.70000 | -1.00000 | 1.08244  |
| 24          | 32 Camden High Street    |                         | 32CHS - Wall 3          |                   | 0.0             | 0.0     | 45.72000 | 50.00000 | -1.00000 | 0.72521  |
|             |                          |                         |                         |                   |                 | 1.0154  | 44.70462 | 50.00000 | -1.00000 | 0.45780  |
|             |                          |                         |                         |                   |                 | 2.0308  | 43.68923 | 50.00000 | -1.00000 | 0.24483  |
|             |                          |                         |                         |                   |                 | 3.0462  | 42.67385 | 50.00000 | -1.00000 | 0.11034  |
|             |                          |                         |                         |                   |                 | 4.0615  | 41.65846 | 50.00000 | -1.00000 | 0.047638 |
|             |                          |                         |                         |                   |                 | 5.0769  | 40.64308 | 50.00000 | -1.00000 | 0.019276 |
|             |                          |                         |                         |                   |                 | 6.0923  | 39.62769 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 7.1077  | 38.61231 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 8.1231  | 37.59692 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 9.1385  | 36.58154 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 10.154  | 35.56615 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 11.169  | 34.55077 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 12.185  | 33.53538 | 50.00000 | -1.00000 | 0.0      |
| 25          | 32 Camden High Street    |                         | 32CHS - Wall 4          |                   | 0.0             | 0.0     | 32.52000 | 50.00000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 1.0600  | 32.51600 | 48.94000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 2.1200  | 32.51200 | 47.88000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 3.1800  | 32.50800 | 46.82000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 4.2400  | 32.50400 | 45.76000 | -1.00000 | 0.0      |
|             |                          |                         |                         |                   |                 | 5.3000  | 32.50000 | 44.70000 | -1.00000 | 0.0      |
| 26          | 34 Camden High Street    |                         | 34CHS - Wall 1          |                   | 0.0             | 0.0     | 50.00000 | 55.67000 | -1.00000 | 0.37095  |
|             |                          |                         |                         |                   |                 | 1.0700  | 48.93000 | 55.67000 | -1.00000 | 0.32824  |
|             |                          |                         |                         |                   |                 | 2.1400  | 47.86000 | 55.67000 | -1.00000 | 0.25660  |
|             |                          |                         |                         |                   |                 | 3.2100  | 46.79000 | 55.67000 | -1.00000 | 0.17601  |
|             |                          |                         |                         |                   |                 | 4.2800  | 45.72000 | 55.67000 | -1.00000 | 0.10515  |
| 27          | 34 Camden High Street    |                         | 34CHS - Wall 2          |                   | 0.0             | 0.0     | 45.72000 | 55.67000 | -1.00000 | 0.10515  |
|             |                          |                         |                         |                   |                 | 1.0600  | 45.72000 | 54.61000 | -1.00000 | 0.18831  |
|             |                          |                         |                         |                   |                 | 2.1200  | 45.72000 | 53.55000 | -1.00000 | 0.30695  |
|             |                          |                         |                         |                   |                 | 3.1800  | 45.72000 | 52.49000 | -1.00000 | 0.45168  |
|             |                          |                         |                         |                   |                 | 4.2400  | 45.72000 | 51.43000 | -1.00000 | 0.59521  |
|             |                          |                         |                         |                   |                 | 5.3000  | 45.72000 | 50.37000 | -1.00000 | 0.70074  |
| 28          | 34 Camden High Street    |                         | 34CHS - Wall 3          |                   | 0.0             | 0.0     | 45.72000 | 55.67000 | -1.00000 | 0.10515  |
|             |                          |                         |                         |                   |                 |         |          |          |          |          |



## Tabular Inputs & Outputs

|                                                                                                                                                                                                                                        |               |                     |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|---------|
|  <b>GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD</b><br>11-13 King's Terrace, London NW1 0JP<br>Ground Movement Assessment<br>Tabular Inputs & Outputs | Job No.       | Sheet No.           | Rev.    |
|                                                                                                                                                                                                                                        | 11138         |                     |         |
|                                                                                                                                                                                                                                        | Drg. Ref.     |                     |         |
|                                                                                                                                                                                                                                        | Made by<br>AT | Date<br>25-May-2021 | Checked |

