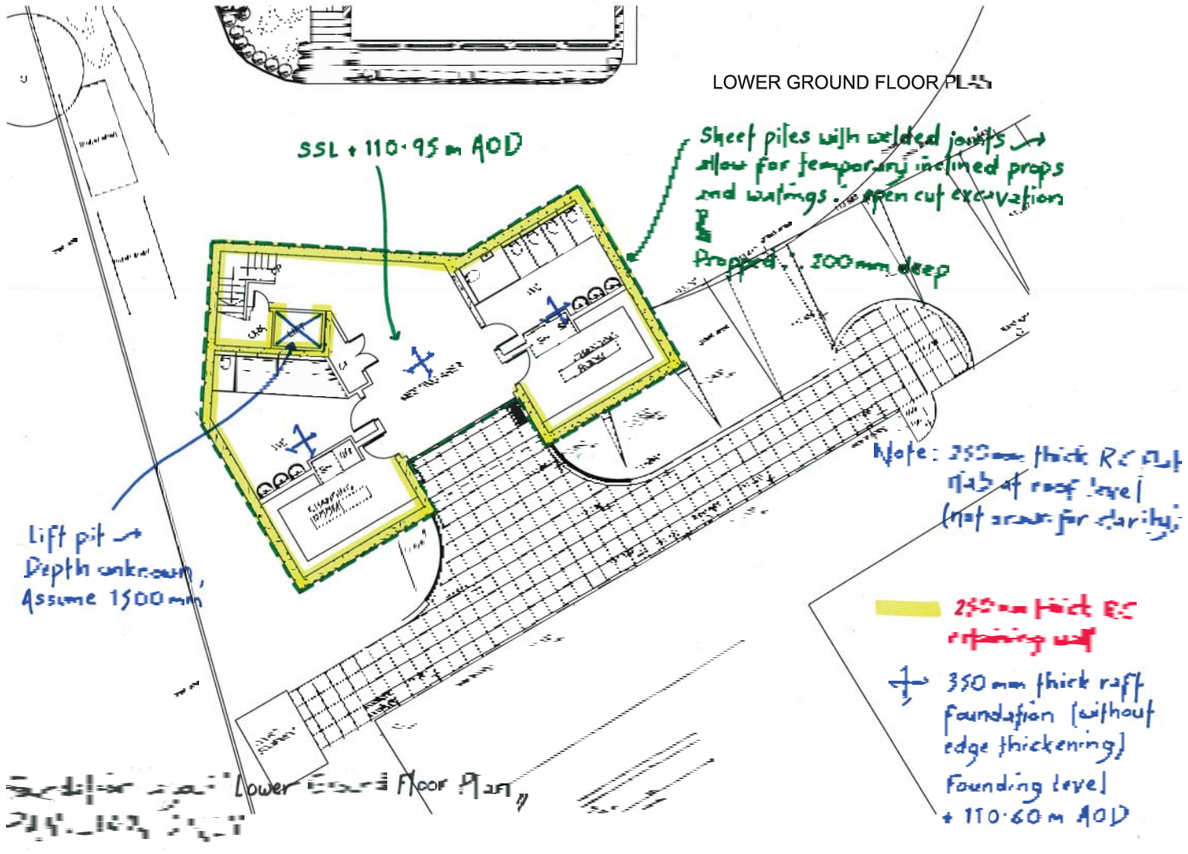
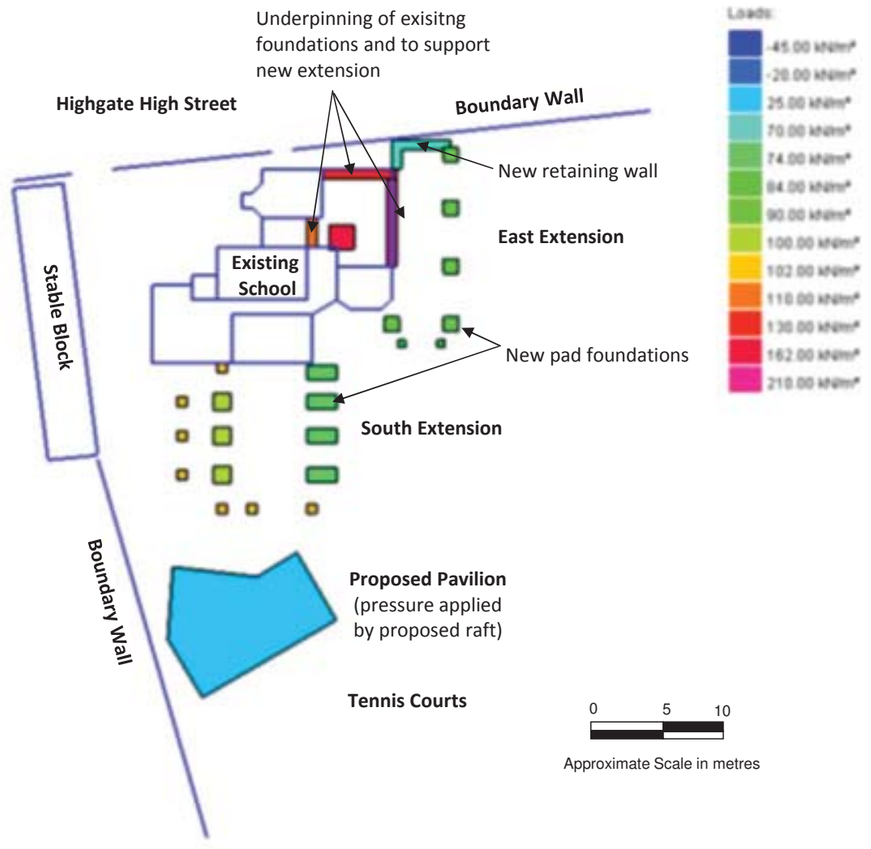


GEA	www.gea-ltd.co.uk Herts | 01727 824666 Notts | 01509 674888	**Proposed Loading**	
Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 1: Plan of Proposed Loading



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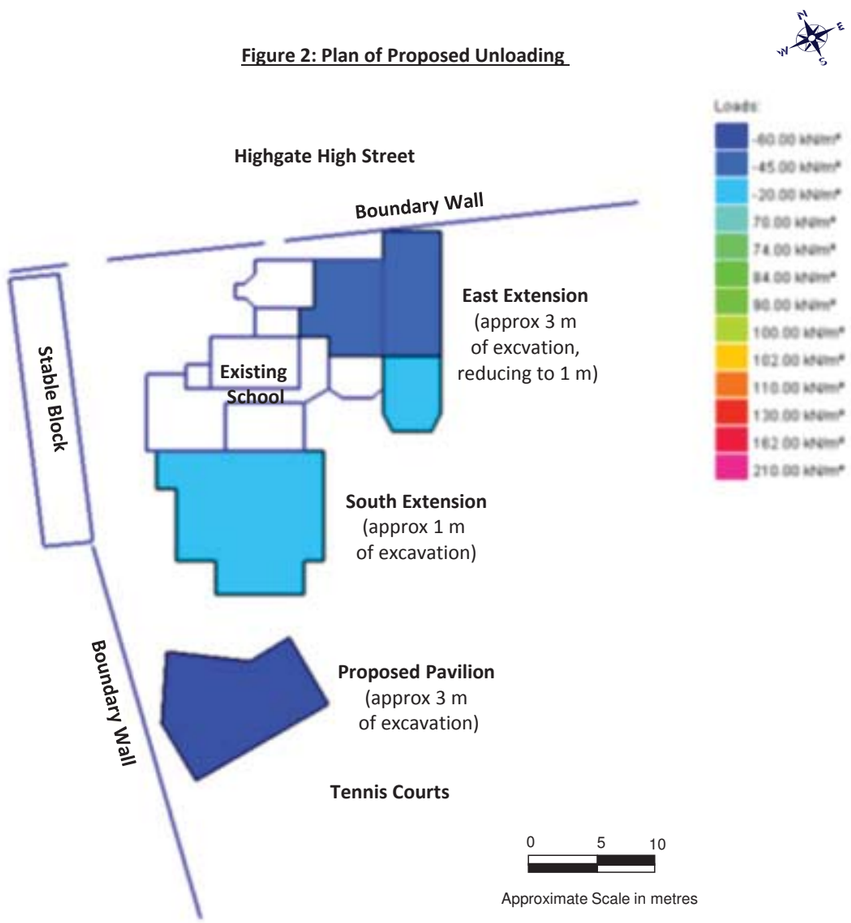
Proposed Unloading

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 2: Plan of Proposed Unloading



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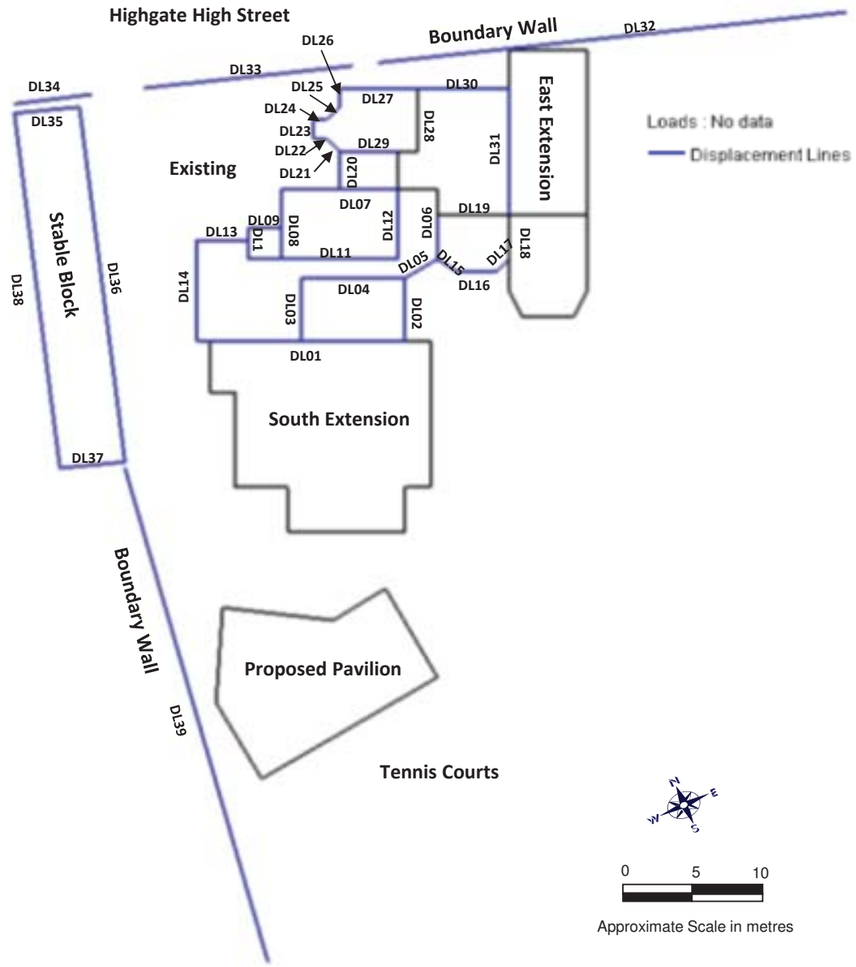
Displacement Lines

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 3: Displacement Lines (outlining extent of existing buildings and nearby sensitve structures)



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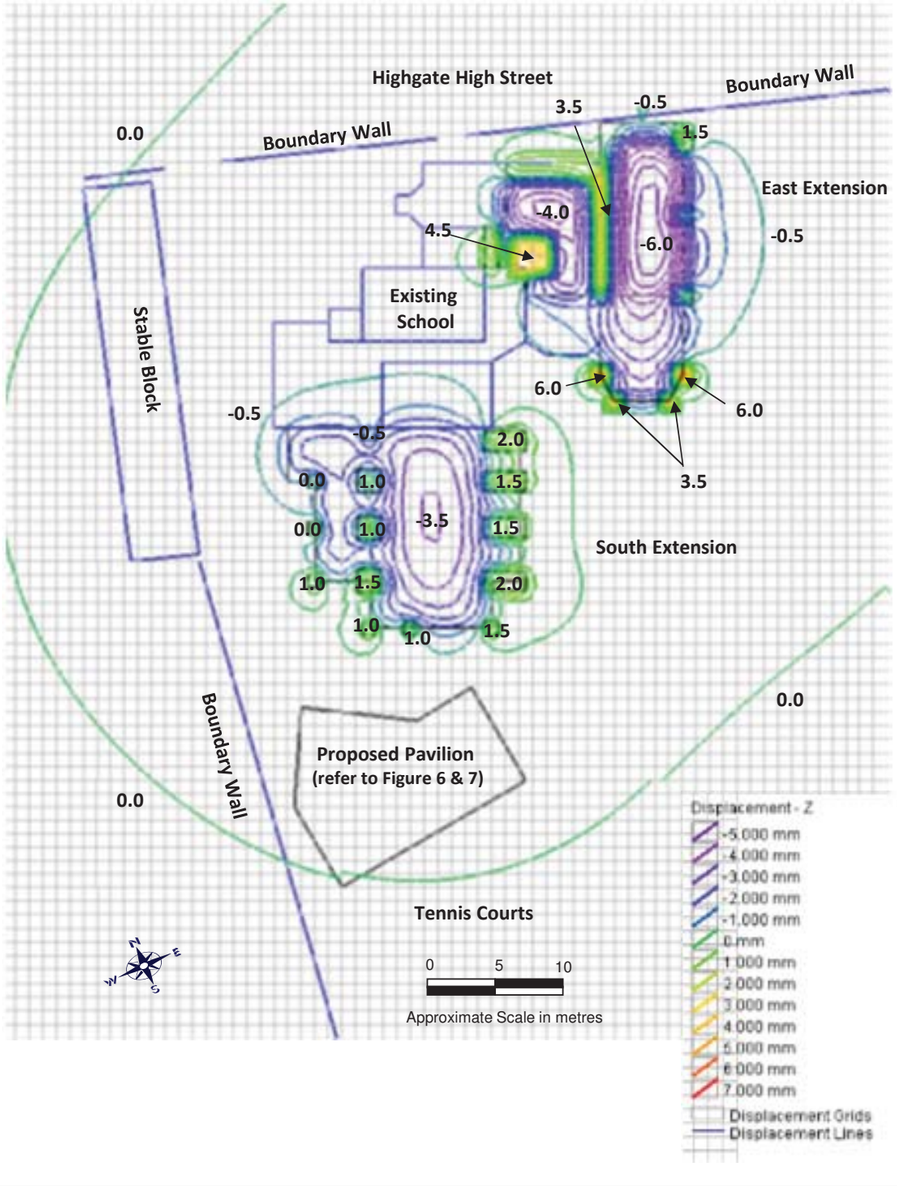
Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR
Client	Channing Junior School
Engineer	Heyne Tillett Steel

Job Number J17268

Sheet 1/1

Figure 4 - Short-Term Heave / Settlement



Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Excluding Pavilion

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	Date	Checked

Notes
Refer to Figure 4 for contour output of displacement grids

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.50
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: 60.00 [m OD]
Displacements at load centroids: Yes

Soil ProfilesSoil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	117.00	1	10000.	10000.	0.20000	None
2	115.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil ProfilesSoil Profile 2

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	114.00	1	10000.	10000.	0.20000	None
2	113.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil ProfilesSoil Profile 3

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	112.00	1	10000.	10000.	0.20000	None
2	111.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Soil Zone 1	-20.00000	0.00000	-10.00000	40.00000	Soil Profile 1
2	Soil Zone 2	0.00000	31.00000	5.00000	40.00000	Soil Profile 1
3	Soil Zone 3	31.00000	50.00000	20.00000	40.00000	Soil Profile 1
4	Soil Zone 4	0.00000	31.00000	-10.00000	5.00000	Soil Profile 2
5	Soil Zone 5	31.00000	50.00000	-10.00000	20.00000	Soil Profile 2
6	Soil Zone 6	-20.00000	50.00000	-26.50000	-10.00000	Soil Profile 2
7	Soil Zone 7	-20.00000	5.00000	-34.50000	-26.50000	Soil Profile 2
8	Soil Zone 8	5.00000	50.00000	-34.50000	-26.50000	Soil Profile 3
9	Soil Zone 9	-20.00000	50.00000	-50.00000	-34.50000	Soil Profile 3

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance [%]	Number of rectangles	Load value Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,23) (24,20) (17,20) (17,15) (15.5,15) (15.5,12) (18.5,12) (18.5,10) (30,10) (30,23)	10.000	4	-45.000	N/A	N/A
2	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,10) (24,4) (25,2) (29,2) (30,4) (30,10)	10.000	2	-20.000	N/A	N/A
3	South Extension	Polygonal	Horizontal	N/A	N/A	113.00000	N/A	N/A	N/A	(1,0) (18,0) (18,-11.5) (16,-11.5) (16,-15) (7,-15) (7,-11.5) (3,-11.5) (3,-4) (1,-4)	10.000	3	-20.000	N/A	N/A
4	Pavilion	Polygonal	Horizontal	N/A	N/A	110.50000	N/A	N/A	N/A	(2,-21) (10.5,-22) (14.5,-19.5) (18.5,-26.5) (5,-34.5) (1.5,-28.5)	5.0000	10	0.0	N/A	N/A
5	L-Shaped RC Underpin for East Extension	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(30,23) (30,22) (25,22) (25,20) (24,20) (24,23)	10.000	2	70.000	N/A	N/A
6	RC Underpin of Wall 30	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(24.5,20) (17,20) (17,19) (24.5,19)	10.000	1	130.00	N/A	N/A
7	RC Underpin between Wall 27 & 29	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(15.5,15) (15.5,12) (16.5,12) (16.5,15)	10.000	1	110.00	N/A	N/A
8	RC Underpin of Wall 31	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(23.5,19) (24.5,19) (24.5,10) (23.5,10)	10.000	1	210.00	N/A	N/A
9	Pad 6	Rectangular	Horizontal	19.00000	13.00000	113.85000	0.0	2.5000	2.5000	N/A	N/A	1	162.00	0.0	0.0
10	Pad 1 - A	Rectangular	Horizontal	24.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A	N/A	1	90.000	0.0	0.0
11	Pad 2 - A	Rectangular	Horizontal	25.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A	N/A	1	84.000	0.0	0.0
12	Pad 2 - B	Rectangular	Horizontal	29.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A	N/A	1	84.000	0.0	0.0
13	Pad 5 - A	Rectangular	Horizontal	7.00000	-0.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
14	Pad 5 - B	Rectangular	Horizontal	3.00000	-4.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
15	Pad 5 - C	Rectangular	Horizontal	3.00000	-7.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
16	Pad 5 - D	Rectangular	Horizontal	3.00000	-11.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
17	Pad 5 - E	Rectangular	Horizontal	7.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
18	Pad 5 - F	Rectangular	Horizontal	10.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
19	Pad 5 - G	Rectangular	Horizontal	16.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
20	Pad 4 - A	Rectangular	Horizontal	17.00000	-1.00000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
21	Pad 4 - B	Rectangular	Horizontal	17.00000	-4.00000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
22	Pad 4 - C	Rectangular	Horizontal	17.00000	-7.50000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
23	Pad 4 - D	Rectangular	Horizontal	17.00000	-11.50000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
24	Pad 3 - A	Rectangular	Horizontal	7.00000	-4.00000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	100.00	0.0	0.0
25	Pad 3 - B	Rectangular	Horizontal	7.00000	-7.50000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	100.00	0.0	0.0
26	Pad 3 - C	Rectangular	Horizontal	7.00000	-11.50000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	100.00	0.0	0.0
27	Pad 1 - B	Rectangular	Horizontal	30.00000	21.50000	113.85000	0.0	1.5000	1.5000	N/A	N/A	1	90.000	0.0	0.0

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X	Y	Z (level)	Load position: Angle of local x from	Width x or Radius	Length y	Polygon Coordinates	Number of rectangles	Load value: Normal (local z)	Tangential (local x)	Tangential (local y)
28	Pad 1 - C	Rectangular	Horizontal	30.00000	16.00000	113.85000	0.0	1.5000	1.5000	N/A	1	90.000	0.0	0.0
29	Pad 1 - D	Rectangular	Horizontal	30.00000	10.00000	113.85000	0.0	1.5000	1.5000	N/A	1	90.000	0.0	0.0
30	Pad 1 - E	Rectangular	Horizontal	30.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A	1	90.000	0.0	0.0