| 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]     |           |
|             |             | 30                      | 26 Camden High Street   | 26CHS - Wall 1    | 0.0             | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 0.96000 | 52.68000 | 29.15000 | -1.00000 | 0.83253   |
|             |             |                         |                         |                   |                 | 1.9600  | 52.68000 | 30.13000 | -1.00000 | 1.2324    |
|             |             |                         |                         |                   |                 | 2.9400  | 52.68000 | 31.11000 | -1.00000 | 1.6285    |
|             |             |                         |                         |                   |                 | 3.9200  | 52.68000 | 32.09000 | -1.00000 | 1.9878    |
|             |             |                         |                         |                   |                 | 4.9000  | 52.68000 | 33.07000 | -1.00000 | 2.2572    |
|             |             |                         |                         |                   |                 | 5.8800  | 52.68000 | 34.05000 | -1.00000 | 2.3799    |
|             |             | 31                      | 26 Camden High Street   | 26CHS - Wall 2    | 0.0             | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 0.99429 | 51.68571 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 1.9886  | 50.69143 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 2.9829  | 49.69714 | 28.17000 | -1.00000 | 0.31930   |
|             |             |                         |                         |                   |                 | 3.9771  | 48.70286 | 28.17000 | -1.00000 | 0.27711   |
|             |             |                         |                         |                   |                 | 4.9714  | 47.70857 | 28.17000 | -1.00000 | 0.2545    |
|             |             |                         |                         |                   |                 | 5.9657  | 46.71429 | 28.17000 | -1.00000 | 0.14926   |
|             |             |                         |                         |                   |                 | 6.9600  | 45.72000 | 28.17000 | -1.00000 | 0.09197   |
|             |             | 32                      | 26 Camden High Street   | 26CHS - Wall 3    | 0.0             | 0.0     | 45.72000 | 34.05000 | -1.00000 | 0.72521   |
|             |             |                         |                         |                   |                 | 0.96000 | 45.72000 | 33.07000 | -1.00000 | 0.6123    |
|             |             |                         |                         |                   |                 | 1.9600  | 45.72000 | 32.09000 | -1.00000 | 0.52436   |
|             |             |                         |                         |                   |                 | 2.9400  | 45.72000 | 31.11000 | -1.00000 | 0.38916   |
|             |             |                         |                         |                   |                 | 3.9200  | 45.72000 | 30.13000 | -1.00000 | 0.26017   |
|             |             |                         |                         |                   |                 | 4.9000  | 45.72000 | 29.15000 | -1.00000 | 0.16333   |
|             |             |                         |                         |                   |                 | 5.8800  | 45.72000 | 28.17000 | -1.00000 | 0.09197   |
|             |             |                         |                         |                   |                 | 0.0     | 45.72000 | 28.17000 | -1.00000 | 0.09197   |
|             |             | 33                      | 26 Camden High Street   | 26CHS - Wall 4    | 0.0             | 0.0     | 45.72000 | 28.17000 | -1.00000 | 0.05116   |
|             |             |                         |                         |                   |                 | 1.0154  | 44.70462 | 28.17000 | -1.00000 | 0.02925   |
|             |             |                         |                         |                   |                 | 2.0308  | 43.68923 | 28.17000 | -1.00000 | 0.02925   |
|             |             |                         |                         |                   |                 | 3.0462  | 42.67385 | 28.17000 | -1.00000 | 0.01453   |
|             |             |                         |                         |                   |                 | 4.0615  | 41.65846 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 5.0769  | 40.64308 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 6.0923  | 39.62769 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 7.1077  | 38.61231 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 8.1231  | 37.59692 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 9.1385  | 36.58154 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 10.154  | 35.56615 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 11.169  | 34.55077 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 12.185  | 33.53538 | 28.17000 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 13.200  | 32.52000 | 28.17000 | -1.00000 | 0.0       |
|             |             | 34                      | 26 Camden High Street   | 26CHS - Wall 5    | 0.0             | 0.0     | 32.52000 | 34.05000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 0.96000 | 32.52000 | 29.15000 | -1.00000 | 0.83253   |
|             |             |                         |                         |                   |                 | 1.9600  | 32.52000 | 30.13000 | -1.00000 | 1.2324    |
|             |             |                         |                         |                   |                 | 2.9400  | 32.52000 | 31.11000 | -1.00000 | 1.6285    |
|             |             |                         |                         |                   |                 | 3.9200  | 32.52000 | 32.09000 | -1.00000 | 1.9878    |
|             |             |                         |                         |                   |                 | 4.9000  | 32.52000 | 33.07000 | -1.00000 | 2.2572    |
|             |             |                         |                         |                   |                 | 5.8800  | 32.52000 | 34.05000 | -1.00000 | 2.3799    |
|             |             | 35                      | 24 Camden High Street   | 24CHS - Wall 1    | 0.0             | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 0.96667 | 52.68000 | 27.26333 | -1.00000 | 0.24444   |
|             |             |                         |                         |                   |                 | 1.9333  | 52.68000 | 26.23667 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 2.9000  | 52.68000 | 25.27000 | -1.00000 | 0.05144   |
|             |             |                         |                         |                   |                 | 3.8667  | 52.68000 | 24.30333 | -1.00000 | 0.0061476 |
|             |             |                         |                         |                   |                 | 4.8333  | 52.68000 | 23.33667 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 5.8000  | 52.68000 | 22.37000 | -1.00000 | 0.0       |
|             |             | 36                      | 24 Camden High Street   | 24CHS - Wall 2    | 0.0             | 0.0     | 52.68000 | 28.17000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 0.99429 | 51.68571 | 22.37000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 1.9886  | 50.69143 | 22.37000 | -1.00000 | 0.48700   |
|             |             |                         |                         |                   |                 | 2.9829  | 49.69714 | 22.37000 | -1.00000 | 0.31930   |
|             |             |                         |                         |                   |                 | 3.9771  | 48.70286 | 22.37000 | -1.00000 | 0.27711   |
|             |             |                         |                         |                   |                 | 4.9714  | 47.70857 | 22.37000 | -1.00000 | 0.2545    |
|             |             |                         |                         |                   |                 | 5.9657  | 46.71429 | 22.37000 | -1.00000 | 0.14926   |
|             |             |                         |                         |                   |                 | 6.9600  | 45.72000 | 22.37000 | -1.00000 | 0.09197   |
|             |             |                         |                         |                   |                 | 0.0     | 45.72000 | 22.37000 | -1.00000 | 0.09197   |
|             |             | 37                      | 24 Camden High Street   | 24CHS - Wall 3    | 0.0             | 0.0     | 45.72000 | 22.37000 | -1.00000 | 0.05116   |
|             |             |                         |                         |                   |                 | 0.96667 | 45.72000 | 23.33667 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 1.9333  | 45.72000 | 24.30333 | -1.00000 | 0.0       |
|             |             |                         |                         |                   |                 | 2.9000  | 45.72000 | 25.27000 | -1.00000 | 0.0026251 |
|             |             |                         |                         |                   |                 | 3.8667  | 45.72000 | 26.23667 | -1.00000 | 0.026163  |
|             |             |                         |                         |                   |                 | 4.8333  | 45.72000 | 27.26333 | -1.00000 | 0.048134  |
|             |             |                         |                         |                   |                 | 5.8000  | 45.72000 | 28.17000 | -1.00000 | 0.09197   |
|             |             |                         |                         |                   |                 | 0.0     | 45.72000 | 28.17000 | -1.00000 | 0.09197   |
|             |             | 38                      | 24 Camden High Street   | 24CHS - Wall 4    | 0.0             | 0.0     | 45.72000 | 22.37000 | -1.00000 | 0.05116   |
|             |             |                         |                         |                   |                 |         |          |          |          |           |

| Stage: Name            | Specific Building: Name | Sub-building Name   | Vertical Offset                    | Segment | Start                                                           | Length | Curvature | Deflection | Average    | Max        | Max Gradient                  | Max Gradient       | Min                |
|------------------------|-------------------------|---------------------|------------------------------------|---------|-----------------------------------------------------------------|--------|-----------|------------|------------|------------|-------------------------------|--------------------|--------------------|
| Damage Category        | Building: Ref.          |                     | from Line for                      |         |                                                                 |        |           | Ratio      | Horizontal | Tensile    | of                            | of Vertical        | Radius             |
| Curvature              | Ref.                    |                     | Vertical Movement Calculations [m] |         |                                                                 |        |           |            | Strain     | Strain     | Horizontal Displacement Curve | Displacement Curve | [m]                |
| 0                      | Base Model 1            | 8 Kings Terrace     | 8KT - Wall 1                       | 0.0     | 1                                                               | 0.0    | 0.86750   | None       | 0.0        | 0.025125   | 0.025125                      | -251.19E-6         | 145.28E-6          |
| 12459.0 (Negligible)   | 2                       | 8 Kings Terrace     | 8KT - Wall 2                       | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
|                        | 3                       | 8 Kings Terrace     | 8KT - Wall 3                       | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
|                        | 4                       | 8 Kings Terrace     | 8KT - Wall 4                       | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
|                        | 5                       | 8 Kings Terrace     | 8KT - Wall 5                       | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
|                        | 6                       | 8 Kings Terrace     | 8KT - Wall 6                       | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
| 39586.0 (Negligible)   |                         |                     |                                    |         | 2                                                               | 16.988 | 2.1938    | Hogging    | 935.93E-6  | -0.0049288 | 0.0011290                     | 68.110E-6          | -160.22E-6         |
| 18953.0 (Negligible)   |                         |                     |                                    |         | 1                                                               | 13.102 | 2.7645    | Sagging    | 0.0032656  | -0.0019242 | 0.0026026                     | 68.110E-6          | -160.22E-6         |
| 6.0 (Negligible)       |                         |                     |                                    |         | 3                                                               | 15.867 | 13.883    | Hogging    | 226.40E-9  | 423.69E-9  | 679.49E-9                     | -4.2369E-9         | 919.92E-9 763.03E+ |
| 3629.1.0 (Negligible)  | 7                       | 9 Kings Terrace     | 9KT - Wall 1                       | 0.0     | 1                                                               | 0.0    | 3.7857    | Sagging    | 0.0051250  | 0.046206   | 0.049734                      | -474.36E-6         | 272.80E-6          |
| 23554.0 (Negligible)   |                         |                     |                                    |         | 2                                                               | 3.7857 | 1.9943    | Hogging    | 822.56E-6  | 0.025703   | 0.025860                      | -421.47E-6         | 272.80E-6          |
| 5488.1.0 (Negligible)  | 8                       | 9 Kings Terrace     | 9KT - Wall 2                       | 0.0     | 1                                                               | 0.0    | 3.1500    | Sagging    | 0.0034013  | 0.0        | 0.0032713                     | 0.0                | -153.06E-6         |
| - 0 (Negligible)       |                         |                     |                                    |         | 2                                                               | 3.1500 | 4.2000    | None       | 0.0        | 0.0        | 35.763E-9                     | 0.0                | 0.0                |
| 15783.0 (Negligible)   | 9                       | 9 Kings Terrace     | 9KT - Wall 3                       | 0.0     | 1                                                               | 0.0    | 1.9940    | Hogging    | 0.0012277  | 0.038359   | 0.038593                      | -628.93E-6         | -407.07E-6         |
| 2432.6.1 (Very Slight) |                         |                     |                                    |         | 2                                                               | 1.9940 | 3.7860    | Sagging    | 0.0076472  | 0.068964   | 0.074229                      | -707.83E-6         | -407.07E-6         |
| 12245.0 (Negligible)   | 10                      | 7 Kings Terrace     | 7KT - Wall 1                       | 0.0     | 1                                                               | 0.0    | 0.96333   | Sagging    | 0.0        | 0.025125   | 0.025125                      | -251.19E-6         | 164.31E-6          |
|                        | 11                      | 7 Kings Terrace     | 7KT - Wall 2                       | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
|                        | 12                      | 7 Kings Terrace     | 7KT - Wall 3                       | 0.0     | 1                                                               | 3.8533 | 1.9267    | Hogging    | 0.0027136  | 0.037500   | 0.038001                      | -374.86E-6         | -245.20E-6         |
| 8206.1.0 (Negligible)  |                         |                     |                                    |         | 1                                                               | 0.0    | 3.7930    | Sagging    | 0.0077101  | 0.068370   | 0.073687                      | -707.83E-6         | 408.80E-6          |
| 2493.7.1 (Very Slight) | 13                      | 17-19 Kings Terrace | 17-19KT - Wall 1                   | 0.0     | 1                                                               | 0.0    | 3.7930    | Hogging    | 0.0030066  | 0.038691   | 0.039591                      | -594.07E-6         | 408.80E-6          |
| 9840.3.0 (Negligible)  |                         |                     |                                    |         | 2                                                               | 3.7930 | 3.1434    | Hogging    | 0.0030066  | 0.038691   | 0.039591                      | -594.07E-6         | 408.80E-6          |
|                        | 14                      | 17-19 Kings Terrace | 17-19KT - Wall 2                   | 0.0     | All vertical displacements are less than the limit sensitivity. |        |           |            |            |            |                               |                    |                    |
|                        | 15                      | 17-19 Kings Terrace | 17-19KT - Wall 3                   | 0.0     | 1                                                               | 3.9636 | 3.1437    | Hogging    | 0.0020147  | 0.025924   | 0.026527                      | -398.10E-6         | -273.95E-6         |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
| 1113          | 138                 |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