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : East Extension					
(Edge 1 optimal)					
1	27.00000	21.50000	-90.000	3.0000	6.0000
2	23.50000	17.50000	-90.000	5.0000	13.000
3	22.75000	13.50000	-90.000	3.0000	14.500
4	24.25000	11.00000	-90.000	2.0000	11.500
Load 2 : East Extension					
(Edge 1 optimal)					
1	27.00000	7.00000	-90.000	6.0000	6.0000
2	27.00000	3.00000	-90.000	2.0000	5.0000
Load 3 : South Extension					
(Edge 1 optimal)					
1	10.50000	-7.75000	-90.000	7.5000	15.000
2	11.50000	-13.25000	-90.000	3.5000	9.0000
3	9.50000	-2.00000	-90.000	4.0000	17.000
Load 4 : Pavilion					
(Edge 1 optimal)					
1	3.53052	-30.88353	30.651	1.0634	7.7207
2	4.05044	-29.67497	30.651	1.0634	9.2700
3	4.57037	-28.46640	30.651	1.0634	10.819
4	5.09029	-27.25784	30.651	1.0634	12.369
5	6.54628	-26.44788	30.651	2.2676	12.278
6	8.93832	-26.03655	30.651	2.2676	10.547
7	11.33037	-25.62521	30.651	2.2676	8.8153
8	14.48617	-24.22666	30.651	4.5882	8.0040
9	15.95946	-22.15034	30.651	0.063725	6.0437
10	14.98649	-20.38345	30.651	0.063725	2.0146
Load 5 : L-Shaped RC Underpin for East Extension					
(Edge 2 optimal)					
1	27.00000	22.50000	-90.000	1.0000	6.0000
2	24.50000	21.00000	-90.000	2.0000	1.0000
Load 6 : RC Underpin of Wall 30					
(Edge 1 optimal)					
1	20.75000	19.50000	-180.00	7.5000	1.0000
Load 7 : RC Underpin between Wall 27 & 29					
(Edge 1 optimal)					
1	16.00000	13.50000	-90.000	3.0000	1.0000
Load 8 : RC Underpin of Wall 31					
(Edge 2 optimal)					
1	24.00000	14.50000	0.0	1.0000	9.0000

Displacement Data

Ref.	Type	Name	Direction of Extrusion	First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	No. of intrvls along Extrusion Depth [m]	Calculate	Show Detailed results
1	Line	Line 1	N/A	0.00000	0.00000	113.50000	8.00000	0.00000	113.50000	8	N/A	Yes	No
2	Line	Line 2	N/A	16.00000	0.00000	113.50000	16.00000	5.00000	113.50000	5	N/A	Yes	No
3	Line	Line 3	N/A	8.00000	0.00000	113.50000	8.00000	5.00000	113.50000	5	N/A	Yes	No
4	Line	Line 4	N/A	8.00000	5.00000	113.50000	16.00000	5.00000	113.50000	8	N/A	Yes	No
5	Line	Line 5	N/A	16.00000	5.00000	113.50000	18.50000	6.50000	113.50000	2	N/A	Yes	No
6	Line	Line 6	N/A	18.50000	6.50000	113.50000	18.50000	12.00000	113.50000	5	N/A	Yes	No
7	Line	Line 7	N/A	6.50000	12.00000	113.50000	18.50000	12.00000	113.50000	6	N/A	Yes	No
8	Line	Line 8	N/A	6.50000	6.50000	113.50000	6.50000	12.00000	113.50000	5	N/A	Yes	No
9	Line	Line 9	N/A	4.00000	9.00000	113.50000	6.50000	9.00000	113.50000	2	N/A	Yes	No
10	Line	Line 10	N/A	4.00000	6.50000	113.50000	4.00000	9.00000	113.50000	2	N/A	Yes	No
11	Line	Line 11	N/A	4.00000	6.50000	113.50000	15.50000	6.50000	113.50000	5	N/A	Yes	No
12	Line	Line 12	N/A	15.50000	6.50000	113.50000	15.50000	12.00000	113.50000	5	N/A	Yes	No
13	Line	Line 13	N/A	0.00000	8.00000	113.50000	4.00000	8.00000	113.50000	4	N/A	Yes	No
14	Line	Line 14	N/A	0.00000	0.00000	113.50000	0.00000	8.00000	113.50000	8	N/A	Yes	No
15	Line	Line 15	N/A	18.50000	6.50000	113.50000	20.00000	5.50000	113.50000	1	N/A	Yes	No
16	Line	Line 16	N/A	20.00000	5.50000	113.50000	23.00000	5.50000	113.50000	3	N/A	Yes	No
17	Line	Line 17	N/A	23.00000	5.50000	113.50000	24.00000	6.50000	113.50000	1	N/A	Yes	No
18	Line	Line 18	N/A	24.00000	6.50000	113.50000	24.00000	10.00000	113.50000	3	N/A	Yes	No
19	Line	Line 19	N/A	18.50000	10.00000	113.50000	24.00000	10.00000	113.50000	5	N/A	Yes	No
20	Line	Line 20	N/A	11.00000	12.00000	116.00000	11.00000	15.00000	116.00000	3	N/A	Yes	No
21	Line	Line 21	N/A	11.00000	15.00000	114.00000	10.00000	16.00000	114.00000	1	N/A	Yes	No
22	Line	Line 22	N/A	10.00000	16.00000	114.00000	9.00000	16.00000	114.00000	1	N/A	Yes	No
23	Line	Line 23	N/A	9.00000	16.00000	114.00000	9.00000	17.50000	114.00000	1	N/A	Yes	No
24	Line	Line 24	N/A	9.00000	17.50000	114.00000	10.00000	17.50000	114.00000	1	N/A	Yes	No
25	Line	Line 25	N/A	10.00000	17.50000	114.00000	11.00000	18.50000	114.00000	1	N/A	Yes	No
26	Line	Line 26	N/A	11.00000	18.50000	114.00000	11.00000	20.00000	114.00000	1	N/A	Yes	No
27	Line	Line 27	N/A	11.00000	20.00000	114.00000	17.00000	20.00000	114.00000	6	N/A	Yes	No
28	Line	Line 28	N/A	17.00000	15.00000	114.00000	17.00000	20.00000	114.00000	5	N/A	Yes	No
29	Line	Line 29	N/A	11.00000	15.00000	114.00000	17.00000	15.00000	114.00000	6	N/A	Yes	No
30	Line	Line 30	N/A	17.00000	20.00000	116.00000	24.00000	20.00000	116.00000	7	N/A	Yes	No
31	Line	Line 31	N/A	24.00000	10.00000	116.00000	24.00000	20.00000	116.00000	5	N/A	Yes	No
32	Line	Line 32	N/A	14.00000	22.00000	114.50000	50.00000	26.00000	114.40000	18	N/A	Yes	No
33	Line	Line 33	N/A	-4.00000	20.00000	114.50000	12.00000	21.75000	114.50000	8	N/A	Yes	No
34	Line	Line 34	N/A	-14.00000	18.75000	114.50000	-8.00000	19.50000	114.50000	6	N/A	Yes	No
35	Line	Line 35	N/A	-14.00000	18.00000	116.00000	-9.00000	18.50000	116.00000	5	N/A	Yes	No
36	Line	Line 36	N/A	-9.00000	18.50000	116.00000	-5.50000	-9.50000	116.00000	14	N/A	Yes	No
37	Line	Line 37	N/A	-10.50000	-9.99500	116.00000	-5.50000	-9.50000	116.00000	5	N/A	Yes	No
38	Line	Line 38	N/A	-14.00000	18.00000	116.00000	-10.50000	-9.99500	116.00000	14	N/A	Yes	No
39	Line	Line 39	N/A	-5.50000	-10.00000	113.00000	5.50000	-49.00000	111.00000	20	N/A	Yes	No
40	Grid	Grid 1	Global X	-20.00000	-9.99500	117.00000	N/A	40.00000	117.00000	50	19.99500	No	N/A
41	Grid	Grid 2	Global X	0.00000	5.00500	117.00000	N/A	40.00000	117.00000	35	30.99500	No	N/A
42	Grid	Grid 3	Global X	31.00000	20.00500	117.00000	N/A	40.00000	117.00000	20	19.00000	No	N/A
43	Grid	Grid 4	Global X	0.00000	-10.00000	114.00000	N/A	5.00000	114.00000	15	31.00000	No	N/A
44	Grid	Grid 5	Global X	30.00000	-10.00000	114.00000	N/A	20.00000	114.00000	30	20.00000	No	N/A
45	Grid	Grid 6	Global X	-20.00000	-26.49500	114.00000	N/A	-10.00000	114.00000	16	70.00000	No	N/A
46	Grid	Grid 7	Global X	-20.00000	-34.49500	114.00000	N/A	-26.50000	114.00000	8	24.99500	No	N/A
47	Grid	Grid 8	Global X	5.00000	-34.50000	112.00000	N/A	-26.50000	112.00000	8	45.00000	No	N/A
48	Grid	Grid 9	Global X	-20.00000	-50.00000	112.00000	N/A	-34.50000	112.00000	15	70.00000	No	N/A

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Horizontal rigid boundary level: 60.00 [m OD]

The maximum displacement difference between the Boussinesq method (3.4202mm) and the Mindlin method (-1.4882mm) occurs at point X = 24.00000m, Y = 16.00000m, level = 116.00mOD, and is 4.9084mm.

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
East Extension	23.81856	15.81773	114.00000	3.0595	113.60	151.11	299.98	0.0030334
East Extension	27.00000	6.14493	114.00000	-2.8814	113.60	-19.975	-53.543	-331.54E-6
South Extension	10.32783	-6.72288	113.00000	-3.4040	112.75	-20.000	-58.214	-308.92E-6
Pavilion	8.88752	-26.39877	110.50000	-0.035544	110.25	-0.010951	-0.32681	1.3055E-6
L-Shaped RC Underpin for East Extension	26.37500	22.12500	113.85000	-1.3396	113.37	1.7676	-5.1206	78.631E-6
RC Underpin of	20.75000	19.50000	113.85000	1.8677	113.37	68.923	111.72	0.0015091

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Excluding Pavilion

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
Wall 30								
RC Underpin between Wall 27 & 29	16.00000	13.50000	113.85000	1.7767	113.37	52.808	88.421	0.0011422
RC Underpin of Wall 31	24.00000	14.50000	113.85000	2.7254	113.37	129.41	201.64	0.0028741
Pad 6	19.00000	13.00000	113.85000	4.1718	113.37	111.85	220.04	0.0022552
Pad 1 - A	24.00000	4.00000	113.85000	5.9854	113.43	75.378	128.70	0.0064713
Pad 2 - A	25.00000	2.00000	113.85000	3.4763	113.43	44.845	56.111	0.0042591
Pad 2 - B	29.00000	2.00000	113.85000	3.4848	113.43	44.845	56.163	0.0042581
Pad 5 - A	7.00000	-0.50000	112.60000	0.32956	112.34	76.942	137.51	0.0016207
Pad 5 - B	3.00000	-4.00000	112.60000	0.48277	112.34	79.210	138.76	0.0016825
Pad 5 - C	3.00000	-7.50000	112.60000	1.0980	112.34	84.131	150.17	0.0017731
Pad 5 - D	3.00000	-11.50000	112.60000	1.8210	112.34	89.121	162.91	0.0018591
Pad 5 - E	7.00000	-15.00000	112.60000	1.8672	112.34	89.123	163.25	0.0018574
Pad 5 - F	10.00000	-15.00000	112.60000	1.0438	112.34	84.149	150.45	0.0017722
Pad 5 - G	16.00000	-15.00000	112.60000	1.7728	112.34	89.121	162.91	0.0018591
Pad 4 - A	17.00000	-1.00000	112.60000	2.0295	112.34	54.249	130.13	976.82E-6
Pad 4 - B	17.00000	-4.00000	112.60000	1.7772	112.34	53.597	125.43	980.77E-6
Pad 4 - C	17.00000	-7.50000	112.60000	1.5451	112.34	53.584	124.39	985.56E-6
Pad 4 - D	17.00000	-11.50000	112.60000	2.1205	112.34	62.795	142.63	0.0011707
Pad 3 - A	7.00000	-4.00000	112.60000	1.1252	112.34	78.276	170.40	0.0014963
Pad 3 - B	7.00000	-7.50000	112.60000	1.2681	112.34	78.275	170.55	0.0014955
Pad 3 - C	7.00000	-11.50000	112.60000	2.0335	112.34	83.266	183.38	0.0015811
Pad 1 - B	30.00000	21.50000	113.85000	0.86975	113.37	59.195	95.018	0.0013008
Pad 1 - C	30.00000	16.00000	113.85000	-0.85063	113.37	56.163	75.326	0.0013083
Pad 1 - D	30.00000	10.00000	113.85000	0.049145	113.37	62.403	91.434	0.0014149
Pad 1 - E	30.00000	4.00000	113.85000	6.0230	113.43	75.380	128.89	0.0064679
Line 1	0.00000	0.00000	113.50000	-0.66964	113.25	-56.513E-6	-0.042761	0.0
	1.00000	0.00000	113.50000	-1.0593	113.25	-66.352E-6	-0.046851	0.0
	2.00000	0.00000	113.50000	-1.4391	113.25	-78.176E-6	-0.051434	1.0193E-6
	3.00000	0.00000	113.50000	-1.6017	113.25	-92.429E-6	-0.056577	1.1204E-6
	4.00000	0.00000	113.50000	-1.6588	113.25	-109.66E-6	-0.062360	1.2340E-6
	5.00000	0.00000	113.50000	-1.6022	113.25	-130.54E-6	-0.068874	1.3618E-6
	6.00000	0.00000	113.50000	-1.4156	113.25	-155.92E-6	-0.076225	1.5058E-6
	7.00000	0.00000	113.50000	-0.33408	113.25	-186.80E-6	-0.084533	1.6682E-6
	8.00000	0.00000	113.50000	-1.4156	113.25	-224.43E-6	-0.093934	1.8518E-6
Line 2	16.00000	0.00000	113.50000	0.042412	113.25	-978.28E-6	-0.22258	4.3341E-6
	16.00000	1.00000	113.50000	-0.22387	113.25	-0.0012977	-0.25882	5.0207E-6
	16.00000	2.00000	113.50000	-0.30606	113.25	-0.0017736	-0.30415	5.8701E-6
	16.00000	3.00000	113.50000	-0.32949	113.25	-0.0025105	-0.36146	6.9279E-6
	16.00000	4.00000	113.50000	-0.33341	113.25	-0.0036918	-0.43398	8.2366E-6
	16.00000	5.00000	113.50000	-0.33162	113.25	-0.0056615	-0.52482	9.8171E-6
Line 3	8.00000	0.00000	113.50000	-1.4156	113.25	-224.43E-6	-0.093934	1.8518E-6
	8.00000	1.00000	113.50000	-0.98297	113.25	-264.67E-6	-0.10190	2.0062E-6
	8.00000	2.00000	113.50000	-0.77209	113.25	-312.46E-6	-0.11032	2.1689E-6
	8.00000	3.00000	113.50000	-0.60914	113.25	-369.02E-6	-0.11911	2.3379E-6
	8.00000	4.00000	113.50000	-0.48481	113.25	-435.64E-6	-0.12817	2.5110E-6
	8.00000	5.00000	113.50000	-0.39069	113.25	-513.50E-6	-0.13733	2.6850E-6
Line 4	8.00000	5.00000	113.50000	-0.39069	113.25	-513.50E-6	-0.13733	2.6850E-6
	9.00000	5.00000	113.50000	-0.40063	113.25	-666.00E-6	-0.15740	3.0681E-6
	10.00000	5.00000	113.50000	-0.40594	113.25	-873.21E-6	-0.18151	3.5254E-6
	11.00000	5.00000	113.50000	-0.40472	113.25	-0.0011583	-0.21087	4.0784E-6
	12.00000	5.00000	113.50000	-0.39617	113.25	-0.0015556	-0.24726	4.7586E-6
	13.00000	5.00000	113.50000	-0.38109	113.25	-0.0021166	-0.29321	5.6102E-6
	14.00000	5.00000	113.50000	-0.36216	113.25	-0.0029165	-0.35212	6.6924E-6
	15.00000	5.00000	113.50000	-0.34382	113.25	-0.0040585	-0.42808	8.0746E-6
	16.00000	5.00000	113.50000	-0.33162	113.25	-0.0056615	-0.52482	9.8171E-6
Line 5	16.00000	5.00000	113.50000	-0.33162	113.25	-0.0056615	-0.52482	9.8171E-6
	17.25000	5.75000	113.50000	-0.35909	113.06	-0.021815	-0.90536	3.8724E-6
	18.50000	6.50000	113.50000	-0.45836	113.06	-0.061047	-1.6119	6.2279E-6
Line 6	18.50000	6.50000	113.50000	-0.45836	113.06	-0.061047	-1.6119	6.2279E-6
	18.50000	7.60000	113.50000	-0.53788	113.06	-0.18482	-2.6518	7.7144E-6
	18.50000	8.70000	113.50000	-0.63336	113.06	-0.90730	-5.3742	0.0
	18.50000	9.80000	113.50000	-0.80661	113.06	-7.4760	-14.171	-153.43E-6
	18.50000	10.90000	113.50000	-0.50602	113.06	-12.043	-6.9414	-326.57E-6
	18.50000	12.00000	113.50000	2.4074	113.06	66.830	100.22	0.0015038
Line 7	6.50000	12.00000	113.50000	-0.11890	113.06	-0.0012330	-0.16705	0.0
	8.50000	12.00000	113.50000	-0.13032	113.06	-0.0023968	-0.21741	1.0152E-6
	10.50000	12.00000	113.50000	-0.13126	113.06	-0.0046744	-0.24544	1.0870E-6
	12.50000	12.00000	113.50000	-0.091653	113.06	-89.736E-6	0.051331	0.0
	14.50000	12.00000	113.50000	0.12746	113.06	0.86924	5.0896	0.0
	16.50000	12.00000	113.50000	0.51629	113.06	6.3963	19.323	95.271E-6
	18.50000	12.00000	113.50000	2.4074	113.06	66.830	100.22	0.0015038
Line 8	6.50000	6.50000	113.50000	-0.27699	113.06	-696.79E-6	-0.13385	0.0
	6.50000	7.60000	113.50000	-0.22673	113.06	-796.29E-6	-0.14090	0.0
	6.50000	8.70000	113.50000	-0.18841	113.06	-902.34E-6	-0.14764	0.0
	6.50000	9.80000	113.50000	-0.15897	113.06	-0.0010128	-0.15416	0.0
	6.50000	10.90000	113.50000	-0.13631	113.06	-0.0011246	-0.16060	0.0
	6.50000	12.00000	113.50000	-0.11890	113.06	-0.0012330	-0.16705	0.0
Line 9	4.00000	9.00000	113.50000	-0.15668	113.06	-480.53E-6	-0.10848	0.0
	5.25000	9.00000	113.50000	-0.16888	113.06	-662.80E-6	-0.12711	0.0
	6.50000	9.00000	113.50000	-0.17960	113.06	-932.14E-6	-0.14944	0.0
Line 10	4.00000	6.50000	113.50000	-0.24422	113.06	-382.68E-6	-0.098416	0.0
	4.00000	7.75000	113.50000	-0.19375	113.06	-431.13E-6	-0.10359	0.0
	4.00000	9.00000	113.50000	-0.15668	113.06	-480.53E-6	-0.10848	0.0
Line 11	4.00000	6.50000	113.50000	-0.24422	113.06	-382.68E-6	-0.098416	0.0
	6.30000	6.50000	113.50000	-0.27477	113.06	-662.64E-6	-0.13049	0.0
	8.60000	6.50000	113.50000	-0.29591	113.06	-0.0012148	-0.17632	0.0
	10.90000	6.50000	113.50000	-0.30405	113.06	-0.0024058	-0.24518	1.1537E-6
	13.20000	6.50000	113.50000	-0.30088	113.06	-0.0054231	-0.36648	1.6697E-6
	15.50000	6.50000	113.50000	-0.31680	113.06	-0.015044	-0.64633	2.7803E-6
Line 12	15.50000	6.50000	113.50000	-0.31680	113.06	-0.015044	-0.64633	2.7803E-6
	15.50000	7.60000	113.50000	-0.29095	113.06	-0.024848	-0.71320	2.8206E-6
	15.50000	8.70000	113.50000	-0.24186	113.06	-0.038847	-0.63334	2.0013E-6
	15.50000	9.80000	113.50000	-0.14526	113.06	-0.037284	0.0017307	-1.1272E-6
	15.50000	10.90000	113.50000	0.042514	113.06	0.39824	3.2014	-4.0597E-6
	15.50000	12.00000	113.50000	0.62175	113.06	13.532	23.851	286.70E-6
Line 13	0.00000	8.00000	113.50000	-0.13121	113.06	-181.54E-6	-0.065775	0.0
	1.00000	8.00000	113.50000	-0.14554	113.06	-223.60E-6	-0.073492	0.0
	2.00000	8.00000	113.50000	-0.15957	113.06	-277.78E-6	-0.082390	0.0
	3.00000	8.00000	113.50000	-0.17296	113.06	-348.28E-6	-0.092678	0.0
	4.00000	8.00000	113.50000	-0.18543	113.06	-440.98E-6	-0.10460	0.0
Line 14	0.00000	0.00000	113.50000	-0.66964	113.25	-56.513E-6	-0.042761	0.0
	0.00000	1.00000	113.50000	-0.53710	113.25	-62.163E-6	-0.044911	0.0
	0.00000	2.00000	113.50000	-0.42475	113.25	-68.203E-6	-0.047080	0.0
	0.00000	3.00000	113.50000	-0.33874	113.25	-74.602E-6	-0.049250	0.0
	0.00000	4.00000	113.50000	-0.27370	113.25	-81.315E-6	-0.051402	1.0183E-6
	0.00000	5.00000	113.50000	-0.22400	113.25	-88.273E-6	-0.053514	1.0597E-6
	0.00000	6.00000	113.50000	-0.18604	113.06	-158.64E-6	-0.061738	0.0
	0.00000	7.00000	113.50000	-0.15558	113.06	-170.18E-6	-0.063820	0.0
	0.00000	8.00000	113.50000	-0.13121	113.06	-181.54E-6	-0.065775	0.0
Line 15	18.50000	6.50000	113.50000	-0.45836	113.06	-0.061047	-1.6119	6.2279E-6
	20.00000	5.50000	113.50000	-0.46041	113.06	-0.031921	-1.3494	5.7894E-6
Line 16	20.00000	5.50000	113.50000	-0.46041	113.06	-0.031921	-1.3494	5.7894E-6
	21.00000	5.50000	113.50000	-0.50992	113.06	-0.037915	-1.2547	6.1598E-6
	22.00000	5.50000	113.50000	-0.55869	113.06	0.20709	-0.38818	8.1535E-6
	23.00000	5.50000	113.50000	-0.63513	113.06	1.1567	1.7554	25.925E-6
Line 17	23.00000	5.50000	113.50000	-0.63513	113.06	1.1567	1.7554	25.925E-6
	24.00000	6.50000	113.50000	-1.6840	113.06	-9.4674	-21.068	-178.68E-6
Line 18	24.00000	6.50000	113.50000	-1.6840	113.06	-9.4674	-21.068	-178.68E-6
	24.00000	7.66667	113.50000	-1.9896	113.06	-9.9235	-24.424	-175.58E-6
	24.00000	8.83333	113.50000	-1.9781	113.06	-8.7175	-19.885	-162.10E-6
	24.00000	10.00000	113.50000	-0.37587	113.06	40.666	43.285	0.0010036
Line 19	18.50000	10.00000	113.50000	-0.84411	113.06	-10.099	-16.217	-221.89E-6
	19.60000	10.00000	113.50000	-1.5599	113.06	-19.695	-32.974	-425.99E-6
	20.70000	10.00000	113.50000	-2.0283	113.06	-21.274	-40.428	-436.09E-6
	21.80000	10.00000	113.50000	-2.1868	113.06	-21.005	-39.720	-431.56E-6
	22.90000	10.00000	113.50000	-1.6950	113.06	-10.427	-14.382	-240.89E-6
	24.00000	10.00000	113.50000	-0.37587	113.06	40.666	43.285	0.0010036