| Stage of Damage Ref.  | Stage: Name Category | Specific Building: Name Building: Ref. | Specific Building: Name  | Sub-building Name | Vertical Offset from Line for | Segment                                                         | Start   | Length  | Curvature | Deflection | Average    | Max       | Max Gradient | Max Gradient | Min    |
|-----------------------|----------------------|----------------------------------------|--------------------------|-------------------|-------------------------------|-----------------------------------------------------------------|---------|---------|-----------|------------|------------|-----------|--------------|--------------|--------|
|                       |                      |                                        |                          |                   |                               |                                                                 |         |         |           | Ratio      | Horizontal | Tensile   | of           | of Vertical  | Radius |
| 14683.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 7.1073  | 3.7927  | Sagging   | 0.0051672  | 0.045808   | 0.049372  | -474.36E-6   | -273.95E-6   |        |
| 3720.20 (Negligible)  |                      | 16                                     | 28-30 Camden High Street | 28-30CHS - Wall 1 | 0.0                           | 1                                                               | 0.0     | 4.2800  | Sagging   | 0.0078319  | 0.066121   | 0.075424  | -707.83E-6   | 411.90E-6    |        |
| 2537.92 (Slight)      |                      | 17                                     | 28-30 Camden High Street | 28-30CHS - Wall 2 | 0.0                           | 1                                                               | 0.0     | 4.2800  | Sagging   | 0.0052448  | 0.0059486  | 0.012178  | 0.0010607    | 276.02E-6    |        |
| 3782.60 (Negligible)  |                      | 18                                     | 28-30 Camden High Street | 28-30CHS - Wall 3 | 0.0                           | 1                                                               | 0.0     | 8.6531  | None      | 0.0        | 0.0        | 35.763E-9 | 0.0          | 0.0          |        |
|                       |                      |                                        |                          |                   |                               | 2                                                               | 8.6531  | 1.9969  | Sagging   | 0.011925   | 0.0        | 0.011890  | 0.0          | 536.63E-6    |        |
| 992.310 (Negligible)  |                      | 19                                     | 28-30 Camden High Street | 28-30CHS - Wall 4 | 0.0                           | 1                                                               | 0.0     | 3.0462  | Hogging   | 0.0034513  | 0.037500   | 0.037936  | -374.86E-6   | 392.92E-6    |        |
| 9764.60 (Negligible)  |                      | 20                                     | 28-30 Camden High Street | 28-30CHS - Wall 5 | 0.0                           | 1                                                               | 0.0     | 3.0462  | Hogging   | 0.0023127  | 0.025125   | 0.025417  | -251.19E-6   | 263.29E-6    |        |
| 14570.0 (Negligible)  |                      | 21                                     | 28-30 Camden High Street | 28-30CHS - Wall 6 | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
| 3782.60 (Negligible)  |                      | 22                                     | 32 Camden High Street    | 32CHS - Wall 1    | 0.0                           | 1                                                               | 0.0     | 4.2800  | Sagging   | 0.0052448  | 0.0059486  | 0.012178  | 0.0010607    | 276.02E-6    |        |
| 2516.50 (Negligible)  |                      | 23                                     | 32 Camden High Street    | 32CHS - Wall 2    | 0.0                           | 1                                                               | 0.0     | 3.1800  | Sagging   | 0.0074883  | 0.0        | 0.0074320 | 0.0          | -336.97E-6   |        |
|                       |                      |                                        |                          |                   |                               | 2                                                               | 3.1800  | 2.1190  | None      | 0.0        | 0.0        | 35.763E-9 | 0.0          | 0.0          |        |
| 14570.0 (Negligible)  |                      | 24                                     | 32 Camden High Street    | 32CHS - Wall 3    | 0.0                           | 1                                                               | 0.0     | 3.0462  | Hogging   | 0.0023127  | 0.025125   | 0.025417  | -251.19E-6   | 263.29E-6    |        |
|                       |                      | 25                                     | 32 Camden High Street    | 32CHS - Wall 4    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 26                                     | 34 Camden High Street    | 34CHS - Wall 1    | 0.0                           | 1                                                               | 0.0     | 2.8322  | Sagging   | 707.71E-6  | -0.0066215 | 0.0013759 | 83.860E-6    | 75.316E-6    |        |
| 33750.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 2.8322  | 1.4478  | Hogging   | 174.99E-6  | -0.0014192 | 301.37E-6 | 38.193E-6    | 75.316E-6    |        |
| 79508.0 (Negligible)  |                      | 27                                     | 34 Camden High Street    | 34CHS - Wall 2    | 0.0                           | 1                                                               | 0.0     | 3.0257  | Hogging   | 0.0010188  | -536.33E-6 | 852.26E-6 | 42.884E-6    | -136.55E-6   |        |
| 29700.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 3.0257  | 2.2743  | Sagging   | 778.73E-6  | -0.011208  | 0.0022861 | 138.56E-6    | -136.55E-6   |        |
| 28063.0 (Negligible)  |                      | 28                                     | 34 Camden High Street    | 34CHS - Wall 3    | 0.0                           | 1                                                               | 0.0     | 0.0     | None      | 0.0        | 0.0        | 35.763E-9 | -24.607E-6   | 46.611E-6    |        |
| 40728.0 (Negligible)  |                      | 29                                     | 34 Camden High Street    | 34CHS - Wall 4    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 30                                     | 26 Camden High Street    | 26CHS - Wall 1    | 0.0                           | 1                                                               | 0.0     | 2.8445  | Hogging   | 0.0012987  | 0.038533   | 0.038981  | -624.61E-6   | -407.02E-6   |        |
| 15105.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 2.8445  | 3.8345  | Sagging   | 0.0080820  | 0.068887   | 0.077819  | -707.83E-6   | -407.02E-6   |        |
| 2339.32 (Slight)      |                      | 31                                     | 26 Camden High Street    | 26CHS - Wall 2    | 0.0                           | 1                                                               | 0.0     | 0.49714 | None      | 0.0        | 0.0        | 35.763E-9 | 0.0          | 0.0          |        |
| 23579.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 0.49714 | 2.2537  | Sagging   | 0.0037459  | -817.52E-6 | 0.0032265 | 24.170E-6    | 168.67E-6    |        |
| 18884.0 (Negligible)  |                      |                                        |                          |                   |                               | 3                                                               | 2.7599  | 2.0286  | Hogging   | 0.0011747  | -0.0061803 | 0.0014132 | 74.331E-6    | 168.67E-6    |        |
| 48375.0 (Negligible)  |                      |                                        |                          |                   |                               | 4                                                               | 4.7795  | 0.65893 | Sagging   | 93.808E-6  | -0.0039185 | 785.53E-6 | 57.168E-6    | 66.568E-6    |        |
| 201940.0 (Negligible) |                      |                                        |                          |                   |                               | 5                                                               | 5.4384  | 0.52728 | Hogging   | 0.0        | -0.0031796 | 635.90E-6 | 31.797E-6    | 66.568E-6    |        |
| 178440.0 (Negligible) |                      | 32                                     | 26 Camden High Street    | 26CHS - Wall 3    | 0.0                           | 1                                                               | 0.0     | 2.6299  | Sagging   | 0.0010772  | -0.011745  | 0.0024300 | 148.33E-6    | 137.97E-6    |        |
| 21366.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 2.6299  | 2.2701  | Hogging   | 838.89E-6  | -0.0019590 | 660.00E-6 | 71.413E-6    | 137.97E-6    |        |
| 35359.0 (Negligible)  |                      | 33                                     | 26 Camden High Street    | 26CHS - Wall 4    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 34                                     | 26 Camden High Street    | 26CHS - Wall 5    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 35                                     | 24 Camden High Street    | 24CHS - Wall 1    | 0.0                           | 1                                                               | 0.0     | 1.9333  | Hogging   | 0.0027355  | 0.037500   | 0.038393  | -374.86E-6   | 250.83E-6    |        |
| 8200.40 (Negligible)  |                      | 36                                     | 24 Camden High Street    | 24CHS - Wall 2    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 37                                     | 24 Camden High Street    | 24CHS - Wall 3    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 38                                     | 24 Camden High Street    | 24CHS - Wall 4    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 39                                     | 24 Camden High Street    | 24CHS - Wall 5    | 0.0                           | All vertical displacements are less than the limit sensitivity. |         |         |           |            |            |           |              |              |        |
|                       |                      | 40                                     | 34 Camden High Street    | 34CHS - Wall 5    | 0.0                           | 1                                                               | 0.0     | 1.4631  | Hogging   | 49.091E-6  | 0.025538   | 0.025550  | -383.45E-6   | -271.59E-6   |        |
| 46589.0 (Negligible)  |                      |                                        |                          |                   |                               | 2                                                               | 1.4631  | 4.2069  | Sagging   | 0.0053542  | 0.0054717  | 0.011763  | 683.91E-6    | -271.59E-6   |        |