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
Line 20	11.00000	12.00000	116.00000	-0.12603	115.50	0.0	0.0	0.0
	11.00000	13.00000	116.00000	-0.11845	115.50	0.0	0.0	0.0
	11.00000	14.00000	116.00000	-0.12017	115.50	0.0	0.0	0.0
	11.00000	15.00000	116.00000	-0.12825	115.50	0.0	0.0	0.0
Line 21	11.00000	15.00000	114.00000	-0.12858	113.60	-0.0021838	-0.42242	2.0466E-6
	10.00000	16.00000	114.00000	-0.12100	113.60	-0.0011109	-0.32724	1.6029E-6
Line 22	10.00000	16.00000	114.00000	-0.12100	113.60	-0.0011109	-0.32724	1.6029E-6
	9.00000	16.00000	114.00000	-0.10757	113.60	-654.21E-6	-0.25352	1.2480E-6
Line 23	9.00000	16.00000	114.00000	-0.10757	113.60	-654.21E-6	-0.25352	1.2480E-6
	9.00000	17.50000	114.00000	-0.10260	113.60	-588.68E-6	-0.24741	1.2194E-6
Line 24	9.00000	17.50000	114.00000	-0.10260	113.60	-588.68E-6	-0.24741	1.2194E-6
	10.00000	17.50000	114.00000	-0.11980	113.60	-971.45E-6	-0.31954	1.5685E-6
Line 25	10.00000	17.50000	114.00000	-0.11980	113.60	-971.45E-6	-0.31954	1.5685E-6
	11.00000	18.50000	114.00000	-0.13854	113.60	-0.0014641	-0.40181	1.9651E-6
Line 26	11.00000	18.50000	114.00000	-0.13854	113.60	-0.0014641	-0.40181	1.9651E-6
	11.00000	20.00000	114.00000	-0.12188	113.60	-0.0010892	-0.34569	1.6958E-6
Line 27	11.00000	20.00000	114.00000	-0.12188	113.60	-0.0010892	-0.34569	1.6958E-6
	12.00000	20.00000	114.00000	-0.14607	113.60	-0.0019010	-0.45507	2.2183E-6
	13.00000	20.00000	114.00000	-0.17552	113.60	-0.0036486	-0.61639	2.9725E-6
	14.00000	20.00000	114.00000	-0.20737	113.60	-0.0081103	-0.85452	4.0293E-6
	15.00000	20.00000	114.00000	-0.22660	113.60	-0.023148	-1.1474	5.0427E-6
	16.00000	20.00000	114.00000	-0.16765	113.60	-0.10333	-0.56595	0.0
	17.00000	20.00000	114.00000	0.57899	113.60	21.050	50.115	380.93E-6
Line 28	17.00000	15.00000	114.00000	-1.6896	113.60	-32.460	-66.906	-639.25E-6
	17.00000	16.00000	114.00000	-2.1000	113.60	-22.620	-59.108	-383.05E-6
	17.00000	17.00000	114.00000	-2.2108	113.60	-22.477	-58.719	-380.72E-6
	17.00000	18.00000	114.00000	-1.8062	113.60	-22.290	-53.309	-402.14E-6
	17.00000	19.00000	114.00000	-0.19402	113.60	10.056	24.895	177.20E-6
	17.00000	20.00000	114.00000	0.57899	113.60	21.050	50.115	380.93E-6
Line 29	11.00000	15.00000	114.00000	-0.12858	113.60	-0.0021838	-0.42242	2.0466E-6
	12.00000	15.00000	114.00000	-0.13564	113.60	-0.0046778	-0.57038	2.7116E-6
	13.00000	15.00000	114.00000	-0.13730	113.60	-0.012251	-0.78305	3.5477E-6
	14.00000	15.00000	114.00000	-0.12366	113.60	-0.046447	-0.96791	3.4461E-6
	15.00000	15.00000	114.00000	-0.056605	113.60	-0.29924	2.2144	-20.049E-6
	16.00000	15.00000	114.00000	0.43265	113.60	31.389	62.712	628.10E-6
	17.00000	15.00000	114.00000	-1.6896	113.60	-32.460	-66.906	-639.25E-6
Line 30	17.00000	20.00000	116.00000	0.61852	115.50	0.0	0.0	0.0
	18.00000	20.00000	116.00000	1.4053	115.50	0.0	0.0	0.0
	19.00000	20.00000	116.00000	1.4925	115.50	0.0	0.0	0.0
	20.00000	20.00000	116.00000	1.5200	115.50	0.0	0.0	0.0
	21.00000	20.00000	116.00000	1.5629	115.50	0.0	0.0	0.0
	22.00000	20.00000	116.00000	1.6261	115.50	0.0	0.0	0.0
	23.00000	20.00000	116.00000	1.6250	115.50	0.0	0.0	0.0
	24.00000	20.00000	116.00000	1.1730	115.50	0.0	0.0	0.0
Line 31	24.00000	10.00000	116.00000	0.50197	115.50	0.0	0.0	0.0
	24.00000	12.00000	116.00000	3.2837	115.50	0.0	0.0	0.0
	24.00000	14.00000	116.00000	3.3252	115.50	0.0	0.0	0.0
	24.00000	16.00000	116.00000	3.4202	115.50	0.0	0.0	0.0
	24.00000	18.00000	116.00000	3.8067	115.50	0.0	0.0	0.0
	24.00000	20.00000	116.00000	1.1730	115.50	0.0	0.0	0.0
Line 32	14.00000	22.00000	114.50000	-0.12810	114.05	0.0	0.0	0.0
	16.00000	22.22222	114.49444	-0.098308	114.04	0.0	0.0	0.0
	18.00000	22.44444	114.48889	-0.039574	114.04	0.0	0.0	0.0
	20.00000	22.66667	114.48333	-0.044607	114.04	0.0	0.0	0.0
	22.00000	22.88889	114.47778	-0.12955	114.03	0.0	0.0	0.0
	24.00000	23.11111	114.47222	-0.17011	114.03	0.0	0.0	0.0
	26.00000	23.33333	114.46667	-0.51561	114.02	0.0	0.0	0.0
	28.00000	23.55556	114.46111	-0.55744	114.01	0.0	0.0	0.0
	30.00000	23.77778	114.45556	-0.30833	114.01	0.0	0.0	0.0
	32.00000	24.00000	114.45000	-0.28856	114.00	0.0	0.0	0.0
	34.00000	24.22222	114.44444	-0.250072	114.00	0.0	0.0	0.0
	36.00000	24.44444	114.43889	-0.19307	114.00	0.0	-0.0077934	0.0
	38.00000	24.66667	114.43333	-0.14193	113.99	0.0	-0.0099818	0.0
	40.00000	24.88889	114.42778	-0.10226	113.99	0.0	-0.010273	0.0
	42.00000	25.11111	114.42222	-0.072698	113.98	0.0	-0.0098539	0.0
	44.00000	25.33333	114.41667	-0.050876	113.97	0.0	-0.0091793	0.0
	46.00000	25.55556	114.41111	-0.034769	113.97	0.0	-0.0084385	0.0
	48.00000	25.77778	114.40556	-0.022841	113.96	0.0	-0.0077128	0.0
	50.00000	26.00000	114.40000	-0.013977	113.96	0.0	-0.0070357	0.0
Line 33	-4.00000	20.00000	114.50000	-0.012086	114.05	0.0	0.0	0.0
	-2.00000	20.21875	114.50000	-0.017049	114.05	0.0	0.0	0.0
	0.00000	20.43750	114.50000	-0.022934	114.05	0.0	0.0	0.0
	2.00000	20.65625	114.50000	-0.030077	114.05	0.0	0.0	0.0
	4.00000	20.87500	114.50000	-0.039037	114.05	0.0	0.0	0.0
	6.00000	21.09375	114.50000	-0.050701	114.05	0.0	0.0	0.0
	8.00000	21.31250	114.50000	-0.066366	114.05	0.0	0.0	0.0
	10.00000	21.53125	114.50000	-0.087401	114.05	0.0	0.0	0.0
	12.00000	21.75000	114.50000	-0.11271	114.05	0.0	0.0	0.0
Line 34	-14.00000	18.75000	114.50000	0.0036134	114.05	0.0	0.0	0.0
	-13.00000	18.87500	114.50000	0.0025610	114.05	0.0	0.0	0.0
	-12.00000	19.00000	114.50000	0.0014078	114.05	0.0	0.0	0.0
	-11.00000	19.12500	114.50000	149.31E-6	114.05	0.0	0.0	0.0
	-10.00000	19.25000	114.50000	-0.0012194	114.05	0.0	0.0	0.0
	-9.00000	19.37500	114.50000	-0.0027035	114.05	0.0	0.0	0.0
	-8.00000	19.50000	114.50000	-0.0043083	114.05	0.0	0.0	0.0
Line 35	-14.00000	18.00000	116.00000	0.0029691	115.50	0.0	0.0	0.0
	-13.00000	18.10000	116.00000	0.0018060	115.50	0.0	0.0	0.0
	-12.00000	18.20000	116.00000	527.95E-6	115.50	0.0	0.0	0.0
	-11.00000	18.30000	116.00000	-870.85E-6	115.50	0.0	0.0	0.0
	-10.00000	18.40000	116.00000	-0.0023960	115.50	0.0	0.0	0.0
	-9.00000	18.50000	116.00000	-0.0040529	115.50	0.0	0.0	0.0
Line 36	-9.00000	18.50000	116.00000	-0.0040529	115.50	0.0	0.0	0.0
	-8.75000	16.50000	116.00000	-0.0082927	115.50	0.0	0.0	0.0
	-8.50000	14.50000	116.00000	-0.013620	115.50	0.0	0.0	0.0
	-8.25000	12.50000	116.00000	-0.020341	115.50	0.0	0.0	0.0
	-8.00000	10.50000	116.00000	-0.028835	115.50	0.0	0.0	0.0
	-7.75000	8.50000	116.00000	-0.039522	115.50	0.0	0.0	0.0
	-7.50000	6.50000	116.00000	-0.052777	115.50	0.0	0.0	0.0
	-7.25000	4.50000	116.00000	-0.068691	115.50	0.0	0.0	0.0
	-7.00000	2.50000	116.00000	-0.086590	115.50	0.0	0.0	0.0
	-6.75000	0.50000	116.00000	-0.10436	115.50	0.0	0.0	0.0
	-6.50000	-1.50000	116.00000	-0.11820	115.50	0.0	0.0	0.0
	-6.25000	-3.50000	116.00000	-0.12406	115.50	0.0	0.0	0.0
	-6.00000	-5.50000	116.00000	-0.12035	115.50	0.0	0.0	0.0
	-5.75000	-7.50000	116.00000	-0.10893	115.50	0.0	0.0	0.0
	-5.50000	-9.50000	116.00000	-0.093169	115.50	0.0	0.0	0.0
Line 37	-10.50000	-9.99500	116.00000	-0.034417	115.50	0.0	0.0	0.0
	-9.50000	-9.89600	116.00000	-0.042527	115.50	0.0	0.0	0.0
	-8.50000	-9.79700	116.00000	-0.052136	115.50	0.0	0.0	0.0
	-7.50000	-9.69800	116.00000	-0.063539	115.50	0.0	0.0	0.0
	-6.50000	-9.59900	116.00000	-0.077083	115.50	0.0	0.0	0.0
	-5.50000	-9.50000	116.00000	-0.093169	115.50	0.0	0.0	0.0
Line 38	-14.00000	18.00000	116.00000	0.0029691	115.50	0.0	0.0	0.0
	-13.75000	16.00036	116.00000	608.30E-6	115.50	0.0	0.0	0.0
	-13.50000	14.00071	116.00000	-0.0022439	115.50	0.0	0.0	0.0
	-13.25000	12.00107	116.00000	-0.0056525	115.50	0.0	0.0	0.0
	-13.00000	10.00143	116.00000	-0.0096655	115.50	0.0	0.0	0.0
	-12.75000	8.00179	116.00000	-0.014288	115.50	0.0	0.0	0.0
	-12.50000	6.00214	116.00000	-0.019443	115.50	0.0	0.0	0.0
	-12.25000	4.00250	116.00000	-0.024925	115.50	0.0	0.0	0.0
	-12.00000	2.00286	116.00000	-0.030355	115.50	0.0	0.0	0.0
	-11.75000	0.00321	116.00000	-0.035180	115.50	0.0	0.0	0.0
	-11.50000	-1.99643	116.00000	-0.038763	115.50	0.0	0.0	0.0
	-11.25000	-3.99607	116.00000	-0.040557	115.50	0.0	0.0	0.0
	-11.00000	-5.99571	116.00000	-0.040303	115.50	0.0	0.0	0.0
	-10.75000	-7.99536	116.00000	-0.038115	115.50	0.0	0.0	0.0
	-10.50000	-9.99500	116.00000	-0.034417	115.50	0.0	0.0	0.0
Line 39	-5.50000	-10.00000	113.00000	-0.087893	112.75	-105.28E-6	-0.18562	0.0
	-4.95000	-11.95000	112.90000	-0.074951	112.61	-285.94E-6	-0.27081	1.3455E-6
	-4.40000	-13.90000	112.80000	-0.061771	112.52	-440.69E-6	-0.26699	1.3217E-6

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Excluding Pavilion

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-3.85000	-15.85000	112.70000	-0.050379	112.43	-567.39E-6	-0.24627	1.2143E-6
	-3.30000	-17.80000	112.60000	-0.041153	112.34	-635.10E-6	-0.22100	1.0859E-6
	-2.75000	-19.75000	112.50000	-0.033439	112.25	-648.26E-6	-0.19559	0.0
	-2.20000	-21.70000	112.40000	-0.026667	112.16	-623.06E-6	-0.17194	0.0
	-1.65000	-23.65000	112.30000	-0.020557	112.01	-662.26E-6	-0.15389	0.0
	-1.10000	-25.60000	112.20000	-0.015028	111.93	-585.92E-6	-0.13470	0.0
	-0.55000	-27.55000	112.10000	-0.010102	111.84	-511.99E-6	-0.11789	0.0
	0.00000	-29.50000	112.00000	-0.0058206	111.75	-444.43E-6	-0.10329	0.0
	0.55000	-31.45000	111.90000	-0.0022008	111.66	-384.82E-6	-0.090706	0.0
	1.10000	-33.40000	111.80000	782.10E-6	111.50	-375.72E-6	-0.082097	0.0
	1.65000	-35.35000	111.70000	0.0039388	111.35	-354.68E-6	-0.074156	1.4406E-6
	2.20000	-37.30000	111.60000	0.0056420	111.30	-290.61E-6	-0.065017	1.2655E-6
	2.75000	-39.25000	111.50000	0.0069465	111.25	-240.37E-6	-0.057298	1.1171E-6
	3.30000	-41.20000	111.40000	0.0079170	111.20	-200.67E-6	-0.050760	0.0
	3.85000	-43.15000	111.30000	0.0086126	111.15	-169.05E-6	-0.045199	0.0
	4.40000	-45.10000	111.20000	0.0090846	111.10	-143.64E-6	-0.040448	0.0
	4.95000	-47.05000	111.10000	0.0093767	111.05	-123.04E-6	-0.036367	0.0
	5.50000	-49.00000	111.00000	0.0095253	110.92	-116.78E-6	-0.033686	0.0

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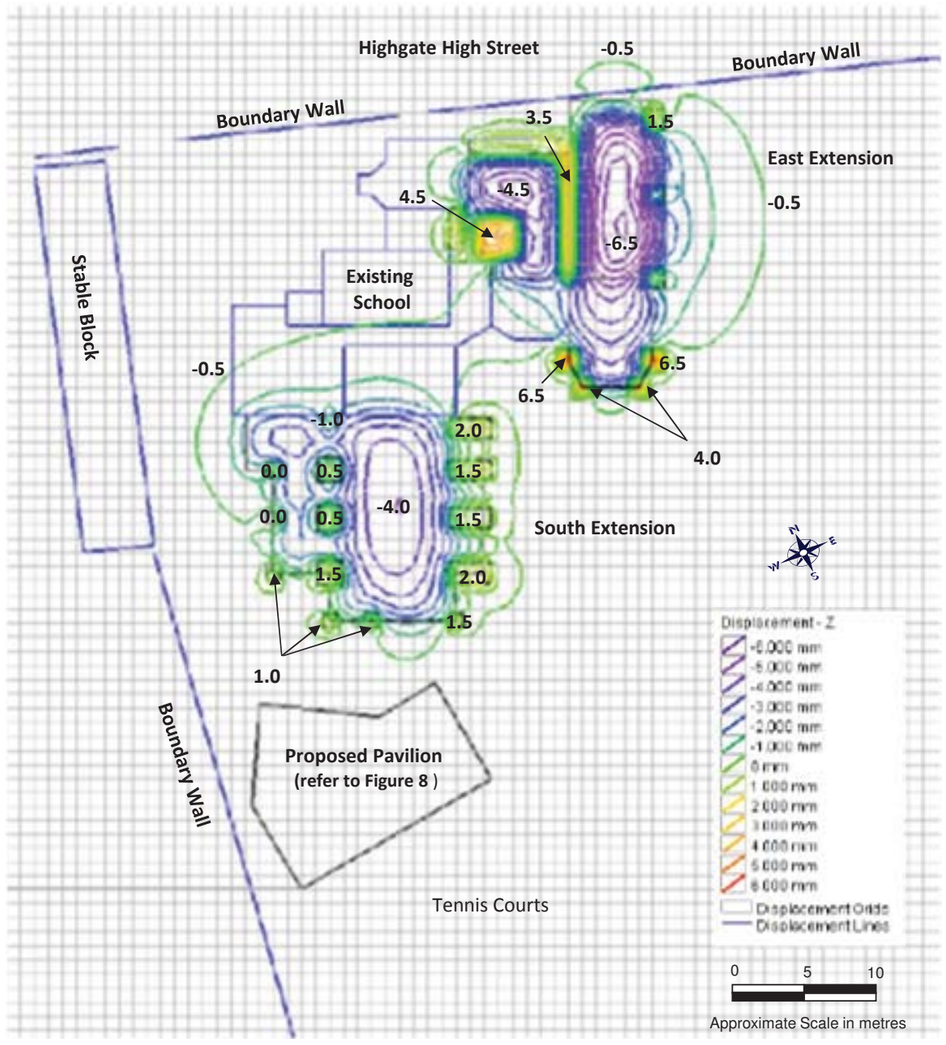
Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR
Client	Channing Junior School
Engineer	Heyne Tillett Steel