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

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

| Stage of Damage Ref. | Stage: Name Category | Specific Building: Name Building: Ref. | Specific Building: Name  | Sub-building Name | Vertical Offset from Line for Vertical Movement Calculations [m] | Deflection Ratio [%] | Average Horizontal Strain [%] | Max Slope  | Max Settlement [mm] | Max Tensile Strain [%] | Max Gradient of Horizontal Displacement Curve | Max Gradient of Vertical Displacement Curve | Min Radius of Curvature (Hogging) [m] | Min Radius of Curvature (Sagging) [m] |
|----------------------|----------------------|----------------------------------------|--------------------------|-------------------|------------------------------------------------------------------|----------------------|-------------------------------|------------|---------------------|------------------------|-----------------------------------------------|---------------------------------------------|---------------------------------------|---------------------------------------|
| 0 (Negligible)       | Base Model           | 1                                      | 8 Kings Terrace          | 8KT - Wall 1      | 0.0                                                              | 0.0                  | 0.025125                      | 145.28E-6  | 0.26081             | 0.025125               | -251.19E-6                                    | 145.28E-6                                   | -                                     | -0                                    |
| (Negligible)         |                      | 6                                      | 8 Kings Terrace          | 8KT - Wall 6      | 0.0                                                              | 0.0032656            | -0.0049288                    | -160.22E-6 | 0.40374             | 0.0026026              | 68.110E-6                                     | -160.22E-6                                  | 39586.                                | 18953.0                               |
| (Negligible)         |                      | 7                                      | 9 Kings Terrace          | 9KT - Wall 1      | 0.0                                                              | 0.0051250            | 0.046206                      | 272.80E-6  | 1.5083              | 0.049734               | -474.36E-6                                    | 272.80E-6                                   | 23554.                                | 3629.10                               |
| (Negligible)         |                      | 8                                      | 9 Kings Terrace          | 9KT - Wall 2      | 0.0                                                              | 0.0034013            | 0.0                           | -153.06E-6 | 0.48700             | 0.0032713              | 0.0                                           | -153.06E-6                                  | -                                     | 5488.10                               |
| (Very Slight)        |                      | 9                                      | 9 Kings Terrace          | 9KT - Wall 3      | 0.0                                                              | 0.0076472            | 0.068964                      | -407.07E-6 | 2.2513              | 0.074229               | -707.83E-6                                    | -407.07E-6                                  | 15783.                                | 2432.61                               |
| (Negligible)         |                      | 10                                     | 7 Kings Terrace          | 7KT - Wall 1      | 0.0                                                              | 0.0                  | 0.025125                      | 164.31E-6  | 0.31612             | 0.025125               | -251.19E-6                                    | 164.31E-6                                   | -                                     | 12245.0                               |
| (Negligible)         |                      | 12                                     | 7 Kings Terrace          | 7KT - Wall 3      | 0.0                                                              | 0.0027136            | 0.037500                      | -245.20E-6 | 0.47182             | 0.038001               | -374.86E-6                                    | -245.20E-6                                  | 8206.1                                | -0                                    |
| (Very Slight)        |                      | 13                                     | 17-19 Kings Terrace      | 17-19KT - Wall 1  | 0.0                                                              | 0.0077101            | 0.068370                      | 408.80E-6  | 2.2453              | 0.073687               | -707.83E-6                                    | 408.80E-6                                   | 9840.3                                | 2493.71                               |
| (Negligible)         |                      | 15                                     | 17-19 Kings Terrace      | 17-19KT - Wall 3  | 0.0                                                              | 0.0051672            | 0.045808                      | -273.95E-6 | 1.5044              | 0.049372               | -474.36E-6                                    | -273.95E-6                                  | 14683.                                | 3720.20                               |
| (Slight)             |                      | 16                                     | 28-30 Camden High Street | 28-30CHS - Wall 1 | 0.0                                                              | 0.0078319            | 0.066121                      | 411.90E-6  | 2.5945              | 0.075424               | -707.83E-6                                    | 411.90E-6                                   | -                                     | 2537.92                               |
| (Negligible)         |                      | 17                                     | 28-30 Camden High Street | 28-30CHS - Wall 2 | 0.0                                                              | 0.0052448            | 0.0059486                     | 276.02E-6  | 1.5005              | 0.012178               | 0.0010607                                     | 276.02E-6                                   | -                                     | 3782.60                               |
| (Negligible)         |                      | 18                                     | 28-30 Camden High Street | 28-30CHS - Wall 3 | 0.0                                                              | 0.011925             | 0.0                           | 536.63E-6  | 1.0824              | 0.011890               | 0.0                                           | 536.63E-6                                   | -                                     | 992.310                               |
| (Negligible)         |                      | 19                                     | 28-30 Camden High Street | 28-30CHS - Wall 4 | 0.0                                                              | 0.0034513            | 0.037500                      | 392.92E-6  | 1.0824              | 0.037936               | -374.86E-6                                    | 392.92E-6                                   | 9764.6                                | -0                                    |
| (Negligible)         |                      | 20                                     | 28-30 Camden High Street | 28-30CHS - Wall 5 | 0.0                                                              | 0.0023127            | 0.025125                      | 263.29E-6  | 0.72521             | 0.025417               | -251.19E-6                                    | 263.29E-6                                   | 14570.                                | -0                                    |
| (Negligible)         |                      | 22                                     | 32 Camden High Street    | 32CHS - Wall 1    | 0.0                                                              | 0.0052448            | 0.0059486                     | 276.02E-6  | 1.5005              | 0.012178               | 0.0010607                                     | 276.02E-6                                   | -                                     | 3782.60                               |
| (Negligible)         |                      | 23                                     | 32 Camden High Street    | 32CHS - Wall 2    | 0.0                                                              | 0.0074883            | 0.0                           | -336.97E-6 | 1.0824              | 0.0074320              | 0.0                                           | -336.97E-6                                  | -                                     | 2516.50                               |
| (Negligible)         |                      | 24                                     | 32 Camden High Street    | 32CHS - Wall 3    | 0.0                                                              | 0.0023127            | 0.025125                      | 263.29E-6  | 0.72521             | 0.025417               | -251.19E-6                                    | 263.29E-6                                   | 14570.                                | -0                                    |
| (Negligible)         |                      | 26                                     | 34 Camden High Street    | 34CHS - Wall 1    | 0.0                                                              | 707.71E-6            | -0.0066215                    | 75.316E-6  | 0.37895             | 0.0013759              | 83.860E-6                                     | 75.316E-6                                   | 79508.                                | 33750.0                               |
| (Negligible)         |                      | 27                                     | 34 Camden High Street    | 34CHS - Wall 2    | 0.0                                                              | 0.0010188            | -0.011208                     | -136.55E-6 | 0.70074             | 0.0022861              | 138.56E-6                                     | -136.55E-6                                  | 29700.                                | 28063.0                               |
| (Negligible)         |                      | 28                                     | 34 Camden High Street    | 34CHS - Wall 3    | 0.0                                                              | 0.0                  | 0.0                           | 46.611E-6  | 0.10515             | 35.763E-9              | -24.607E-6                                    | 46.611E-6                                   | -                                     | -0                                    |
| (Negligible)         |                      | 30                                     | 26 Camden High Street    | 26CHS - Wall 1    | 0.0                                                              | 0.0080820            | 0.068887                      | -407.02E-6 | 2.2564              | 0.077819               | -707.83E-6                                    | -407.02E-6                                  | 15105.                                | 2339.32                               |
| (Slight)             |                      | 31                                     | 26 Camden High Street    | 26CHS - Wall 2    | 0.0                                                              | 0.0037459            | -0.0061803                    | 168.67E-6  | 0.48700             | 0.0032265              | 74.331E-6                                     | 168.67E-6                                   | 48375.                                | 18884.0                               |
| (Negligible)         |                      | 32                                     | 26 Camden High Street    | 26CHS - Wall 3    | 0.0                                                              | 0.0010772            | -0.011745                     | 137.97E-6  | 0.72521             | 0.0024300              | 148.33E-6                                     | 137.97E-6                                   | 35359.                                | 21366.0                               |
| (Negligible)         |                      | 35                                     | 24 Camden High Street    | 24CHS - Wall 1    | 0.0                                                              | 0.0027355            | 0.037500                      | 250.83E-6  | 0.48700             | 0.038393               | -374.86E-6                                    | 250.83E-6                                   | 8200.4                                | -0                                    |
| (Negligible)         |                      | 40                                     | 34 Camden High Street    | 34CHS - Wall 5    | 0.0                                                              | 0.0053542            | 0.025538                      | -271.59E-6 | 1.4606              | 0.025550               | 683.91E-6                                     | -271.59E-6                                  | 46589.                                | 5296.00                               |