Job Number J17268

Sheet 1/1

Figure 5 - Total Heave / Settlement



Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Excluding Pavilion

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Notes
Refer to Figure 5 for contour output of displacement grids

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.20
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: 60.00 [m OD]
Displacements at load centroids: Yes

Soil ProfilesSoil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	117.00	1	10000.	10000.	0.20000	None
2	115.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	39375.	79875.	0.20000	None
5	90.000	15	79875.	181120.	0.20000	None

Soil ProfilesSoil Profile 2

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	114.00	1	10000.	10000.	0.20000	None
2	113.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	39375.	79875.	0.20000	None
5	90.000	15	79875.	181120.	0.20000	None

Soil ProfilesSoil Profile 3

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	112.00	1	10000.	10000.	0.20000	None
2	111.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	39375.	79875.	0.20000	None
5	90.000	15	79875.	181120.	0.20000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Soil Zone 1	-20.00000	0.00000	-10.00000	40.00000	Soil Profile 1
2	Soil Zone 2	0.00000	31.00000	5.00000	40.00000	Soil Profile 1
3	Soil Zone 3	31.00000	50.00000	20.00000	40.00000	Soil Profile 1
4	Soil Zone 4	0.00000	31.00000	-10.00000	5.00000	Soil Profile 2
5	Soil Zone 5	31.00000	50.00000	-10.00000	20.00000	Soil Profile 2
6	Soil Zone 6	-20.00000	50.00000	-26.50000	-10.00000	Soil Profile 2
7	Soil Zone 7	-20.00000	5.00000	-34.50000	-26.50000	Soil Profile 2
8	Soil Zone 8	5.00000	50.00000	-34.50000	-26.50000	Soil Profile 3
9	Soil Zone 9	-20.00000	50.00000	-50.00000	-34.50000	Soil Profile 3

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance [%]	Number of rectangles	Load value Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,23) (24,20) (17,20) (17,15) (15.5,15) (15.5,12) (18.5,12) (18.5,10) (30,10) (30,23)	10.000	4	-45.000	N/A	N/A
2	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,10) (24,4) (25,2) (29,2) (30,4) (30,10)	10.000	2	-20.000	N/A	N/A
3	South Extension	Polygonal	Horizontal	N/A	N/A	113.00000	N/A	N/A	N/A	(1,0) (18,0) (18,-11.5) (16,-11.5) (16,-15) (7,-15) (7,-11.5) (3,-11.5) (3,-4) (1,-4)	10.000	3	-20.000	N/A	N/A
4	Pavilion	Polygonal	Horizontal	N/A	N/A	110.50000	N/A	N/A	N/A	(2,-21) (10.5,-22) (14.5,-19.5) (18.5,-26.5) (5,-34.5) (1.5,-28.5)	5.0000	10	0.0	N/A	N/A
5	L-Shaped RC Underpin for East Extension	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(30,23) (30,22) (25,22) (25,20) (24,20) (24,23)	10.000	2	70.000	N/A	N/A
6	RC Underpin of Wall 30	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(24.5,20) (17,20) (17,19) (24.5,19)	10.000	1	130.00	N/A	N/A
7	RC Underpin between Wall 27 & 29	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(15.5,15) (15.5,12) (16.5,12) (16.5,15)	10.000	1	110.00	N/A	N/A
8	RC Underpin of Wall 31	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(23.5,19) (24.5,19) (24.5,10) (23.5,10)	10.000	1	210.00	N/A	N/A
9	Pad 6 -	Rectangular	Horizontal	19.00000	13.00000	113.85000	0.0	2.5000	2.5000	N/A	N/A	1	162.00	0.0	0.0
10	Pad 1 - A	Rectangular	Horizontal	24.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A	N/A	1	90.000	0.0	0.0
11	Pad 2 - A	Rectangular	Horizontal	25.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A	N/A	1	84.000	0.0	0.0
12	Pad 2 - B	Rectangular	Horizontal	29.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A	N/A	1	84.000	0.0	0.0
13	Pad 5 - A	Rectangular	Horizontal	7.00000	-0.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
14	Pad 5 - B	Rectangular	Horizontal	3.00000	-4.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
15	Pad 5 - C	Rectangular	Horizontal	3.00000	-7.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
16	Pad 5 - D	Rectangular	Horizontal	3.00000	-11.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
17	Pad 5 - E	Rectangular	Horizontal	7.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
18	Pad 5 - F	Rectangular	Horizontal	10.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
19	Pad 5 - G	Rectangular	Horizontal	16.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	102.00	0.0	0.0
20	Pad 4 - A	Rectangular	Horizontal	17.00000	-1.00000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
21	Pad 4 - B	Rectangular	Horizontal	17.00000	-4.00000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
22	Pad 4 - C	Rectangular	Horizontal	17.00000	-7.50000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
23	Pad 4 - D	Rectangular	Horizontal	17.00000	-11.50000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	74.000	0.0	0.0
24	Pad 3 - A	Rectangular	Horizontal	7.00000	-4.00000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	100.00	0.0	0.0
25	Pad 3 - B	Rectangular	Horizontal	7.00000	-7.50000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	100.00	0.0	0.0
26	Pad 3 - C	Rectangular	Horizontal	7.00000	-11.50000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	100.00	0.0	0.0
27	Pad 1 - B	Rectangular	Horizontal	30.00000	21.50000	113.85000	0.0	1.5000	1.5000	N/A	N/A	1	90.000	0.0	0.0

Load ref.	Name	Shape	Orientation of Plane	X	Centre of load (Global) Y	Z (level)	Angle of local x from	Width x or Radius	Length y	Polygon Coordinates	Rectangle tolerance	Number of rectangles	Load value Normal (local z)	Tangential (local x)	(local y)
28	Pad 1 - C	Rectangular	Horizontal	30.00000	16.00000	113.85000	0.0	1.5000	1.5000	N/A		1	90.000	0.0	0.0
29	Pad 1 - D	Rectangular	Horizontal	30.00000	10.00000	113.85000	0.0	1.5000	1.5000	N/A		1	90.000	0.0	0.0
30	Pad 1 - E	Rectangular	Horizontal	30.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A		1	90.000	0.0	0.0

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : East Extension					
(Edge 1 optimal)					
1	27.00000	21.50000	-90.000	3.0000	6.0000
2	23.50000	17.50000	-90.000	5.0000	13.000
3	22.75000	13.50000	-90.000	3.0000	14.500
4	24.25000	11.00000	-90.000	2.0000	11.500
Load 2 : East Extension					
(Edge 1 optimal)					
1	27.00000	7.00000	-90.000	6.0000	6.0000
2	27.00000	3.00000	-90.000	2.0000	5.0000
Load 3 : South Extension					
(Edge 1 optimal)					
1	10.50000	-7.75000	-90.000	7.5000	15.000
2	11.50000	-13.25000	-90.000	3.5000	9.0000
3	9.50000	-2.00000	-90.000	4.0000	17.000
Load 4 : Pavilion					
(Edge 1 optimal)					
1	3.53052	-30.88353	30.651	1.0634	7.7207
2	4.05044	-29.67497	30.651	1.0634	9.2700
3	4.57037	-28.46640	30.651	1.0634	10.819
4	5.09029	-27.25784	30.651	1.0634	12.369
5	6.54628	-26.44788	30.651	2.2676	12.278
6	8.93832	-26.03655	30.651	2.2676	10.547
7	11.33037	-25.62521	30.651	2.2676	8.8153
8	14.48617	-24.22666	30.651	4.5882	8.0040
9	15.95946	-22.15034	30.651	0.063725	6.0437
10	14.98649	-20.38345	30.651	0.063725	2.0146
Load 5 : L-Shaped RC Underpin for East Extension					
(Edge 2 optimal)					
1	27.00000	22.50000	-90.000	1.0000	6.0000
2	24.50000	21.00000	-90.000	2.0000	1.0000
Load 6 : RC Underpin of Wall 30					
(Edge 1 optimal)					
1	20.75000	19.50000	-180.00	7.5000	1.0000
Load 7 : RC Underpin between Wall 27 & 29					
(Edge 1 optimal)					
1	16.00000	13.50000	-90.000	3.0000	1.0000
Load 8 : RC Underpin of Wall 31					
(Edge 2 optimal)					
1	24.00000	14.50000	0.0	1.0000	9.0000

Displacement Data

Ref.	Type	Name	Direction of Extrusion	First point X [m]	Y [m]	Z(level) [m]	Second point X [m]	Y [m]	Z(level) [m]	No. of intrvls across extrusion/line	No. of intrvls along Extrusion Depth [m]	Calculate	Show Detailed results
1	Line	Line 1	N/A	0.00000	0.00000	113.50000	16.00000	0.00000	113.50000	8	N/A	Yes	No
2	Line	Line 2	N/A	16.00000	0.00000	113.50000	16.00000	5.00000	113.50000	5	N/A	Yes	No
3	Line	Line 3	N/A	8.00000	0.00000	113.50000	8.00000	5.00000	113.50000	5	N/A	Yes	No
4	Line	Line 4	N/A	8.00000	5.00000	113.50000	16.00000	5.00000	113.50000	8	N/A	Yes	No
5	Line	Line 5	N/A	16.00000	5.00000	113.50000	18.50000	6.50000	113.50000	2	N/A	Yes	No
6	Line	Line 6	N/A	18.50000	6.50000	113.50000	18.50000	12.00000	113.50000	5	N/A	Yes	No
7	Line	Line 7	N/A	6.50000	12.00000	113.50000	18.50000	12.00000	113.50000	6	N/A	Yes	No
8	Line	Line 8	N/A	6.50000	6.50000	113.50000	6.50000	12.00000	113.50000	5	N/A	Yes	No
9	Line	Line 9	N/A	4.00000	9.00000	113.50000	6.50000	9.00000	113.50000	2	N/A	Yes	No
10	Line	Line 10	N/A	4.00000	6.50000	113.50000	4.00000	9.00000	113.50000	2	N/A	Yes	No
11	Line	Line 11	N/A	4.00000	6.50000	113.50000	15.50000	6.50000	113.50000	5	N/A	Yes	No
12	Line	Line 12	N/A	15.50000	6.50000	113.50000	15.50000	12.00000	113.50000	5	N/A	Yes	No
13	Line	Line 13	N/A	0.00000	8.00000	113.50000	4.00000	8.00000	113.50000	4	N/A	Yes	No
14	Line	Line 14	N/A	0.00000	0.00000	113.50000	0.00000	8.00000	113.50000	8	N/A	Yes	No
15	Line	Line 15	N/A	18.50000	6.50000	113.50000	20.00000	5.50000	113.50000	1	N/A	Yes	No
16	Line	Line 16	N/A	20.00000	5.50000	113.50000	23.00000	5.50000	113.50000	3	N/A	Yes	No
17	Line	Line 17	N/A	23.00000	5.50000	113.50000	24.00000	6.50000	113.50000	1	N/A	Yes	No
18	Line	Line 18	N/A	24.00000	6.50000	113.50000	24.00000	10.00000	113.50000	3	N/A	Yes	No
19	Line	Line 19	N/A	18.50000	10.00000	113.50000	24.00000	10.00000	113.50000	5	N/A	Yes	No
20	Line	Line 20	N/A	11.00000	12.00000	116.00000	11.00000	15.00000	116.00000	3	N/A	Yes	No
21	Line	Line 21	N/A	11.00000	15.00000	114.00000	10.00000	16.00000	114.00000	1	N/A	Yes	No
22	Line	Line 22	N/A	10.00000	16.00000	114.00000	9.00000	16.00000	114.00000	1	N/A	Yes	No
23	Line	Line 23	N/A	9.00000	16.00000	114.00000	9.00000	17.50000	114.00000	1	N/A	Yes	No
24	Line	Line 24	N/A	9.00000	17.50000	114.00000	10.00000	17.50000	114.00000	1	N/A	Yes	No
25	Line	Line 25	N/A	10.00000	17.50000	114.00000	11.00000	18.50000	114.00000	1	N/A	Yes	No
26	Line	Line 26	N/A	11.00000	18.50000	114.00000	11.00000	20.00000	114.00000	1	N/A	Yes	No
27	Line	Line 27	N/A	11.00000	20.00000	114.00000	17.00000	20.00000	114.00000	6	N/A	Yes	No
28	Line	Line 28	N/A	17.00000	15.00000	114.00000	17.00000	20.00000	114.00000	5	N/A	Yes	No
29	Line	Line 29	N/A	11.00000	15.00000	114.00000	17.00000	15.00000	114.00000	6	N/A	Yes	No
30	Line	Line 30	N/A	17.00000	20.00000	116.00000	24.00000	20.00000	116.00000	7	N/A	Yes	No
31	Line	Line 31	N/A	24.00000	10.00000	116.00000	24.00000	20.00000	116.00000	5	N/A	Yes	No
32	Line	Line 32	N/A	14.00000	22.00000	114.50000	50.00000	26.00000	114.50000	18	N/A	Yes	No
33	Line	Line 33	N/A	-4.00000	20.00000	114.50000	12.00000	21.75000	114.50000	8	N/A	Yes	No
34	Line	Line 34	N/A	-14.00000	18.75000	114.50000	-8.00000	19.50000	114.50000	6	N/A	Yes	No
35	Line	Line 35	N/A	-14.00000	18.00000	116.00000	-9.00000	18.50000	116.00000	5	N/A	Yes	No
36	Line	Line 36	N/A	-9.00000	18.50000	116.00000	-5.50000	-9.50000	116.00000	14	N/A	Yes	No
37	Line	Line 37	N/A	-10.50000	-9.99500	116.00000	-5.50000	-9.50000	116.00000	5	N/A	Yes	No
38	Line	Line 38	N/A	-14.00000	18.00000	116.00000	-10.50000	-9.99500	116.00000	14	N/A	Yes	No
39	Line	Line 39	N/A	-5.50000	-10.00000	113.00000	5.50000	-49.00000	111.00000	20	N/A	Yes	No
40	Grid	Grid 1	Global X	-20.00000	-9.99500	117.00000	N/A	40.00000	117.00000	50	19.99500	20	No N/A
41	Grid	Grid 2	Global X	0.00000	5.00500	117.00000	N/A	40.00000	117.00000	35	30.99500	31	No N/A
42	Grid	Grid 3	Global X	31.00000	20.00500	117.00000	N/A	40.00000	117.00000	20	19.00000	19	No N/A
43	Grid	Grid 4	Global X	0.00000	-10.00000	114.00000	N/A	5.00000	114.00000	15	31.00000	31	No N/A
44	Grid	Grid 5	Global X	30.00000	-10.00000	114.00000	N/A	20.00000	114.00000	30	20.00000	20	No N/A
45	Grid	Grid 6	Global X	-20.00000	-26.49500	114.00000	N/A	-10.00000	114.00000	16	70.00000	70	No N/A
46	Grid	Grid 7	Global X	-20.00000	-34.49500	114.00000	N/A	-26.50000	114.00000	8	24.99500	25	No N/A
47	Grid	Grid 8	Global X	5.00000	-34.50000	112.00000	N/A	-26.50000	112.00000	8	45.00000	45	No N/A
48	Grid	Grid 9	Global X	-20.00000	-50.00000	112.00000	N/A	-34.50000	112.00000	15	70.00000	70	No N/A

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Horizontal rigid boundary level: 60.00 [m OD]

The maximum displacement difference between the Boussinesq method (3.5382mm) and the Mindlin method (-1.7618mm) occurs at point X = 24.00000m, Y = 16.00000m, level = 116.00mOD, and is 5.3000mm.

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
East Extension	23.81856	15.81773	114.00000	3.0452	113.60	151.11	239.98	0.0033334
East Extension	27.00000	6.14493	114.00000	-3.2936	113.60	-19.975	-42.834	-385.08E-6
South Extension	10.32783	-6.72288	113.00000	-3.8560	112.75	-20.000	-46.571	-367.14E-6
Pavilion	8.88752	-26.39877	110.50000	-0.10408	110.25	-0.010951	-0.26145	0.0
L-Shaped RC Underpin for East Extension	26.37500	22.12500	113.85000	-1.6131	113.37	1.7676	-4.0965	73.511E-6
RC Underpin of	20.75000	19.50000	113.85000	1.7845	113.37	68.923	89.376	0.0016208

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Excluding Pavilion

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
Wall 30								
RC Underpin between Wall 27 & 29	16.00000	13.50000	113.85000	1.6999	113.37	52.808	70.737	0.0012306
RC Underpin of Wall 31	24.00000	14.50000	113.85000	2.6212	113.37	129.41	161.31	0.0030757
Pad 6	19.00000	13.00000	113.85000	4.2282	113.37	111.85	176.03	0.0024752
Pad 1 - A	24.00000	4.00000	113.85000	6.2159	113.43	75.378	102.96	0.0069861
Pad 2 - A	25.00000	2.00000	113.85000	3.4628	113.43	44.845	44.889	0.0044836
Pad 2 - B	29.00000	2.00000	113.85000	3.4831	113.43	44.845	44.931	0.0044828
Pad 5 - A	7.00000	-0.50000	112.60000	0.13881	112.34	76.942	110.01	0.0017582
Pad 5 - B	3.00000	-4.00000	112.60000	0.32871	112.34	79.210	111.01	0.0018213
Pad 5 - C	3.00000	-7.50000	112.60000	0.99307	112.34	84.131	120.13	0.0019233
Pad 5 - D	3.00000	-11.50000	112.60000	1.7865	112.34	89.121	130.33	0.0020220
Pad 5 - E	7.00000	-15.00000	112.60000	1.8391	112.34	89.123	130.60	0.0020207
Pad 5 - F	10.00000	-15.00000	112.60000	0.95533	112.34	84.149	120.36	0.0019227
Pad 5 - G	16.00000	-15.00000	112.60000	1.7450	112.34	89.121	130.33	0.0020220
Pad 4 - A	17.00000	-1.00000	112.60000	1.9745	112.34	54.249	104.10	0.0011070
Pad 4 - B	17.00000	-4.00000	112.60000	1.7112	112.34	53.597	100.34	0.0011062
Pad 4 - C	17.00000	-7.50000	112.60000	1.4748	112.34	53.584	99.512	0.0011100
Pad 4 - D	17.00000	-11.50000	112.60000	2.1037	112.34	62.795	114.10	0.0013134
Pad 3 - A	7.00000	-4.00000	112.60000	0.98424	112.34	78.276	136.32	0.0016667
Pad 3 - B	7.00000	-7.50000	112.60000	1.1481	112.34	78.275	136.44	0.0016660
Pad 3 - C	7.00000	-11.50000	112.60000	1.9921	112.34	83.266	146.71	0.0017645
Pad 1 - B	30.00000	21.50000	113.85000	0.72189	113.37	59.195	76.014	0.0013958
Pad 1 - C	30.00000	16.00000	113.85000	-1.1619	113.37	56.163	60.261	0.0013836
Pad 1 - D	30.00000	10.00000	113.85000	-0.20369	113.37	62.403	73.148	0.0015064
Pad 1 - E	30.00000	4.00000	113.85000	6.2720	113.43	75.380	103.11	0.0069835
Line 1	0.00000	0.00000	113.50000	-0.87034	113.25	-56.513E-6	-0.034209	0.0
	2.00000	0.00000	113.50000	-1.7076	113.25	-78.176E-6	-0.041147	0.0
	4.00000	0.00000	113.50000	-1.9589	113.25	-109.66E-6	-0.049888	0.0
	6.00000	0.00000	113.50000	-1.6606	113.25	-155.92E-6	-0.060980	1.2009E-6
	8.00000	0.00000	113.50000	-1.7271	113.25	-224.43E-6	-0.075148	1.4760E-6
	10.00000	0.00000	113.50000	-2.3338	113.25	-326.26E-6	-0.093306	1.8270E-6
	12.00000	0.00000	113.50000	-2.3226	113.25	-476.67E-6	-0.11646	2.2721E-6
	14.00000	0.00000	113.50000	-1.7955	113.25	-692.93E-6	-0.14521	2.8210E-6
	16.00000	0.00000	113.50000	-0.15959	113.25	-978.28E-6	-0.17806	3.4438E-6
Line 2	16.00000	0.00000	113.50000	-0.15959	113.25	-978.28E-6	-0.17806	3.4438E-6
	16.00000	1.00000	113.50000	-0.44178	113.25	-0.0012977	-0.20706	3.9854E-6
	16.00000	2.00000	113.50000	-0.52810	113.25	-0.0017736	-0.24332	4.6535E-6
	16.00000	3.00000	113.50000	-0.55226	113.25	-0.0025105	-0.28917	5.4821E-6
	16.00000	4.00000	113.50000	-0.55576	113.25	-0.0036918	-0.34718	6.5007E-6
	16.00000	5.00000	113.50000	-0.55317	113.25	-0.0056615	-0.41986	7.7178E-6
Line 3	8.00000	0.00000	113.50000	-1.7271	113.25	-224.43E-6	-0.075148	1.4760E-6
	8.00000	1.00000	113.50000	-1.2608	113.25	-264.67E-6	-0.081519	1.5986E-6
	8.00000	2.00000	113.50000	-1.0293	113.25	-312.46E-6	-0.088254	1.7276E-6
	8.00000	3.00000	113.50000	-0.84836	113.25	-369.02E-6	-0.095289	1.8615E-6
	8.00000	4.00000	113.50000	-0.70826	113.25	-435.64E-6	-0.10253	1.9984E-6
	8.00000	5.00000	113.50000	-0.60035	113.25	-513.50E-6	-0.10986	2.1357E-6
Line 4	8.00000	5.00000	113.50000	-0.60035	113.25	-513.50E-6	-0.10986	2.1357E-6
	9.00000	5.00000	113.50000	-0.61468	113.25	-666.00E-6	-0.12592	2.4385E-6
	10.00000	5.00000	113.50000	-0.62342	113.25	-873.21E-6	-0.14521	2.7993E-6
	11.00000	5.00000	113.50000	-0.62455	113.25	-0.0011583	-0.16870	3.2349E-6
	12.00000	5.00000	113.50000	-0.61728	113.25	-0.0015556	-0.19781	3.7695E-6
	13.00000	5.00000	113.50000	-0.60261	113.25	-0.0021166	-0.23457	4.4373E-6
	14.00000	5.00000	113.50000	-0.58353	113.25	-0.0029165	-0.28169	5.2839E-6
	15.00000	5.00000	113.50000	-0.56501	113.25	-0.0040585	-0.34247	6.3623E-6
	16.00000	5.00000	113.50000	-0.55317	113.25	-0.0056615	-0.41986	7.7178E-6
Line 5	16.00000	5.00000	113.50000	-0.55317	113.25	-0.0056615	-0.41986	7.7178E-6
	17.25000	5.75000	113.50000	-0.58348	113.06	-0.021815	-0.72429	2.9670E-6
	18.50000	6.50000	113.50000	-0.69438	113.06	-0.061047	-1.2895	4.6161E-6
Line 6	18.50000	6.50000	113.50000	-0.69438	113.06	-0.061047	-1.2895	4.6161E-6
	18.50000	7.60000	113.50000	-0.78079	113.06	-0.18482	-2.1214	5.0626E-6
	18.50000	8.70000	113.50000	-0.88316	113.06	-0.90730	-4.2993	-5.7224E-6
	18.50000	9.80000	113.50000	-1.0633	113.06	-7.4760	-11.336	-167.60E-6
	18.50000	10.90000	113.50000	-0.73653	113.06	-12.043	-5.5531	-333.51E-6
	18.50000	12.00000	113.50000	2.3127	113.06	66.830	80.176	0.0016040
Line 7	6.50000	12.00000	113.50000	-0.25947	113.06	-0.0012330	-0.13364	0.0
	8.50000	12.00000	113.50000	-0.28125	113.06	-0.0023968	-0.17393	0.0
	10.50000	12.00000	113.50000	-0.29244	113.06	-0.0046744	-0.19635	0.0
	12.50000	12.00000	113.50000	-0.26174	113.06	-89.736E-6	0.041065	0.0
	14.50000	12.00000	113.50000	-0.041829	113.06	0.86924	4.0717	5.7187E-6
	16.50000	12.00000	113.50000	0.35596	113.06	6.3963	15.459	114.59E-6
	18.50000	12.00000	113.50000	2.3127	113.06	66.830	80.176	0.0016040
Line 8	6.50000	6.50000	113.50000	-0.46104	113.06	-696.79E-6	-0.10708	0.0
	6.50000	7.60000	113.50000	-0.39989	113.06	-796.29E-6	-0.11272	0.0
	6.50000	8.70000	113.50000	-0.35194	113.06	-902.34E-6	-0.11811	0.0
	6.50000	9.80000	113.50000	-0.31397	113.06	-0.0010128	-0.12333	0.0
	6.50000	10.90000	113.50000	-0.28370	113.06	-0.0011246	-0.12848	0.0
	6.50000	12.00000	113.50000	-0.25947	113.06	-0.0012330	-0.13364	0.0
Line 9	4.00000	9.00000	113.50000	-0.30393	113.06	-480.53E-6	-0.086780	0.0
	5.25000	9.00000	113.50000	-0.32322	113.06	-662.80E-6	-0.10169	0.0
	6.50000	9.00000	113.50000	-0.34070	113.06	-932.14E-6	-0.11955	0.0
Line 10	4.00000	6.50000	113.50000	-0.41289	113.06	-382.68E-6	-0.078733	0.0
	4.00000	7.75000	113.50000	-0.35102	113.06	-431.13E-6	-0.082876	0.0
	4.00000	9.00000	113.50000	-0.30393	113.06	-480.53E-6	-0.086780	0.0
Line 11	4.00000	6.50000	113.50000	-0.41289	113.06	-382.68E-6	-0.078733	0.0
	6.30000	6.50000	113.50000	-0.45770	113.06	-662.64E-6	-0.10439	0.0
	8.60000	6.50000	113.50000	-0.49039	113.06	-0.0012148	-0.14106	0.0
	10.90000	6.50000	113.50000	-0.50704	113.06	-0.0024058	-0.19614	0.0
	13.20000	6.50000	113.50000	-0.51004	113.06	-0.0054231	-0.29319	1.3032E-6
	15.50000	6.50000	113.50000	-0.53322	113.06	-0.015044	-0.51706	2.1340E-6
Line 12	15.50000	6.50000	113.50000	-0.53322	113.06	-0.015044	-0.51706	2.1340E-6
	15.50000	7.60000	113.50000	-0.50372	113.06	-0.024848	-0.57056	2.1074E-6
	15.50000	8.70000	113.50000	-0.44941	113.06	-0.038847	-0.50667	1.3680E-6
	15.50000	9.80000	113.50000	-0.34448	113.06	-0.037284	0.0013846	-1.1254E-6
	15.50000	10.90000	113.50000	-0.14228	113.06	0.39824	2.5611	0.0
	15.50000	12.00000	113.50000	0.46977	113.06	13.532	19.081	310.55E-6
Line 13	0.00000	8.00000	113.50000	-0.26039	113.06	-181.54E-6	-0.052620	0.0
	1.00000	8.00000	113.50000	-0.28140	113.06	-223.60E-6	-0.058793	0.0
	2.00000	8.00000	113.50000	-0.30203	113.06	-277.78E-6	-0.065912	0.0
	3.00000	8.00000	113.50000	-0.32187	113.06	-348.28E-6	-0.074143	0.0
	4.00000	8.00000	113.50000	-0.34059	113.06	-440.98E-6	-0.083677	0.0
Line 14	0.00000	0.00000	113.50000	-0.87034	113.25	-56.513E-6	-0.034209	0.0
	0.00000	1.00000	113.50000	-0.72633	113.25	-62.163E-6	-0.035929	0.0
	0.00000	2.00000	113.50000	-0.60298	113.25	-68.203E-6	-0.037664	0.0
	0.00000	3.00000	113.50000	-0.50697	113.25	-74.602E-6	-0.039400	0.0
	0.00000	4.00000	113.50000	-0.43281	113.25	-81.315E-6	-0.041122	0.0
	0.00000	5.00000	113.50000	-0.37476	113.25	-88.273E-6	-0.042811	0.0
	0.00000	6.00000	113.50000	-0.32894	113.06	-158.64E-6	-0.049391	0.0
	0.00000	7.00000	113.50000	-0.29136	113.06	-170.18E-6	-0.051056	0.0
	0.00000	8.00000	113.50000	-0.26039	113.06	-181.54E-6	-0.052620	0.0
Line 15	18.50000	6.50000	113.50000	-0.69438	113.06	-0.061047	-1.2895	4.6161E-6
	20.00000	5.50000	113.50000	-0.69902	113.06	-0.031921	-1.0795	4.4400E-6
Line 16	20.00000	5.50000	113.50000	-0.69902	113.06	-0.031921	-1.0795	4.4400E-6
	21.00000	5.50000	113.50000	-0.75518	113.06	-0.0037915	-1.0038	4.9051E-6
	22.00000	5.50000	113.50000	-0.81040	113.06	0.20709	-0.31054	7.7654E-6
	23.00000	5.50000	113.50000	-0.89436	113.06	1.1567	1.4043	27.680E-6
Line 17	23.00000	5.50000	113.50000	-0.89436	113.06	1.1567	1.4043	27.680E-6
	24.00000	6.50000	113.50000	-2.0128	113.06	-9.4674	-16.854	-199.75E-6
Line 18	24.00000	6.50000	113.50000	-2.0128	113.06	-9.4674	-16.854	-199.75E-6
	24.00000	7.66667	113.50000	-2.3464	113.06	-9.9235	-19.539	-200.01E-6
	24.00000	8.83333	113.50000	-2.3414	113.06	-8.7175	-15.908	-181.99E-6
	24.00000	10.00000	113.50000	-0.67446	113.06	40.666	34.628	0.0010469
Line 19	18.50000	10.00000	113.50000	-1.1009	113.06	-10.099	-12.974	-238.10E-6
	19.60000	10.00000	113.50000	-1.8633	113.06	-19.695	-26.379	-458.96E-6
	20.70000	10.00000	113.50000	-2.3693	113.06	-21.274	-32.342	-476.52E-6
	21.80000	10.00000	113.50000	-2.5465	113.06	-21.005	-31.776	-471.28E-6
	22.90000	10.00000	113.50000	-2.0353	113.06	-10.427	-11.506	-255.27E-6
	24.00000	10.00000	113.50000	-0.67446	113.06	40.666	34.628	0.0010469

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
Line 20	11.00000	12.00000	116.00000	-0.28995	115.50	0.0	0.0	0.0
	11.00000	13.00000	116.00000	-0.27763	115.50	0.0	0.0	0.0
	11.00000	14.00000	116.00000	-0.27531	115.50	0.0	0.0	0.0
	11.00000	15.00000	116.00000	-0.27978	115.50	0.0	0.0	0.0
Line 21	11.00000	15.00000	114.00000	-0.28004	113.60	-0.0021838	-0.33794	1.6242E-6
	10.00000	16.00000	114.00000	-0.26187	113.60	-0.0011109	-0.26179	1.2756E-6
Line 22	10.00000	16.00000	114.00000	-0.26187	113.60	-0.0011109	-0.26179	1.2756E-6
	9.00000	16.00000	114.00000	-0.24205	113.60	-654.21E-6	-0.20282	0.0
Line 23	9.00000	16.00000	114.00000	-0.24205	113.60	-654.21E-6	-0.20282	0.0
	9.00000	17.50000	114.00000	-0.23050	113.60	-588.68E-6	-0.19793	0.0
Line 24	9.00000	17.50000	114.00000	-0.23050	113.60	-588.68E-6	-0.19793	0.0
	10.00000	17.50000	114.00000	-0.25425	113.60	-971.45E-6	-0.25563	1.2490E-6
Line 25	10.00000	17.50000	114.00000	-0.25425	113.60	-971.45E-6	-0.25563	1.2490E-6
	11.00000	18.50000	114.00000	-0.27557	113.60	-0.0014641	-0.32145	1.5633E-6
Line 26	11.00000	18.50000	114.00000	-0.27557	113.60	-0.0014641	-0.32145	1.5633E-6
	11.00000	20.00000	114.00000	-0.25091	113.60	-0.0010892	-0.27655	1.3501E-6
Line 27	11.00000	20.00000	114.00000	-0.25091	113.60	-0.0010892	-0.27655	1.3501E-6
	12.00000	20.00000	114.00000	-0.28236	113.60	-0.0019010	-0.36405	1.7632E-6
	13.00000	20.00000	114.00000	-0.31978	113.60	-0.0036486	-0.49311	2.3561E-6
	14.00000	20.00000	114.00000	-0.36015	113.60	-0.0081103	-0.68361	3.1748E-6
	15.00000	20.00000	114.00000	-0.38749	113.60	-0.023148	-0.91794	3.8953E-6
	16.00000	20.00000	114.00000	-0.33181	113.60	-0.10333	-0.45276	0.0
	17.00000	20.00000	114.00000	0.46541	113.60	21.050	40.092	431.04E-6
Line 28	17.00000	15.00000	114.00000	-1.9848	113.60	-32.460	-53.525	-706.16E-6
	17.00000	16.00000	114.00000	-2.4199	113.60	-22.620	-47.286	-442.15E-6
	17.00000	17.00000	114.00000	-2.5323	113.60	-22.477	-46.975	-439.44E-6
	17.00000	18.00000	114.00000	-2.0956	113.60	-22.290	-42.647	-455.45E-6
	17.00000	19.00000	114.00000	-0.36361	113.60	10.056	19.916	202.09E-6
	17.00000	20.00000	114.00000	0.46541	113.60	21.050	40.092	431.04E-6
Line 29	11.00000	15.00000	114.00000	-0.28004	113.60	-0.0021838	-0.33794	1.6242E-6
	12.00000	15.00000	114.00000	-0.29396	113.60	-0.0046778	-0.45630	2.1412E-6
	13.00000	15.00000	114.00000	-0.30270	113.60	-0.012251	-0.62644	2.7647E-6
	14.00000	15.00000	114.00000	-0.29570	113.60	-0.046447	-0.77433	2.4782E-6
	15.00000	15.00000	114.00000	-0.23064	113.60	-0.29924	1.7715	-17.835E-6
	16.00000	15.00000	114.00000	0.29269	113.60	31.389	50.170	690.82E-6
	17.00000	15.00000	114.00000	-1.9848	113.60	-32.460	-53.525	-706.16E-6
Line 30	17.00000	20.00000	116.00000	0.51781	115.50	0.0	0.0	0.0
	18.00000	20.00000	116.00000	1.3691	115.50	0.0	0.0	0.0
	19.00000	20.00000	116.00000	1.4531	115.50	0.0	0.0	0.0
	20.00000	20.00000	116.00000	1.4739	115.50	0.0	0.0	0.0
	21.00000	20.00000	116.00000	1.5111	115.50	0.0	0.0	0.0
	22.00000	20.00000	116.00000	1.5701	115.50	0.0	0.0	0.0
	23.00000	20.00000	116.00000	1.5611	115.50	0.0	0.0	0.0
	24.00000	20.00000	116.00000	1.0846	115.50	0.0	0.0	0.0
Line 31	24.00000	10.00000	116.00000	0.35301	115.50	0.0	0.0	0.0
	24.00000	12.00000	116.00000	3.3835	115.50	0.0	0.0	0.0
	24.00000	14.00000	116.00000	3.4283	115.50	0.0	0.0	0.0
	24.00000	16.00000	116.00000	3.5382	115.50	0.0	0.0	0.0
	24.00000	18.00000	116.00000	3.9650	115.50	0.0	0.0	0.0
	24.00000	20.00000	116.00000	1.0846	115.50	0.0	0.0	0.0
Line 32	14.00000	22.00000	114.50000	-0.26371	114.05	0.0	0.0	0.0
	16.00000	22.22222	114.50000	-0.24236	114.05	0.0	0.0	0.0
	18.00000	22.44444	114.50000	-0.19057	114.05	0.0	0.0	0.0
	20.00000	22.66667	114.50000	-0.20644	114.05	0.0	0.0	0.0
	22.00000	22.88889	114.50000	-0.30619	114.05	0.0	0.0	0.0
	24.00000	23.11111	114.50000	-0.35498	114.05	0.0	0.0	0.0
	26.00000	23.33333	114.50000	-0.72592	114.05	0.0	0.0	0.0
	28.00000	23.55556	114.50000	-0.76945	114.05	0.0	0.0	0.0
	30.00000	23.77778	114.50000	-0.49847	114.05	0.0	0.0	0.0
	32.00000	24.00000	114.50000	-0.46608	114.05	0.0	0.0	0.0
	34.00000	24.22222	114.50000	-0.41168	114.05	0.0	0.0	0.0
	36.00000	24.44444	114.50000	-0.33561	114.05	0.0	0.0	0.0
	38.00000	24.66667	114.50000	-0.26693	114.05	0.0	0.0	0.0
	40.00000	24.88889	114.50000	-0.21152	114.05	0.0	0.0	0.0
	42.00000	25.11111	114.50000	-0.16817	114.05	0.0	0.0	0.0
	44.00000	25.33333	114.50000	-0.13443	114.05	0.0	0.0	0.0
	46.00000	25.55556	114.50000	-0.10808	114.05	0.0	0.0	0.0
	48.00000	25.77778	114.50000	-0.087357	114.05	0.0	0.0	0.0
	50.00000	26.00000	114.50000	-0.070942	114.05	0.0	0.0	0.0
Line 33	-4.00000	20.00000	114.50000	-0.077049	114.05	0.0	0.0	0.0
	-2.00000	20.21875	114.50000	-0.087444	114.05	0.0	0.0	0.0
	0.00000	20.43750	114.50000	-0.099124	114.05	0.0	0.0	0.0
	2.00000	20.65625	114.50000	-0.11249	114.05	0.0	0.0	0.0
	4.00000	20.87500	114.50000	-0.12822	114.05	0.0	0.0	0.0
	6.00000	21.09375	114.50000	-0.14735	114.05	0.0	0.0	0.0
	8.00000	21.31250	114.50000	-0.17139	114.05	0.0	0.0	0.0
	10.00000	21.53125	114.50000	-0.20190	114.05	0.0	0.0	0.0
	12.00000	21.75000	114.50000	-0.23778	114.05	0.0	0.0	0.0
Line 34	-14.00000	18.75000	114.50000	-0.039102	114.05	0.0	0.0	0.0
	-13.00000	18.87500	114.50000	-0.042050	114.05	0.0	0.0	0.0
	-12.00000	19.00000	114.50000	-0.045171	114.05	0.0	0.0	0.0
	-11.00000	19.12500	114.50000	-0.048471	114.05	0.0	0.0	0.0
	-10.00000	19.25000	114.50000	-0.051955	114.05	0.0	0.0	0.0
	-9.00000	19.37500	114.50000	-0.055627	114.05	0.0	0.0	0.0
	-8.00000	19.50000	114.50000	-0.059492	114.05	0.0	0.0	0.0
Line 35	-14.00000	18.00000	116.00000	-0.040669	115.50	0.0	0.0	0.0
	-13.00000	18.10000	116.00000	-0.043835	115.50	0.0	0.0	0.0
	-12.00000	18.20000	116.00000	-0.047199	115.50	0.0	0.0	0.0
	-11.00000	18.30000	116.00000	-0.050767	115.50	0.0	0.0	0.0
	-10.00000	18.40000	116.00000	-0.054545	115.50	0.0	0.0	0.0
	-9.00000	18.50000	116.00000	-0.058540	115.50	0.0	0.0	0.0
Line 36	-9.00000	18.50000	116.00000	-0.058540	115.50	0.0	0.0	0.0
	-8.75000	16.50000	116.00000	-0.067209	115.50	0.0	0.0	0.0
	-8.50000	14.50000	116.00000	-0.077364	115.50	0.0	0.0	0.0
	-8.25000	12.50000	116.00000	-0.089350	115.50	0.0	0.0	0.0
	-8.00000	10.50000	116.00000	-0.10357	115.50	0.0	0.0	0.0
	-7.75000	8.50000	116.00000	-0.12042	115.50	0.0	0.0	0.0
	-7.50000	6.50000	116.00000	-0.14019	115.50	0.0	0.0	0.0
	-7.25000	4.50000	116.00000	-0.16277	115.50	0.0	0.0	0.0
	-7.00000	2.50000	116.00000	-0.18711	115.50	0.0	0.0	0.0
	-6.75000	0.50000	116.00000	-0.21050	115.50	0.0	0.0	0.0
	-6.50000	-1.50000	116.00000	-0.22839	115.50	0.0	0.0	0.0
	-6.25000	-3.50000	116.00000	-0.23604	115.50	0.0	0.0	0.0
	-6.00000	-5.50000	116.00000	-0.23157	115.50	0.0	0.0	0.0
	-5.75000	-7.50000	116.00000	-0.21702	115.50	0.0	0.0	0.0
	-5.50000	-9.50000	116.00000	-0.19629	115.50	0.0	0.0	0.0
Line 37	-10.50000	-9.99500	116.00000	-0.10637	115.50	0.0	0.0	0.0
	-9.50000	-9.89600	116.00000	-0.11967	115.50	0.0	0.0	0.0
	-8.50000	-9.79700	116.00000	-0.13495	115.50	0.0	0.0	0.0
	-7.50000	-9.69800	116.00000	-0.15254	115.50	0.0	0.0	0.0
	-6.50000	-9.59900	116.00000	-0.17284	115.50	0.0	0.0	0.0
	-5.50000	-9.50000	116.00000	-0.19629	115.50	0.0	0.0	0.0
Line 38	-14.00000	18.00000	116.00000	-0.040669	115.50	0.0	0.0	0.0
	-13.75000	16.00036	116.00000	-0.046103	115.50	0.0	0.0	0.0
	-13.50000	14.00071	116.00000	-0.052208	115.50	0.0	0.0	0.0
	-13.25000	12.00107	116.00000	-0.059034	115.50	0.0	0.0	0.0
	-13.00000	10.00143	116.00000	-0.066599	115.50	0.0	0.0	0.0
	-12.75000	8.00179	116.00000	-0.074848	115.50	0.0	0.0	0.0
	-12.50000	6.00214	116.00000	-0.083609	115.50	0.0	0.0	0.0
	-12.25000	4.00250	116.00000	-0.092537	115.50	0.0	0.0	0.0
	-12.00000	2.00286	116.00000	-0.10106	115.50	0.0	0.0	0.0
	-11.75000	0.00321	116.00000	-0.10842	115.50	0.0	0.0	0.0
	-11.50000	-1.99643	116.00000	-0.11374	115.50	0.0	0.0	0.0
	-11.25000	-3.99607	116.00000	-0.11631	115.50	0.0	0.0	0.0
	-11.00000	-5.99571	116.00000	-0.11578	115.50	0.0	0.0	0.0
	-10.75000	-7.99536	116.00000	-0.11228	115.50	0.0	0.0	0.0
	-10.50000	-9.99500	116.00000	-0.10637	115.50	0.0	0.0	0.0
Line 39	-5.50000	-10.00000	113.00000	-0.18914	112.75	-105.28E-6	-0.14849	0.0
	-4.95000	-11.95000	112.90000	-0.17195	112.61	-285.94E-6	-0.21665	1.0747E-6
	-4.40000	-13.90000	112.80000	-0.15349	112.52	-440.69E-6	-0.21359	1.0547E-6