## Specific Building Damage Results - Critical Segments within Each Building

| Stage of Damage Ref. | Stage: Name Category | Specific Building: Name Building: Ref. | Parameter | Critical Sub-Building | Critical Segment | Start | End | Curvature | Max Slope | Max Settlement | Max Tensile Strain | Max Radius of Curvature (Hogging) [m] | Min Radius of Curvature (Sagging) [m] |
|----------------------|----------------------|----------------------------------------|-----------|-----------------------|------------------|-------|-----|-----------|-----------|----------------|--------------------|---------------------------------------|---------------------------------------|
|                      |                      |                                        |           |                       |                  | [m]   | [m] |           |           | [mm]           | [%]                |                                       |                                       |



# GEOTECHNICAL AND ENVIRONMENTAL ASSOCIATES LTD

11-13 King's Terrace, London NW1 0JP  
Ground Movement Assessment  
Tabular Inputs & Outputs

| Job No.       | Sheet No.           | Rev.    |
|---------------|---------------------|---------|
| 11138         |                     |         |
| Drg. Ref.     |                     |         |
| Made by<br>AT | Date<br>25-May-2021 | Checked |

|               |            |   |                          |                                   |                   |   |        |         |         |           |         |           |        |        |   |
|---------------|------------|---|--------------------------|-----------------------------------|-------------------|---|--------|---------|---------|-----------|---------|-----------|--------|--------|---|
| 0             | Base Model | 0 | 8 Kings Terrace          | Max Slope                         | 8KT - Wall 6      | 1 | 10.908 | 13.102  | Hogging | 160.22E-6 | 0.27858 | 0.0011290 | 39586. | -      | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 8KT - Wall 6      | 2 | 13.102 | 15.867  | Sagging | 160.22E-6 | 0.40374 | 0.0026026 | -      | 18953. | 0 |
| (Negligible)  |            |   |                          | Max Tensile Strain                | 8KT - Wall 1      | 1 | 0.0    | 0.86750 | Sagging | 145.28E-6 | 0.26081 | 0.025125  | -      | 12459. | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 8KT - Wall 6      | 1 | 10.908 | 13.102  | Hogging | 160.22E-6 | 0.27858 | 0.0011290 | 39586. | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 8KT - Wall 6      | 2 | 13.102 | 15.867  | Sagging | 160.22E-6 | 0.40374 | 0.0026026 | -      | 18953. | 0 |
| (Negligible)  | 0          |   | 9 Kings Terrace          | Max Slope                         | 9KT - Wall 3      | 1 | 0.0    | 1.9940  | Hogging | 407.07E-6 | 1.2636  | 0.038593  | 15783. | -      | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 9KT - Wall 3      | 2 | 1.9940 | 5.7800  | Sagging | 407.07E-6 | 2.2513  | 0.074229  | -      | 2432.6 | 1 |
| (Very Slight) |            |   |                          | Max Tensile Strain                | 9KT - Wall 3      | 2 | 1.9940 | 5.7800  | Sagging | 407.07E-6 | 2.2513  | 0.074229  | -      | 2432.6 | 1 |
| (Very Slight) |            |   |                          | Min Radius of Curvature (Hogging) | 9KT - Wall 3      | 1 | 0.0    | 1.9940  | Hogging | 407.07E-6 | 1.2636  | 0.038593  | 15783. | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 9KT - Wall 3      | 2 | 1.9940 | 5.7800  | Sagging | 407.07E-6 | 2.2513  | 0.074229  | -      | 2432.6 | 1 |
| (Very Slight) | 0          |   | 7 Kings Terrace          | Max Slope                         | 7KT - Wall 3      | 1 | 3.8533 | 5.7800  | Hogging | 245.20E-6 | 0.47182 | 0.038001  | 8206.1 | -      | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 7KT - Wall 3      | 1 | 3.8533 | 5.7800  | Hogging | 245.20E-6 | 0.47182 | 0.038001  | 8206.1 | -      | 0 |
| (Negligible)  |            |   |                          | Max Tensile Strain                | 7KT - Wall 3      | 1 | 3.8533 | 5.7800  | Hogging | 245.20E-6 | 0.47182 | 0.038001  | 8206.1 | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 7KT - Wall 3      | 1 | 3.8533 | 5.7800  | Hogging | 245.20E-6 | 0.47182 | 0.038001  | 8206.1 | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 7KT - Wall 1      | 1 | 0.0    | 0.96333 | Sagging | 164.31E-6 | 0.31612 | 0.025125  | -      | 12245. | 0 |
| (Very Slight) | 0          |   | 17-19 Kings Terrace      | Max Slope                         | 17-19KT - Wall 1  | 1 | 0.0    | 3.7930  | Sagging | 408.80E-6 | 2.2453  | 0.073687  | -      | 2493.7 | 1 |
| (Very Slight) |            |   |                          | Max Settlement                    | 17-19KT - Wall 1  | 1 | 0.0    | 3.7930  | Sagging | 408.80E-6 | 2.2453  | 0.073687  | -      | 2493.7 | 1 |