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Excluding Pavilion

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-3.85000	-15.85000	112.70000	-0.13634	112.43	-567.39E-6	-0.19702	0.0
	-3.30000	-17.80000	112.60000	-0.12118	112.34	-635.10E-6	-0.17680	0.0
	-2.75000	-19.75000	112.50000	-0.10754	112.25	-648.26E-6	-0.15647	0.0
	-2.20000	-21.70000	112.40000	-0.094930	112.16	-623.06E-6	-0.13755	0.0
	-1.65000	-23.65000	112.30000	-0.083161	112.01	-662.26E-6	-0.12311	0.0
	-1.10000	-25.60000	112.20000	-0.072218	111.93	-585.92E-6	-0.10776	0.0
	-0.55000	-27.55000	112.10000	-0.062184	111.84	-511.99E-6	-0.094309	0.0
	0.00000	-29.50000	112.00000	-0.053148	111.75	-444.43E-6	-0.082630	0.0
	0.55000	-31.45000	111.90000	-0.045150	111.66	-384.82E-6	-0.072565	0.0
	1.10000	-33.40000	111.80000	-0.038176	111.50	-375.72E-6	-0.065677	0.0
	1.65000	-35.35000	111.70000	-0.031560	111.35	-354.68E-6	-0.059325	1.1439E-6
	2.20000	-37.30000	111.60000	-0.026562	111.30	-290.61E-6	-0.052014	1.0054E-6
	2.75000	-39.25000	111.50000	-0.022301	111.25	-240.37E-6	-0.045838	0.0
	3.30000	-41.20000	111.40000	-0.018683	111.20	-200.67E-6	-0.040608	0.0
	3.85000	-43.15000	111.30000	-0.015617	111.15	-169.05E-6	-0.036159	0.0
	4.40000	-45.10000	111.20000	-0.013024	111.10	-143.64E-6	-0.032358	0.0
	4.95000	-47.05000	111.10000	-0.010832	111.05	-123.04E-6	-0.029094	0.0
	5.50000	-49.00000	111.00000	-0.0089790	110.92	-116.78E-6	-0.026949	0.0

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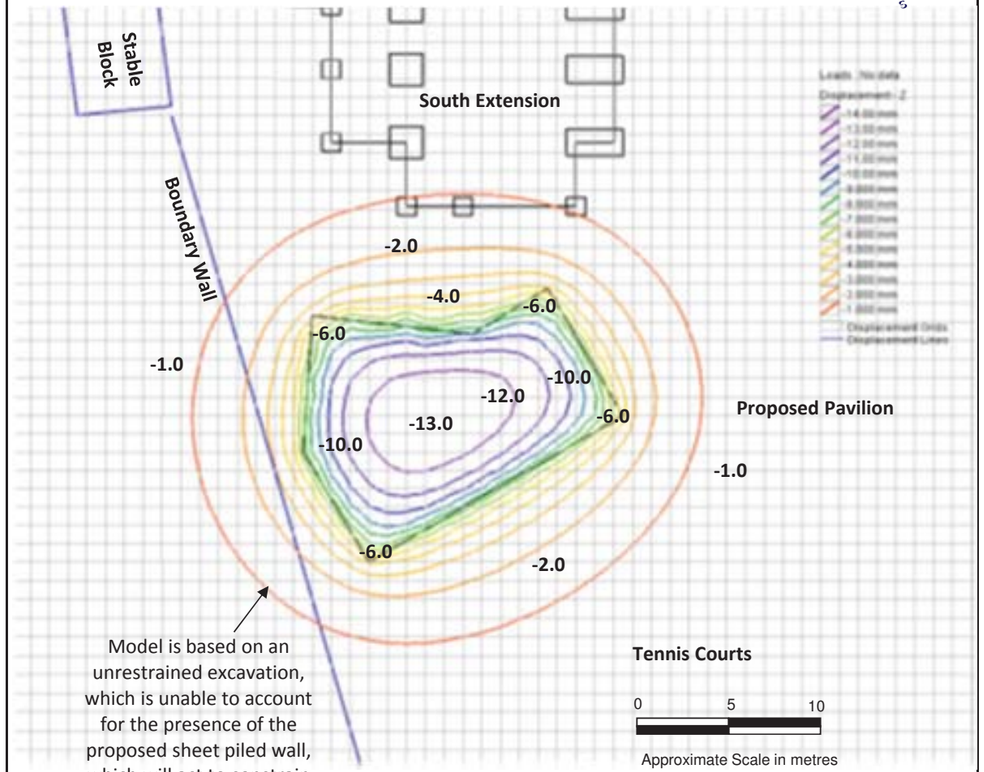
Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 6 - Short-Term Heave / Settlement - Pavilion Only



Model is based on an unrestrained excavation, which is unable to account for the presence of the proposed sheet piled wall, which will act to constrain movements within the excavation. In reality the contours shown beyond the extent of the excavation will not be realised and are therefore ignored in subsequent assessment of damage to nearby structures.

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Notes
Refer to Figure 6 for contour output

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.50
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: 60.00 [m OD]
Displacements at load centroids: Yes

Soil ProfilesSoil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	117.00	1	10000.	10000.	0.20000	None
2	115.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil ProfilesSoil Profile 2

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	114.00	1	10000.	10000.	0.20000	None
2	113.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil ProfilesSoil Profile 3

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	112.00	1	10000.	10000.	0.20000	None
2	111.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Soil Zone 1	-20.00000	0.00000	-10.00000	40.00000	Soil Profile 1
2	Soil Zone 2	0.00000	31.00000	5.00000	40.00000	Soil Profile 1
3	Soil Zone 3	31.00000	50.00000	20.00000	40.00000	Soil Profile 1
4	Soil Zone 4	0.00000	31.00000	-10.00000	5.00000	Soil Profile 2
5	Soil Zone 5	31.00000	50.00000	-10.00000	20.00000	Soil Profile 2
6	Soil Zone 6	-20.00000	50.00000	-26.50000	-10.00000	Soil Profile 2
7	Soil Zone 7	-20.00000	5.00000	-34.50000	-26.50000	Soil Profile 2
8	Soil Zone 8	5.00000	50.00000	-34.50000	-26.50000	Soil Profile 3
9	Soil Zone 9	-20.00000	50.00000	-50.00000	-34.50000	Soil Profile 3

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance [%]	Number of rectangles	Load value Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,23) (24,20) (17,20) (17,15) (15.5,15) (15.5,12) (18.5,12) (18.5,10) (30,10) (30,23)	10.000	4	0.0	N/A	N/A
2	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,10) (24,4) (25,2) (29,2) (30,4) (30,10)	10.000	2	0.0	N/A	N/A
3	South Extension	Polygonal	Horizontal	N/A	N/A	113.00000	N/A	N/A	N/A	(1,0) (18,0) (18,-11.5) (16,-11.5) (16,-15) (7,-15) (7,-11.5) (3,-11.5) (3,-4) (1,-4)	10.000	3	0.0	N/A	N/A
4	Pavilion	Polygonal	Horizontal	N/A	N/A	110.50000	N/A	N/A	N/A	(2,-21) (10.5,-22) (14.5,-19.5) (18.5,-26.5) (5,-34.5) (1.5,-28.5)	5.0000	10	-60.000	N/A	N/A
5	L-Shaped RC Underpin for East Extension	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(30,23) (30,22) (25,22) (25,20) (24,20) (24,23)	10.000	2	0.0	N/A	N/A
6	RC Underpin of Wall 30	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(24.5,20) (17,20) (17,19) (24.5,19)	10.000	1	0.0	N/A	N/A
7	RC Underpin between Wall 27 & 29	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(15.5,15) (15.5,12) (16.5,12) (16.5,15)	10.000	1	0.0	N/A	N/A
8	RC Underpin of Wall 31	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(23.5,19) (24.5,19) (24.5,10) (23.5,10)	10.000	1	0.0	N/A	N/A
9	Pad 6	Rectangular	Horizontal	19.00000	13.00000	113.85000	0.0	2.5000	2.5000	N/A	N/A	1	0.0	0.0	0.0
10	Pad 1 - A	Rectangular	Horizontal	24.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A	N/A	1	0.0	0.0	0.0
11	Pad 2 - A	Rectangular	Horizontal	25.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A	N/A	1	0.0	0.0	0.0
12	Pad 2 - B	Rectangular	Horizontal	29.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A	N/A	1	0.0	0.0	0.0
13	Pad 5 - A	Rectangular	Horizontal	7.00000	-0.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
14	Pad 5 - B	Rectangular	Horizontal	3.00000	-4.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
15	Pad 5 - C	Rectangular	Horizontal	3.00000	-7.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
16	Pad 5 - D	Rectangular	Horizontal	3.00000	-11.50000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
17	Pad 5 - E	Rectangular	Horizontal	7.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
18	Pad 5 - F	Rectangular	Horizontal	10.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
19	Pad 5 - G	Rectangular	Horizontal	16.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A	N/A	1	0.0	0.0	0.0
20	Pad 4 - A	Rectangular	Horizontal	17.00000	-1.00000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	0.0	0.0	0.0
21	Pad 4 - B	Rectangular	Horizontal	17.00000	-4.00000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	0.0	0.0	0.0
22	Pad 4 - C	Rectangular	Horizontal	17.00000	-7.50000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	0.0	0.0	0.0
23	Pad 4 - D	Rectangular	Horizontal	17.00000	-11.50000	112.60000	0.0	3.0000	1.5000	N/A	N/A	1	0.0	0.0	0.0
24	Pad 3 - A	Rectangular	Horizontal	7.00000	-4.00000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	0.0	0.0	0.0
25	Pad 3 - B	Rectangular	Horizontal	7.00000	-7.50000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	0.0	0.0	0.0
26	Pad 3 - C	Rectangular	Horizontal	7.00000	-11.50000	112.60000	0.0	1.7500	1.7500	N/A	N/A	1	0.0	0.0	0.0
27	Pad 1 - B	Rectangular	Horizontal	30.00000	21.50000	113.85000	0.0	1.5000	1.5000	N/A	N/A	1	0.0	0.0	0.0

Load ref.	Name	Shape	Orientation of Plane	X	Centre of load (Global) Y	Z (level)	Angle of local x from	Width x or Radius	Length y	Polygon Coordinates	Rectangle tolerance	Number of rectangles	Load value Normal (local z)	Tangential (local x)	Tangential (local y)
28	Pad 1 - C	Rectangular	Horizontal	30.00000	16.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
29	Pad 1 - D	Rectangular	Horizontal	30.00000	10.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
30	Pad 1 - E	Rectangular	Horizontal	30.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : East Extension					
(Edge 1 optimal)					
1	27.00000	21.50000	-90.000	3.0000	6.0000
2	23.50000	17.50000	-90.000	5.0000	13.000
3	22.75000	13.50000	-90.000	3.0000	14.500
4	24.25000	11.00000	-90.000	2.0000	11.500
Load 2 : East Extension					
(Edge 1 optimal)					
1	27.00000	7.00000	-90.000	6.0000	6.0000
2	27.00000	3.00000	-90.000	2.0000	5.0000
Load 3 : South Extension					
(Edge 1 optimal)					
1	10.50000	-7.75000	-90.000	7.5000	15.000
2	11.50000	-13.25000	-90.000	3.5000	9.0000
3	9.50000	-2.00000	-90.000	4.0000	17.000
Load 4 : Pavilion					
(Edge 1 optimal)					
1	3.53052	-30.88353	30.651	1.0634	7.7207
2	4.05044	-29.67497	30.651	1.0634	9.2700
3	4.57037	-28.46640	30.651	1.0634	10.819
4	5.09029	-27.25784	30.651	1.0634	12.369
5	6.54628	-26.44788	30.651	2.2676	12.278
6	8.93832	-26.03655	30.651	2.2676	10.547
7	11.33037	-25.62521	30.651	2.2676	8.8153
8	14.48617	-24.22666	30.651	4.5882	8.0040
9	15.95946	-22.15034	30.651	0.063725	6.0437
10	14.98649	-20.38345	30.651	0.063725	2.0146
Load 5 : L-Shaped RC Underpin for East Extension					
(Edge 2 optimal)					
1	27.00000	22.50000	-90.000	1.0000	6.0000
2	24.50000	21.00000	-90.000	2.0000	1.0000
Load 6 : RC Underpin of Wall 30					
(Edge 1 optimal)					
1	20.75000	19.50000	-180.00	7.5000	1.0000
Load 7 : RC Underpin between Wall 27 & 29					
(Edge 1 optimal)					
1	16.00000	13.50000	-90.000	3.0000	1.0000
Load 8 : RC Underpin of Wall 31					
(Edge 2 optimal)					
1	24.00000	14.50000	0.0	1.0000	9.0000

Displacement Data

Ref.	Type	Name	Direction of Extrusion	First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	No. of intrvls along Extrusion Depth [m]	Calculate extrusion	Show Detailed results
1	Line	Line 1	N/A	0.00000	0.00000	113.50000	8.00000	0.00000	113.50000	8	N/A	N/A	No	N/A
2	Line	Line 2	N/A	16.00000	0.00000	113.50000	16.00000	5.00000	113.50000	5	N/A	N/A	No	N/A
3	Line	Line 3	N/A	8.00000	0.00000	113.50000	8.00000	5.00000	113.50000	5	N/A	N/A	No	N/A
4	Line	Line 4	N/A	8.00000	5.00000	113.50000	16.00000	5.00000	113.50000	8	N/A	N/A	No	N/A
5	Line	Line 5	N/A	16.00000	5.00000	113.50000	18.50000	6.50000	113.50000	2	N/A	N/A	No	N/A
6	Line	Line 6	N/A	18.50000	6.50000	113.50000	18.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
7	Line	Line 7	N/A	6.50000	12.00000	113.50000	18.50000	12.00000	113.50000	6	N/A	N/A	No	N/A
8	Line	Line 8	N/A	6.50000	6.50000	113.50000	6.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
9	Line	Line 9	N/A	4.00000	9.00000	113.50000	6.50000	9.00000	113.50000	2	N/A	N/A	No	N/A
10	Line	Line 10	N/A	4.00000	6.50000	113.50000	4.00000	9.00000	113.50000	2	N/A	N/A	No	N/A
11	Line	Line 11	N/A	4.00000	6.50000	113.50000	15.50000	6.50000	113.50000	5	N/A	N/A	No	N/A
12	Line	Line 12	N/A	15.50000	6.50000	113.50000	15.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
13	Line	Line 13	N/A	0.00000	8.00000	113.50000	4.00000	8.00000	113.50000	4	N/A	N/A	No	N/A
14	Line	Line 14	N/A	0.00000	0.00000	113.50000	0.00000	8.00000	113.50000	8	N/A	N/A	No	N/A
15	Line	Line 15	N/A	18.50000	6.50000	113.50000	20.00000	5.50000	113.50000	1	N/A	N/A	No	N/A
16	Line	Line 16	N/A	20.00000	5.50000	113.50000	23.00000	5.50000	113.50000	3	N/A	N/A	No	N/A
17	Line	Line 17	N/A	23.00000	5.50000	113.50000	24.00000	6.50000	113.50000	1	N/A	N/A	No	N/A
18	Line	Line 18	N/A	24.00000	6.50000	113.50000	24.00000	10.00000	113.50000	3	N/A	N/A	No	N/A
19	Line	Line 19	N/A	18.50000	10.00000	113.50000	24.00000	10.00000	113.50000	5	N/A	N/A	No	N/A
20	Line	Line 20	N/A	11.00000	12.00000	116.00000	11.00000	15.00000	116.00000	3	N/A	N/A	No	N/A
21	Line	Line 21	N/A	11.00000	15.00000	114.00000	10.00000	16.00000	114.00000	1	N/A	N/A	No	N/A
22	Line	Line 22	N/A	10.00000	16.00000	114.00000	9.00000	16.00000	114.00000	1	N/A	N/A	No	N/A
23	Line	Line 23	N/A	9.00000	16.00000	114.00000	9.00000	17.50000	114.00000	1	N/A	N/A	No	N/A
24	Line	Line 24	N/A	9.00000	17.50000	114.00000	10.00000	17.50000	114.00000	1	N/A	N/A	No	N/A
25	Line	Line 25	N/A	10.00000	17.50000	114.00000	11.00000	18.50000	114.00000	1	N/A	N/A	No	N/A
26	Line	Line 26	N/A	11.00000	18.50000	114.00000	11.00000	20.00000	114.00000	1	N/A	N/A	No	N/A
27	Line	Line 27	N/A	11.00000	20.00000	114.00000	17.00000	20.00000	114.00000	6	N/A	N/A	No	N/A
28	Line	Line 28	N/A	17.00000	15.00000	114.00000	17.00000	20.00000	114.00000	5	N/A	N/A	No	N/A
29	Line	Line 29	N/A	11.00000	15.00000	114.00000	17.00000	15.00000	114.00000	6	N/A	N/A	No	N/A
30	Line	Line 30	N/A	17.00000	20.00000	116.00000	24.00000	20.00000	116.00000	7	N/A	N/A	No	N/A
31	Line	Line 31	N/A	24.00000	10.00000	116.00000	24.00000	20.00000	116.00000	10	N/A	N/A	No	N/A
32	Line	Line 32	N/A	14.00000	22.00000	114.50000	50.00000	26.00000	114.50000	18	N/A	N/A	No	N/A
33	Line	Line 33	N/A	-4.00000	20.00000	114.50000	12.00000	21.75000	114.50000	8	N/A	N/A	No	N/A
34	Line	Line 34	N/A	-14.00000	18.75000	114.50000	-8.00000	19.50000	114.50000	6	N/A	N/A	No	N/A
35	Line	Line 35	N/A	-14.00000	18.00000	116.00000	-9.00000	18.50000	116.00000	5	N/A	N/A	No	N/A
36	Line	Line 36	N/A	-9.00000	18.50000	116.00000	-5.50000	-9.50000	116.00000	14	N/A	N/A	No	N/A
37	Line	Line 37	N/A	-10.50000	-9.99500	116.00000	-5.50000	-9.50000	116.00000	5	N/A	N/A	No	N/A
38	Line	Line 38	N/A	-14.00000	18.00000	116.00000	-10.50000	-9.99500	116.00000	14	N/A	N/A	No	N/A
39	Line	Line 39	N/A	-5.50000	-10.00000	113.00000	5.50000	-49.00000	111.00000	20	N/A	N/A	Yes	No
40	Grid	Grid 1	Global X	-20.00000	-9.99500	117.00000	N/A	40.00000	117.00000	50	19.99500	20	No	N/A
41	Grid	Grid 2	Global X	0.00000	5.00500	117.00000	N/A	40.00000	117.00000	35	30.99500	31	No	N/A
42	Grid	Grid 3	Global X	31.00000	20.00500	117.00000	N/A	40.00000	117.00000	20	19.00000	19	No	N/A
43	Grid	Grid 4	Global X	0.00000	-10.00000	114.00000	N/A	5.00000	114.00000	15	31.00000	31	No	N/A
44	Grid	Grid 5	Global X	30.00000	-10.00000	114.00000	N/A	20.00000	114.00000	30	20.00000	20	No	N/A
45	Grid	Grid 6	Global X	-20.00000	-26.49500	114.00000	N/A	-10.00000	114.00000	16	70.00000	70	Yes	No
46	Grid	Grid 7	Global X	-20.00000	-34.49500	114.00000	N/A	-26.50000	114.00000	8	24.99500	25	Yes	No
47	Grid	Grid 8	Global X	5.00000	-34.50000	112.00000	N/A	-26.50000	112.00000	8	45.00000	45	Yes	No
48	Grid	Grid 9	Global X	-20.00000	-50.00000	112.00000	N/A	-34.50000	112.00000	15	70.00000	70	Yes	No

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Horizontal rigid boundary level: 60.00 [m OD]

The maximum displacement difference between the Boussinesq method (-11.830mm) and the Mindlin method (-8.4664mm) occurs at point X = 4.99500m, Y = -28.49875m, level = 114.00mOD, and is 3.3632mm.

Name	Location X [m]	Location Y [m]	Displacement Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
East Extension	23.81856	15.81773	114.00000	0.034876	113.60	0.0	0.0	0.0
East Extension	27.00000	6.14493	114.00000	0.026080	113.60	0.0	0.0	0.0
South Extension	10.32783	-6.72288	113.00000	-0.20876	112.75	0.0	0.0	0.0
Pavilion	8.88752	-26.39877	110.50000	-12.855	110.25	-59.996	-173.07	-934.54E-6
L-Shaped RC Underpin for East Extension	26.37500	22.12500	113.85000	0.034286	113.37	0.0	0.0	0.0
RC Underpin of	20.75000	19.50000	113.85000	0.035202	113.37	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Displacement Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
Wall 30								
RC Underpin between Wall 27 & 29	16.00000	13.50000	113.85000	0.032238	113.37	0.0	0.0	0.0
RC Underpin of Wall 31	24.00000	14.50000	113.85000	0.034404	113.37	0.0	0.0	0.0
Pad 6	19.00000	13.00000	113.85000	0.032302	113.37	0.0	0.0	0.0
Pad 1 - A	24.00000	4.00000	113.85000	0.015764	113.43	0.0	0.0	0.0
Pad 2 - A	25.00000	2.00000	113.85000	0.0093735	113.43	0.0	0.0	0.0
Pad 2 - B	29.00000	2.00000	113.85000	0.018404	113.43	0.0	0.0	0.0
Pad 5 - A	7.00000	-0.50000	112.60000	-0.046621	112.34	0.0	0.0	0.0
Pad 5 - B	3.00000	-4.00000	112.60000	-0.097619	112.34	0.0	0.0	0.0
Pad 5 - C	3.00000	-7.50000	112.60000	-0.20312	112.34	0.0	0.0	0.0
Pad 5 - D	3.00000	-11.50000	112.60000	-0.43989	112.34	0.0	0.0	0.0
Pad 5 - E	7.00000	-15.00000	112.60000	-1.0999	112.34	0.0	0.0	0.0
Pad 5 - F	10.00000	-15.00000	112.60000	-1.1540	112.34	0.0	0.0	0.0
Pad 5 - G	16.00000	-15.00000	112.60000	-0.90652	112.34	0.0	0.0	0.0
Pad 4 - A	17.00000	-1.00000	112.60000	-0.040864	112.34	0.0	0.0	0.0
Pad 4 - B	17.00000	-4.00000	112.60000	-0.090688	112.34	0.0	0.0	0.0
Pad 4 - C	17.00000	-7.50000	112.60000	-0.18983	112.34	0.0	0.0	0.0
Pad 4 - D	17.00000	-11.50000	112.60000	-0.41103	112.34	0.0	0.0	0.0
Pad 3 - A	7.00000	-4.00000	112.60000	-0.11436	112.34	0.0	0.0	0.0
Pad 3 - B	7.00000	-7.50000	112.60000	-0.23825	112.34	0.0	0.0	0.0
Pad 3 - C	7.00000	-11.50000	112.60000	-0.52876	112.34	0.0	0.0	0.0
Pad 1 - B	30.00000	21.50000	113.85000	0.033991	113.37	0.0	0.0	0.0
Pad 1 - C	30.00000	16.00000	113.85000	0.035091	113.37	0.0	0.0	0.0
Pad 1 - D	30.00000	10.00000	113.85000	0.033227	113.37	0.0	0.0	0.0
Pad 1 - E	30.00000	4.00000	113.85000	0.025235	113.43	0.0	0.0	0.0
Line 39	-5.50000	-10.00000	113.00000	-0.14092	112.75	0.0	0.0	0.0
	-4.95000	-11.95000	112.90000	-0.20911	112.61	0.0	0.0	0.0
	-4.40000	-13.90000	112.80000	-0.30474	112.52	0.0	0.0	0.0
	-3.85000	-15.85000	112.70000	-0.44066	112.43	0.0	0.0	0.0
	-3.30000	-17.80000	112.60000	-0.63599	112.34	0.0	0.0	0.0
	-2.75000	-19.75000	112.50000	-0.91681	112.25	0.0	0.0	0.0
	-2.20000	-21.70000	112.40000	-1.3074	112.16	0.0	0.0	0.0
	-1.65000	-23.65000	112.30000	-1.7968	112.01	0.0	0.0	0.0
	-1.10000	-25.60000	112.20000	-2.3134	111.93	0.0	0.0	0.0
	-0.55000	-27.55000	112.10000	-2.7489	111.84	0.0	0.0	0.0
	0.00000	-29.50000	112.00000	-2.8899	111.75	0.0	0.0	0.0
	0.55000	-31.45000	111.90000	-2.6202	111.66	0.0	0.0	0.0
	1.10000	-33.40000	111.80000	-2.1441	111.50	0.0	0.0	0.0
	1.65000	-35.35000	111.70000	-1.6047	111.35	0.0	0.0	0.0
	2.20000	-37.30000	111.60000	-1.1276	111.30	0.0	0.0	0.0
	2.75000	-39.25000	111.50000	-0.77571	111.25	0.0	0.0	0.0
	3.30000	-41.20000	111.40000	-0.53339	111.20	0.0	0.0	0.0
	3.85000	-43.15000	111.30000	-0.36747	111.15	0.0	0.0	0.0
	4.40000	-45.10000	111.20000	-0.25243	111.10	0.0	0.0	0.0
	4.95000	-47.05000	111.10000	-0.17140	111.05	0.0	0.0	0.0
	5.50000	-49.00000	111.00000	-0.11349	110.92	0.0	0.0	0.0
Grid 6	-20.00000	-26.49500	114.00000	-0.020363	113.75	0.0	0.0	0.0
	-19.00000	-26.49500	114.00000	-0.031389	113.75	0.0	0.0	0.0
	-18.00000	-26.49500	114.00000	-0.044405	113.75	0.0	0.0	0.0
	-17.00000	-26.49500	114.00000	-0.059794	113.75	0.0	0.0	0.0
	-16.00000	-26.49500	114.00000	-0.078032	113.75	0.0	0.0	0.0
	-15.00000	-26.49500	114.00000	-0.099711	113.75	0.0	0.0	0.0
	-14.00000	-26.49500	114.00000	-0.12557	113.75	0.0	0.0	0.0
	-13.00000	-26.49500	114.00000	-0.15657	113.75	0.0	0.0	0.0
	-12.00000	-26.49500	114.00000	-0.19390	113.75	0.0	0.0	0.0
	-11.00000	-26.49500	114.00000	-0.23913	113.75	0.0	0.0	0.0
	-10.00000	-26.49500	114.00000	-0.29433	113.75	0.0	0.0	0.0
	-9.00000	-26.49500	114.00000	-0.36222	113.75	0.0	0.0	0.0
	-8.00000	-26.49500	114.00000	-0.44651	113.75	0.0	0.0	0.0
	-7.00000	-26.49500	114.00000	-0.55227	113.75	0.0	0.0	0.0
	-6.00000	-26.49500	114.00000	-0.68661	113.75	0.0	0.0	0.0
	-5.00000	-26.49500	114.00000	-0.85979	113.75	0.0	0.0	0.0
	-4.00000	-26.49500	114.00000	-1.0870	113.75	0.0	0.0	0.0
	-3.00000	-26.49500	114.00000	-1.3916	113.75	0.0	0.0	0.0
	-2.00000	-26.49500	114.00000	-1.8120	113.75	0.0	0.0	0.0
	-1.00000	-26.49500	114.00000	-2.4164	113.75	0.0	0.0	0.0
	0.00000	-26.49500	114.00000	-3.3438	113.75	0.0	0.0	0.0
	1.00000	-26.49500	114.00000	-4.9869	113.75	0.0	0.0	0.0
	2.00000	-26.49500	114.00000	-8.4044	113.75	0.0	0.0	0.0
	3.00000	-26.49500	114.00000	-10.342	113.75	0.0	0.0	0.0
	4.00000	-26.49500	114.00000	-11.414	113.75	0.0	0.0	0.0
	5.00000	-26.49500	114.00000	-12.080	113.75	0.0	0.0	0.0
	6.00000	-26.49500	114.00000	-12.498	113.75	0.0	0.0	0.0
	7.00000	-26.49500	114.00000	-12.742	113.75	0.0	0.0	0.0
	8.00000	-26.49500	114.00000	-12.852	113.75	0.0	0.0	0.0
	9.00000	-26.49500	114.00000	-12.851	113.75	0.0	0.0	0.0
	10.00000	-26.49500	114.00000	-12.750	113.75	0.0	0.0	0.0
	11.00000	-26.49500	114.00000	-12.549	113.75	0.0	0.0	0.0
	12.00000	-26.49500	114.00000	-12.240	113.75	0.0	0.0	0.0
	13.00000	-26.49500	114.00000	-11.807	113.75	0.0	0.0	0.0
	14.00000	-26.49500	114.00000	-11.224	113.75	0.0	0.0	0.0
	15.00000	-26.49500	114.00000	-10.448	113.75	0.0	0.0	0.0
	16.00000	-26.49500	114.00000	-9.4139	113.75	0.0	0.0	0.0
	17.00000	-26.49500	114.00000	-7.9893	113.75	0.0	0.0	0.0
	18.00000	-26.49500	114.00000	-5.8679	113.75	0.0	0.0	0.0
	19.00000	-26.49500	114.00000	-3.1213	113.75	0.0	0.0	0.0
	20.00000	-26.49500	114.00000	-2.1078	113.75	0.0	0.0	0.0
	21.00000	-26.49500	114.00000	-1.5433	113.75	0.0	0.0	0.0
	22.00000	-26.49500	114.00000	-1.1722	113.75	0.0	0.0	0.0
	23.00000	-26.49500	114.00000	-0.91025	113.75	0.0	0.0	0.0
	24.00000	-26.49500	114.00000	-0.71750	113.75	0.0	0.0	0.0
	25.00000	-26.49500	114.00000	-0.57155	113.75	0.0	0.0	0.0
	26.00000	-26.49500	114.00000	-0.45866	113.75	0.0	0.0	0.0
	27.00000	-26.49500	114.00000	-0.36988	113.75	0.0	0.0	0.0
	28.00000	-26.49500	114.00000	-0.29911	113.75	0.0	0.0	0.0
	29.00000	-26.49500	114.00000	-0.24205	113.75	0.0	0.0	0.0
	30.00000	-26.49500	114.00000	-0.19560	113.75	0.0	0.0	0.0
	31.00000	-26.49500	114.00000	-0.15748	113.75	0.0	0.0	0.0
	32.00000	-26.49500	114.00000	-0.12598	113.75	0.0	0.0	0.0
	33.00000	-26.49500	114.00000	-0.099794	113.75	0.0	0.0	0.0
	34.00000	-26.49500	114.00000	-0.077915	113.75	0.0	0.0	0.0
	35.00000	-26.49500	114.00000	-0.059561	113.75	0.0	0.0	0.0
	36.00000	-26.49500	114.00000	-0.044111	113.75	0.0	0.0	0.0
	37.00000	-26.49500	114.00000	-0.031071	113.75	0.0	0.0	0.0
	38.00000	-26.49500	114.00000	-0.020045	113.75	0.0	0.0	0.0
	39.00000	-26.49500	114.00000	-0.010709	113.75	0.0	0.0	0.0
	40.00000	-26.49500	114.00000	-0.0027992	113.75	0.0	0.0	0.0
	41.00000	-26.49500	114.00000	0.0039010	113.75	0.0	0.0	0.0
	42.00000	-26.49500	114.00000	0.0095719	113.75	0.0	0.0	0.0
	43.00000	-26.49500	114.00000	0.014364	113.75	0.0	0.0	0.0
	44.00000	-26.49500	114.00000	0.018403	113.75	0.0	0.0	0.0
	45.00000	-26.49500	114.00000	0.021795	113.75	0.0	0.0	0.0
	46.00000	-26.49500	114.00000	0.024630	113.75	0.0	0.0	0.0
	47.00000	-26.49500	114.00000	0.026985	113.75	0.0	0.0	0.0
	48.00000	-26.49500	114.00000	0.028925	113.75	0.0	0.0	0.0
	49.00000	-26.49500	114.00000	0.030506	113.75	0.0	0.0	0.0
	50.00000	-26.49500	114.00000	0.031776	113.75	0.0	0.0	0.0
	-20.00000	-25.46406	114.00000	-0.020081	113.75	0.0	0.0	0.0
	-19.00000	-25.46406	114.00000	-0.031047	113.75	0.0	0.0	0.0
	-18.00000	-25.46406	114.00000	-0.043986	113.75	0.0	0.0	0.0
	-17.00000	-25.46406	114.00000	-0.059281	113.75	0.0	0.0	0.0
	-16.00000	-25.46406	114.00000	-0.077402	113.75	0.0	0.0	0.0
	-15.00000	-25.46406	114.00000	-0.098933	113.75	0.0	0.0	0.0
	-14.00000	-25.46406	114.00000	-0.12461	113.75	0.0	0.0	0.0
	-13.00000	-25.46406	114.00000	-0.15536	113.75	0.0	0.0	0.0
	-12.00000	-25.46406	114.00000	-0.19238	113.75	0.0	0.0	0.0
	-11.00000	-25.46406	114.00000	-0.23721	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-10.00000	-25.46406	114.00000	-0.29187	113.75	0.0	0.0	0.0
	-9.00000	-25.46406	114.00000	-0.35906	113.75	0.0	0.0	0.0
	-8.00000	-25.46406	114.00000	-0.44239	113.75	0.0	0.0	0.0
	-7.00000	-25.46406	114.00000	-0.54685	113.75	0.0	0.0	0.0
	-6.00000	-25.46406	114.00000	-0.67940	113.75	0.0	0.0	0.0
	-5.00000	-25.46406	114.00000	-0.85005	113.75	0.0	0.0	0.0
	-4.00000	-25.46406	114.00000	-1.0736	113.75	0.0	0.0	0.0
	-3.00000	-25.46406	114.00000	-1.3728	113.75	0.0	0.0	0.0
	-2.00000	-25.46406	114.00000	-1.7848	113.75	0.0	0.0	0.0
	-1.00000	-25.46406	114.00000	-2.3744	113.75	0.0	0.0	0.0
	0.00000	-25.46406	114.00000	-3.2717	113.75	0.0	0.0	0.0
	1.00000	-25.46406	114.00000	-4.8107	113.75	0.0	0.0	0.0
	2.00000	-25.46406	114.00000	-7.7678	113.75	0.0	0.0	0.0
	3.00000	-25.46406	114.00000	-10.190	113.75	0.0	0.0	0.0
	4.00000	-25.46406	114.00000	-11.272	113.75	0.0	0.0	0.0
	5.00000	-25.46406	114.00000	-11.926	113.75	0.0	0.0	0.0
	6.00000	-25.46406	114.00000	-12.334	113.75	0.0	0.0	0.0
	7.00000	-25.46406	114.00000	-12.577	113.75	0.0	0.0	0.0
	8.00000	-25.46406	114.00000	-12.700	113.75	0.0	0.0	0.0
	9.00000	-25.46406	114.00000	-12.728	113.75	0.0	0.0	0.0
	10.00000	-25.46406	114.00000	-12.673	113.75	0.0	0.0	0.0
	11.00000	-25.46406	114.00000	-12.532	113.75	0.0	0.0	0.0
	12.00000	-25.46406	114.00000	-12.295	113.75	0.0	0.0	0.0
	13.00000	-25.46406	114.00000	-11.939	113.75	0.0	0.0	0.0
	14.00000	-25.46406	114.00000	-11.432	113.75	0.0	0.0	0.0
	15.00000	-25.46406	114.00000	-10.726	113.75	0.0	0.0	0.0
	16.00000	-25.46406	114.00000	-9.7373	113.75	0.0	0.0	0.0
	17.00000	-25.46406	114.00000	-8.2599	113.75	0.0	0.0	0.0
	18.00000	-25.46406	114.00000	-5.3346	113.75	0.0	0.0	0.0
	19.00000	-25.46406	114.00000	-3.1415	113.75	0.0	0.0	0.0
	20.00000	-25.46406	114.00000	-2.1484	113.75	0.0	0.0	0.0
	21.00000	-25.46406	114.00000	-1.5699	113.75	0.0	0.0	0.0
	22.00000	-25.46406	114.00000	-1.1891	113.75	0.0	0.0	0.0
	23.00000	-25.46406	114.00000	-0.92119	113.75	0.0	0.0	0.0
	24.00000	-25.46406	114.00000	-0.72474	113.75	0.0	0.0	0.0
	25.00000	-25.46406	114.00000	-0.57644	113.75	0.0	0.0	0.0
	26.00000	-25.46406	114.00000	-0.46203	113.75	0.0	0.0	0.0
	27.00000	-25.46406	114.00000	-0.37225	113.75	0.0	0.0	0.0
	28.00000	-25.46406	114.00000	-0.30080	113.75	0.0	0.0	0.0
	29.00000	-25.46406	114.00000	-0.24327	113.75	0.0	0.0	0.0
	30.00000	-25.46406	114.00000	-0.19650	113.75	0.0	0.0	0.0
	31.00000	-25.46406	114.00000	-0.15815	113.75	0.0	0.0	0.0
	32.00000	-25.46406	114.00000	-0.12648	113.75	0.0	0.0	0.0
	33.00000	-25.46406	114.00000	-0.10017	113.75	0.0	0.0	0.0
	34.00000	-25.46406	114.00000	-0.078205	113.75	0.0	0.0	0.0
	35.00000	-25.46406	114.00000	-0.059785	113.75	0.0	0.0	0.0
	36.00000	-25.46406	114.00000	-0.044286	113.75	0.0	0.0	0.0
	37.00000	-25.46406	114.00000	-0.031210	113.75	0.0	0.0	0.0
	38.00000	-25.46406	114.00000	-0.020156	113.75	0.0	0.0	0.0
	39.00000	-25.46406	114.00000	-0.010798	113.75	0.0	0.0	0.0
	40.00000	-25.46406	114.00000	-0.0028719	113.75	0.0	0.0	0.0
	41.00000	-25.46406	114.00000	0.0038412	113.75	0.0	0.0	0.0
	42.00000	-25.46406	114.00000	0.0095223	113.75	0.0	0.0	0.0
	43.00000	-25.46406	114.00000	0.014322	113.75	0.0	0.0	0.0
	44.00000	-25.46406	114.00000	0.018368	113.75	0.0	0.0	0.0
	45.00000	-25.46406	114.00000	0.021765	113.75	0.0	0.0	0.0
	46.00000	-25.46406	114.00000	0.024604	113.75	0.0	0.0	0.0
	47.00000	-25.46406	114.00000	0.026963	113.75	0.0	0.0	0.0
	48.00000	-25.46406	114.00000	0.028905	113.75	0.0	0.0	0.0
	49.00000	-25.46406	114.00000	0.030489	113.75	0.0	0.0	0.0
	50.00000	-25.46406	114.00000	0.031761	113.75	0.0	0.0	0.0
	-20.00000	-24.43313	114.00000	-0.019423	113.75	0.0	0.0	0.0
	-19.00000	-24.43313	114.00000	-0.030244	113.75	0.0	0.0	0.0
	-18.00000	-24.43313	114.00000	-0.043005	113.75	0.0	0.0	0.0
	-17.00000	-24.43313	114.00000	-0.058077	113.75	0.0	0.0	0.0
	-16.00000	-24.43313	114.00000	-0.075918	113.75	0.0	0.0	0.0
	-15.00000	-24.43313	114.00000	-0.097095	113.75	0.0	0.0	0.0
	-14.00000	-24.43313	114.00000	-0.12232	113.75	0.0	0.0	0.0
	-13.00000	-24.43313	114.00000	-0.15249	113.75	0.0	0.0	0.0
	-12.00000	-24.43313	114.00000	-0.18876	113.75	0.0	0.0	0.0
	-11.00000	-24.43313	114.00000	-0.23261	113.75	0.0	0.0	0.0
	-10.00000	-24.43313	114.00000	-0.28598	113.75	0.0	0.0	0.0
	-9.00000	-24.43313	114.00000	-0.35142	113.75	0.0	0.0	0.0
	-8.00000	-24.43313	114.00000	-0.43239	113.75	0.0	0.0	0.0
	-7.00000	-24.43313	114.00000	-0.53359	113.75	0.0	0.0	0.0
	-6.00000	-24.43313	114.00000	-0.66157	113.75	0.0	0.0	0.0
	-5.00000	-24.43313	114.00000	-0.82570	113.75	0.0	0.0	0.0
	-4.00000	-24.43313	114.00000	-1.0398	113.75	0.0	0.0	0.0
	-3.00000	-24.43313	114.00000	-1.3248	113.75	0.0	0.0	0.0
	-2.00000	-24.43313	114.00000	-1.7151	113.75	0.0	0.0	0.0