| (Very Slight) |            |   |                          | Max Tensile Strain                | 17-19KT - Wall 1  | 1 | 0.0    | 3.7930  | Sagging | 408.80E-6 | 2.2453  | 0.073687  | -      | 2493.7 | 1 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 17-19KT - Wall 1  | 2 | 3.7930 | 6.9364  | Hogging | 408.80E-6 | 1.2612  | 0.039591  | 9840.3 | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 17-19KT - Wall 1  | 1 | 0.0    | 3.7930  | Sagging | 408.80E-6 | 2.2453  | 0.073687  | -      | 2493.7 | 1 |
| (Very Slight) | 0          |   | 28-30 Camden High Street | Max Slope                         | 28-30CHS - Wall 3 | 2 | 8.6531 | 10.650  | Sagging | 536.63E-6 | 1.0824  | 0.011890  | -      | 992.31 | 0 |
| (Slight)      |            |   |                          | Max Settlement                    | 28-30CHS -Wall 1  | 1 | 0.0    | 4.2800  | Sagging | 411.90E-6 | 2.2395  | 0.075424  | -      | 2537.9 | 2 |
| (Slight)      |            |   |                          | Max Tensile Strain                | 28-30CHS -Wall 1  | 1 | 0.0    | 4.2800  | Sagging | 411.90E-6 | 2.2395  | 0.075424  | -      | 2537.9 | 2 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 28-30CHS - Wall 4 | 1 | 0.0    | 3.0462  | Hogging | 392.92E-6 | 1.0824  | 0.037936  | 9764.6 | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 28-30CHS - Wall 3 | 2 | 8.6531 | 10.650  | Sagging | 536.63E-6 | 1.0824  | 0.011890  | -      | 992.31 | 0 |
| (Negligible)  | 0          |   | 32 Camden High Street    | Max Slope                         | 32CHS - Wall 2    | 1 | 0.0    | 3.1800  | Sagging | 336.97E-6 | 1.0824  | 0.0074320 | -      | 2516.5 | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 32CHS - Wall 1    | 1 | 0.0    | 4.2800  | Sagging | 276.02E-6 | 1.5005  | 0.012178  | -      | 3782.6 | 0 |
| (Negligible)  |            |   |                          | Max Tensile Strain                | 32CHS - Wall 3    | 1 | 0.0    | 3.0462  | Hogging | 263.29E-6 | 0.72521 | 0.025417  | 14570. | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 32CHS - Wall 3    | 1 | 0.0    | 3.0462  | Hogging | 263.29E-6 | 0.72521 | 0.025417  | 14570. | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 32CHS - Wall 2    | 1 | 0.0    | 3.1800  | Sagging | 336.97E-6 | 1.0824  | 0.0074320 | -      | 2516.5 | 0 |
| (Negligible)  | 0          |   | 34 Camden High Street    | Max Slope                         | 34CHS - Wall 5    | 1 | 0.0    | 1.4631  | Hogging | 271.59E-6 | 0.74516 | 0.025550  | 46589. | -      | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 34CHS - Wall 5    | 2 | 1.4631 | 5.6700  | Sagging | 271.59E-6 | 1.4606  | 0.011763  | -      | 5296.0 | 0 |
| (Negligible)  |            |   |                          | Max Tensile Strain                | 34CHS - Wall 5    | 1 | 0.0    | 1.4631  | Hogging | 271.59E-6 | 0.74516 | 0.025550  | 46589. | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 34CHS - Wall 2    | 1 | 0.0    | 3.0257  | Hogging | 136.55E-6 | 0.43061 | 852.26E-6 | 29700. | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) | 34CHS - Wall 5    | 2 | 1.4631 | 5.6700  | Sagging | 271.59E-6 | 1.4606  | 0.011763  | -      | 5296.0 | 0 |
| (Negligible)  | 0          |   | 26 Camden High Street    | Max Slope                         | 26CHS - Wall 1    | 1 | 0.0    | 2.0445  | Hogging | 407.02E-6 | 1.2638  | 0.038981  | 15105. | -      | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 26CHS - Wall 1    | 2 | 2.0445 | 5.8790  | Sagging | 407.02E-6 | 2.2564  | 0.077819  | -      | 2339.3 | 2 |
| (Slight)      |            |   |                          | Max Tensile Strain                | 26CHS - Wall 1    | 2 | 2.0445 | 5.8790  | Sagging | 407.02E-6 | 2.2564  | 0.077819  | -      | 2339.3 | 2 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 26CHS - Wall 1    | 1 | 0.0    | 2.0445  | Hogging | 407.02E-6 | 1.2638  | 0.038981  | 15105. | -      | 0 |
| (Slight)      |            |   |                          | Min Radius of Curvature (Sagging) | 26CHS - Wall 1    | 2 | 2.0445 | 5.8790  | Sagging | 407.02E-6 | 2.2564  | 0.077819  | -      | 2339.3 | 2 |
| (Negligible)  | 0          |   | 24 Camden High Street    | Max Slope                         | 24CHS - Wall 1    | 1 | 0.0    | 1.9333  | Hogging | 250.83E-6 | 0.48700 | 0.038393  | 8200.4 | -      | 0 |
| (Negligible)  |            |   |                          | Max Settlement                    | 24CHS - Wall 1    | 1 | 0.0    | 1.9333  | Hogging | 250.83E-6 | 0.48700 | 0.038393  | 8200.4 | -      | 0 |
| (Negligible)  |            |   |                          | Max Tensile Strain                | 24CHS - Wall 1    | 1 | 0.0    | 1.9333  | Hogging | 250.83E-6 | 0.48700 | 0.038393  | 8200.4 | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Hogging) | 24CHS - Wall 1    | 1 | 0.0    | 1.9333  | Hogging | 250.83E-6 | 0.48700 | 0.038393  | 8200.4 | -      | 0 |
| (Negligible)  |            |   |                          | Min Radius of Curvature (Sagging) |                   | - | -      | -       | -       | -         | -       | -         | -      | -      | - |

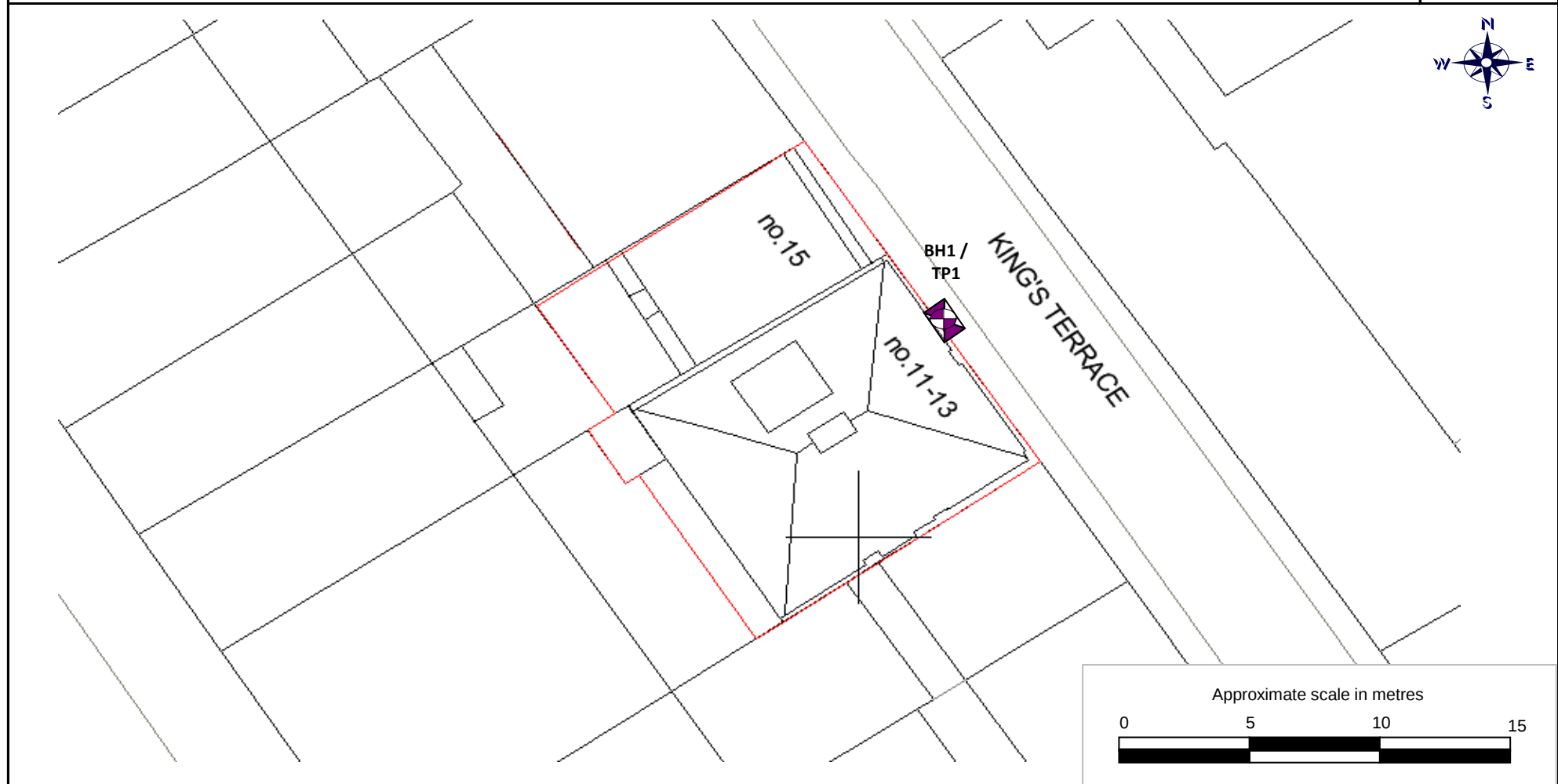
**Site** 11-13 King's Terrace, London NW1 0JP

**Client** Mr Greg Caplan

**Engineer** Michael Barclay Partnership

**Job Number**  
J21098

**Sheet**  
1 / 1





Geotechnical &  
Environmental  
Associates

**Herts:**

Widbury Barn  
Widbury Hill  
Ware  
Hertfordshire  
SG12 7QE  
tel 01727 824666  
mail@gea-ltd.co.uk

**Notts:**

Church Farm  
Gotham Road  
Kingston on Soar  
Notts  
NG11 0DE  
tel 01509 674888  
midlands@gea-ltd.co.uk

**Manchester:**

Peter House  
Oxford Street  
Manchester  
M1 5AN  
tel 0161 209 3032  
mail @ gea-ltd.co.uk