	-1.00000	-24.43313	114.00000	-2.2705	113.75	0.0	0.0	0.0
	0.00000	-24.43313	114.00000	-3.1115	113.75	0.0	0.0	0.0
	1.00000	-24.43313	114.00000	-4.5794	113.75	0.0	0.0	0.0
	2.00000	-24.43313	114.00000	-7.8746	113.75	0.0	0.0	0.0
	3.00000	-24.43313	114.00000	-9.8645	113.75	0.0	0.0	0.0
	4.00000	-24.43313	114.00000	-10.922	113.75	0.0	0.0	0.0
	5.00000	-24.43313	114.00000	-11.546	113.75	0.0	0.0	0.0
	6.00000	-24.43313	114.00000	-11.928	113.75	0.0	0.0	0.0
	7.00000	-24.43313	114.00000	-12.155	113.75	0.0	0.0	0.0
	8.00000	-24.43313	114.00000	-12.275	113.75	0.0	0.0	0.0
	9.00000	-24.43313	114.00000	-12.323	113.75	0.0	0.0	0.0
	10.00000	-24.43313	114.00000	-12.311	113.75	0.0	0.0	0.0
	11.00000	-24.43313	114.00000	-12.231	113.75	0.0	0.0	0.0
	12.00000	-24.43313	114.00000	-12.061	113.75	0.0	0.0	0.0
	13.00000	-24.43313	114.00000	-11.767	113.75	0.0	0.0	0.0
	14.00000	-24.43313	114.00000	-11.299	113.75	0.0	0.0	0.0
	15.00000	-24.43313	114.00000	-10.585	113.75	0.0	0.0	0.0
	16.00000	-24.43313	114.00000	-9.4811	113.75	0.0	0.0	0.0
	17.00000	-24.43313	114.00000	-7.5518	113.75	0.0	0.0	0.0
	18.00000	-24.43313	114.00000	-4.3785	113.75	0.0	0.0	0.0
	19.00000	-24.43313	114.00000	-2.9066	113.75	0.0	0.0	0.0
	20.00000	-24.43313	114.00000	-2.0687	113.75	0.0	0.0	0.0
	21.00000	-24.43313	114.00000	-1.5341	113.75	0.0	0.0	0.0
	22.00000	-24.43313	114.00000	-1.1696	113.75	0.0	0.0	0.0
	23.00000	-24.43313	114.00000	-0.90916	113.75	0.0	0.0	0.0
	24.00000	-24.43313	114.00000	-0.7167	113.75	0.0	0.0	0.0
	25.00000	-24.43313	114.00000	-0.57073	113.75	0.0	0.0	0.0
	26.00000	-24.43313	114.00000	-0.45784	113.75	0.0	0.0	0.0
	27.00000	-24.43313	114.00000	-0.36908	113.75	0.0	0.0	0.0
	28.00000	-24.43313	114.00000	-0.29836	113.75	0.0	0.0	0.0
	29.00000	-24.43313	114.00000	-0.24136	113.75	0.0	0.0	0.0
	30.00000	-24.43313	114.00000	-0.19499	113.75	0.0	0.0	0.0
	31.00000	-24.43313	114.00000	-0.15694	113.75	0.0	0.0	0.0
	32.00000	-24.43313	114.00000	-0.12551	113.75	0.0	0.0	0.0
	33.00000	-24.43313	114.00000	-0.099386	113.75	0.0	0.0	0.0
	34.00000	-24.43313	114.00000	-0.077566	113.75	0.0	0.0	0.0
	35.00000	-24.43313	114.00000	-0.059264	113.75	0.0	0.0	0.0
	36.00000	-24.43313	114.00000	-0.043860	113.75	0.0	0.0	0.0
	37.00000	-24.43313	114.00000	-0.030860	113.75	0.0	0.0	0.0
	38.00000	-24.43313	114.00000	-0.019869	113.75	0.0	0.0	0.0
	39.00000	-24.43313	114.00000	-0.010563	113.75	0.0	0.0	0.0
	40.00000	-24.43313	114.00000	-0.0026793	113.75	0.0	0.0	0.0
	41.00000	-24.43313	114.00000	0.0039986	113.75	0.0	0.0	0.0
	42.00000	-24.43313	114.00000	0.0096505	113.75	0.0	0.0	0.0
	43.00000	-24.43313	114.00000	0.014426	113.75	0.0	0.0	0.0
	44.00000	-24.43313	114.00000	0.018451	113.75	0.0	0.0	0.0
	45.00000	-24.43313	114.00000	0.021832	113.75	0.0	0.0	0.0
	46.00000	-24.43313	114.00000	0.024657	113.75	0.0	0.0	0.0
	47.00000	-24.43313	114.00000	0.027003	113.75	0.0	0.0	0.0
	48.00000	-24.43313	114.00000	0.028936	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	49.00000	-24.43313	114.00000	0.030511	113.75	0.0	0.0	0.0
	50.00000	-24.43313	114.00000	0.031776	113.75	0.0	0.0	0.0
	-20.00000	-23.40219	114.00000	-0.018402	113.75	0.0	0.0	0.0
	-19.00000	-23.40219	114.00000	-0.028999	113.75	0.0	0.0	0.0
	-18.00000	-23.40219	114.00000	-0.041483	113.75	0.0	0.0	0.0
	-17.00000	-23.40219	114.00000	-0.056210	113.75	0.0	0.0	0.0
	-16.00000	-23.40219	114.00000	-0.073619	113.75	0.0	0.0	0.0
	-15.00000	-23.40219	114.00000	-0.094251	113.75	0.0	0.0	0.0
	-14.00000	-23.40219	114.00000	-0.11878	113.75	0.0	0.0	0.0
	-13.00000	-23.40219	114.00000	-0.14807	113.75	0.0	0.0	0.0
	-12.00000	-23.40219	114.00000	-0.18318	113.75	0.0	0.0	0.0
	-11.00000	-23.40219	114.00000	-0.22552	113.75	0.0	0.0	0.0
	-10.00000	-23.40219	114.00000	-0.27689	113.75	0.0	0.0	0.0
	-9.00000	-23.40219	114.00000	-0.33966	113.75	0.0	0.0	0.0
	-8.00000	-23.40219	114.00000	-0.41700	113.75	0.0	0.0	0.0
	-7.00000	-23.40219	114.00000	-0.51319	113.75	0.0	0.0	0.0
	-6.00000	-23.40219	114.00000	-0.63415	113.75	0.0	0.0	0.0
	-5.00000	-23.40219	114.00000	-0.78827	113.75	0.0	0.0	0.0
	-4.00000	-23.40219	114.00000	-0.98773	113.75	0.0	0.0	0.0
	-3.00000	-23.40219	114.00000	-1.2511	113.75	0.0	0.0	0.0
	-2.00000	-23.40219	114.00000	-1.6080	113.75	0.0	0.0	0.0
	-1.00000	-23.40219	114.00000	-2.1111	113.75	0.0	0.0	0.0
	0.00000	-23.40219	114.00000	-2.8664	113.75	0.0	0.0	0.0
	1.00000	-23.40219	114.00000	-4.1429	113.75	0.0	0.0	0.0
	2.00000	-23.40219	114.00000	-6.6008	113.75	0.0	0.0	0.0
	3.00000	-23.40219	114.00000	-9.2731	113.75	0.0	0.0	0.0
	4.00000	-23.40219	114.00000	-10.293	113.75	0.0	0.0	0.0
	5.00000	-23.40219	114.00000	-10.846	113.75	0.0	0.0	0.0
	6.00000	-23.40219	114.00000	-11.177	113.75	0.0	0.0	0.0
	7.00000	-23.40219	114.00000	-11.364	113.75	0.0	0.0	0.0
	8.00000	-23.40219	114.00000	-11.432	113.75	0.0	0.0	0.0
	9.00000	-23.40219	114.00000	-11.497	113.75	0.0	0.0	0.0
	10.00000	-23.40219	114.00000	-11.557	113.75	0.0	0.0	0.0
	11.00000	-23.40219	114.00000	-11.563	113.75	0.0	0.0	0.0
	12.00000	-23.40219	114.00000	-11.494	113.75	0.0	0.0	0.0
	13.00000	-23.40219	114.00000	-11.285	113.75	0.0	0.0	0.0
	14.00000	-23.40219	114.00000	-10.853	113.75	0.0	0.0	0.0
	15.00000	-23.40219	114.00000	-10.080	113.75	0.0	0.0	0.0
	16.00000	-23.40219	114.00000	-8.6912	113.75	0.0	0.0	0.0
	17.00000	-23.40219	114.00000	-5.6492	113.75	0.0	0.0	0.0
	18.00000	-23.40219	114.00000	-3.6773	113.75	0.0	0.0	0.0
	19.00000	-23.40219	114.00000	-2.6031	113.75	0.0	0.0	0.0
	20.00000	-23.40219	114.00000	-1.9173	113.75	0.0	0.0	0.0
	21.00000	-23.40219	114.00000	-1.4501	113.75	0.0	0.0	0.0
	22.00000	-23.40219	114.00000	-1.1187	113.75	0.0	0.0	0.0
	23.00000	-23.40219	114.00000	-0.87623	113.75	0.0	0.0	0.0
	24.00000	-23.40219	114.00000	-0.69429	113.75	0.0	0.0	0.0
	25.00000	-23.40219	114.00000	-0.55494	113.75	0.0	0.0	0.0
	26.00000	-23.40219	114.00000	-0.44637	113.75	0.0	0.0	0.0
	27.00000	-23.40219	114.00000	-0.36057	113.75	0.0	0.0	0.0
	28.00000	-23.40219	114.00000	-0.29191	113.75	0.0	0.0	0.0
	29.00000	-23.40219	114.00000	-0.23641	113.75	0.0	0.0	0.0
	30.00000	-23.40219	114.00000	-0.19113	113.75	0.0	0.0	0.0
	31.00000	-23.40219	114.00000	-0.15391	113.75	0.0	0.0	0.0
	32.00000	-23.40219	114.00000	-0.12310	113.75	0.0	0.0	0.0
	33.00000	-23.40219	114.00000	-0.097459	113.75	0.0	0.0	0.0
	34.00000	-23.40219	114.00000	-0.076015	113.75	0.0	0.0	0.0
	35.00000	-23.40219	114.00000	-0.058009	113.75	0.0	0.0	0.0
	36.00000	-23.40219	114.00000	-0.042840	113.75	0.0	0.0	0.0
	37.00000	-23.40219	114.00000	-0.030030	113.75	0.0	0.0	0.0
	38.00000	-23.40219	114.00000	-0.019190	113.75	0.0	0.0	0.0
	39.00000	-23.40219	114.00000	-0.010008	113.75	0.0	0.0	0.0
	40.00000	-23.40219	114.00000	-0.0022250	113.75	0.0	0.0	0.0
	41.00000	-23.40219	114.00000	0.0043703	113.75	0.0	0.0	0.0
	42.00000	-23.40219	114.00000	0.0099542	113.75	0.0	0.0	0.0
	43.00000	-23.40219	114.00000	0.014674	113.75	0.0	0.0	0.0
	44.00000	-23.40219	114.00000	0.018652	113.75	0.0	0.0	0.0
	45.00000	-23.40219	114.00000	0.021994	113.75	0.0	0.0	0.0
	46.00000	-23.40219	114.00000	0.024787	113.75	0.0	0.0	0.0
	47.00000	-23.40219	114.00000	0.027107	113.75	0.0	0.0	0.0
	48.00000	-23.40219	114.00000	0.029017	113.75	0.0	0.0	0.0
	49.00000	-23.40219	114.00000	0.030573	113.75	0.0	0.0	0.0
	50.00000	-23.40219	114.00000	0.031823	113.75	0.0	0.0	0.0
	-20.00000	-22.37125	114.00000	-0.017041	113.75	0.0	0.0	0.0
	-19.00000	-22.37125	114.00000	-0.027341	113.75	0.0	0.0	0.0
	-18.00000	-22.37125	114.00000	-0.039458	113.75	0.0	0.0	0.0
	-17.00000	-22.37125	114.00000	-0.053728	113.75	0.0	0.0	0.0
	-16.00000	-22.37125	114.00000	-0.070567	113.75	0.0	0.0	0.0
	-15.00000	-22.37125	114.00000	-0.090480	113.75	0.0	0.0	0.0
	-14.00000	-22.37125	114.00000	-0.11410	113.75	0.0	0.0	0.0
	-13.00000	-22.37125	114.00000	-0.14222	113.75	0.0	0.0	0.0
	-12.00000	-22.37125	114.00000	-0.17583	113.75	0.0	0.0	0.0
	-11.00000	-22.37125	114.00000	-0.21620	113.75	0.0	0.0	0.0
	-10.00000	-22.37125	114.00000	-0.26498	113.75	0.0	0.0	0.0
	-9.00000	-22.37125	114.00000	-0.32429	113.75	0.0	0.0	0.0
	-8.00000	-22.37125	114.00000	-0.39695	113.75	0.0	0.0	0.0
	-7.00000	-22.37125	114.00000	-0.48671	113.75	0.0	0.0	0.0
	-6.00000	-22.37125	114.00000	-0.59870	113.75	0.0	0.0	0.0
	-5.00000	-22.37125	114.00000	-0.74006	113.75	0.0	0.0	0.0
	-4.00000	-22.37125	114.00000	-0.92099	113.75	0.0	0.0	0.0
	-3.00000	-22.37125	114.00000	-1.1567	113.75	0.0	0.0	0.0
	-2.00000	-22.37125	114.00000	-1.4711	113.75	0.0	0.0	0.0
	-1.00000	-22.37125	114.00000	-1.9056	113.75	0.0	0.0	0.0
	0.00000	-22.37125	114.00000	-2.5446	113.75	0.0	0.0	0.0
	1.00000	-22.37125	114.00000	-3.6404	113.75	0.0	0.0	0.0
	2.00000	-22.37125	114.00000	-6.4499	113.75	0.0	0.0	0.0
	3.00000	-22.37125	114.00000	-8.2833	113.75	0.0	0.0	0.0
	4.00000	-22.37125	114.00000	-9.2168	113.75	0.0	0.0	0.0
	5.00000	-22.37125	114.00000	-9.5216	113.75	0.0	0.0	0.0
	6.00000	-22.37125	114.00000	-9.7641	113.75	0.0	0.0	0.0
	7.00000	-22.37125	114.00000	-9.9592	113.75	0.0	0.0	0.0
	8.00000	-22.37125	114.00000	-9.5046	113.75	0.0	0.0	0.0
	9.00000	-22.37125	114.00000	-9.7925	113.75	0.0	0.0	0.0
	10.00000	-22.37125	114.00000	-10.101	113.75	0.0	0.0	0.0
	11.00000	-22.37125	114.00000	-10.245	113.75	0.0	0.0	0.0
	12.00000	-22.37125	114.00000	-10.445	113.75	0.0	0.0	0.0
	13.00000	-22.37125	114.00000	-10.428	113.75	0.0	0.0	0.0
	14.00000	-22.37125	114.00000	-10.072	113.75	0.0	0.0	0.0
	15.00000	-22.37125	114.00000	-9.1909	113.75	0.0	0.0	0.0
	16.00000	-22.37125	114.00000	-7.1347	113.75	0.0	0.0	0.0
	17.00000	-22.37125	114.00000	-4.3710	113.75	0.0	0.0	0.0
	18.00000	-22.37125	114.00000	-3.0867	113.75	0.0	0.0	0.0
	19.00000	-22.37125	114.00000	-2.2824	113.75	0.0	0.0	0.0
	20.00000	-22.37125	114.00000	-1.7303	113.75	0.0	0.0	0.0
	21.00000	-22.37125	114.00000	-1.3352	113.75	0.0	0.0	0.0
	22.00000	-22.37125	114.00000	-1.0448	113.75	0.0	0.0	0.0
	23.00000	-22.37125	114.00000	-0.82667	113.75	0.0	0.0	0.0
	24.00000	-22.37125	114.00000	-0.65992	113.75	0.0	0.0	0.0
	25.00000	-22.37125	114.00000	-0.53041	113.75	0.0	0.0	0.0
	26.00000	-22.37125	114.00000	-0.42845	113.75	0.0	0.0	0.0
	27.00000	-22.37125	114.00000	-0.34721	113.75	0.0	0.0	0.0
	28.00000	-22.37125	114.00000	-0.28179	113.75	0.0	0.0	0.0
	29.00000	-22.37125	114.00000	-0.22863	113.75	0.0	0.0	0.0
	30.00000	-22.37125	114.00000	-0.18508	113.75	0.0	0.0	0.0
	31.00000	-22.37125	114.00000	-0.14915	113.75	0.0	0.0	0.0
	32.00000	-22.37125	114.00000	-0.11933	113.75	0.0	0.0	0.0
	33.00000	-22.37125	114.00000	-0.094449	113.75	0.0	0.0	0.0
	34.00000	-22.37125	114.00000	-0.073596	113.75	0.0	0.0	0.0
	35.00000	-22.37125	114.00000	-0.056054	113.75	0.0	0.0	0.0
	36.00000	-22.37125	114.00000	-0.041254	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	37.00000	-22.37125	114.00000	-0.028737	113.75	0.0	0.0	0.0
	38.00000	-22.37125	114.00000	-0.018135	113.75	0.0	0.0	0.0
	39.00000	-22.37125	114.00000	-0.0091447	113.75	0.0	0.0	0.0
	40.00000	-22.37125	114.00000	-0.0015184	113.75	0.0	0.0	0.0
	41.00000	-22.37125	114.00000	0.0049488	113.75	0.0	0.0	0.0
	42.00000	-22.37125	114.00000	0.010427	113.75	0.0	0.0	0.0
	43.00000	-22.37125	114.00000	0.015060	113.75	0.0	0.0	0.0
	44.00000	-22.37125	114.00000	0.018966	113.75	0.0	0.0	0.0
	45.00000	-22.37125	114.00000	0.022248	113.75	0.0	0.0	0.0
	46.00000	-22.37125	114.00000	0.024992	113.75	0.0	0.0	0.0
	47.00000	-22.37125	114.00000	0.027270	113.75	0.0	0.0	0.0
	48.00000	-22.37125	114.00000	0.029146	113.75	0.0	0.0	0.0
	49.00000	-22.37125	114.00000	0.030673	113.75	0.0	0.0	0.0
	50.00000	-22.37125	114.00000	0.031899	113.75	0.0	0.0	0.0
	-20.00000	-21.34031	114.00000	-0.015369	113.75	0.0	0.0	0.0
	-19.00000	-21.34031	114.00000	-0.025306	113.75	0.0	0.0	0.0
	-18.00000	-21.34031	114.00000	-0.036975	113.75	0.0	0.0	0.0
	-17.00000	-21.34031	114.00000	-0.050692	113.75	0.0	0.0	0.0
	-16.00000	-21.34031	114.00000	-0.066839	113.75	0.0	0.0	0.0
	-15.00000	-21.34031	114.00000	-0.085886	113.75	0.0	0.0	0.0
	-14.00000	-21.34031	114.00000	-0.10841	113.75	0.0	0.0	0.0
	-13.00000	-21.34031	114.00000	-0.13513	113.75	0.0	0.0	0.0
	-12.00000	-21.34031	114.00000	-0.16694	113.75	0.0	0.0	0.0
	-11.00000	-21.34031	114.00000	-0.20499	113.75	0.0	0.0	0.0
	-10.00000	-21.34031	114.00000	-0.25070	113.75	0.0	0.0	0.0
	-9.00000	-21.34031	114.00000	-0.30595	113.75	0.0	0.0	0.0
	-8.00000	-21.34031	114.00000	-0.37315	113.75	0.0	0.0	0.0
	-7.00000	-21.34031	114.00000	-0.45547	113.75	0.0	0.0	0.0
	-6.00000	-21.34031	114.00000	-0.55716	113.75	0.0	0.0	0.0
	-5.00000	-21.34031	114.00000	-0.68399	113.75	0.0	0.0	0.0
	-4.00000	-21.34031	114.00000	-0.84394	113.75	0.0	0.0	0.0
	-3.00000	-21.34031	114.00000	-1.0485	113.75	0.0	0.0	0.0
	-2.00000	-21.34031	114.00000	-1.3149	113.75	0.0	0.0	0.0
	-1.00000	-21.34031	114.00000	-1.6709	113.75	0.0	0.0	0.0
	0.00000	-21.34031	114.00000	-2.1665	113.75	0.0	0.0	0.0
	1.00000	-21.34031	114.00000	-2.9076	113.75	0.0	0.0	0.0
	2.00000	-21.34031	114.00000	-4.0664	113.75	0.0	0.0	0.0
	3.00000	-21.34031	114.00000	-5.7355	113.75	0.0	0.0	0.0
	4.00000	-21.34031	114.00000	-7.3136	113.75	0.0	0.0	0.0
	5.00000	-21.34031	114.00000	-6.5569	113.75	0.0	0.0	0.0
	6.00000	-21.34031	114.00000	-6.4701	113.75	0.0	0.0	0.0
	7.00000	-21.34031	114.00000	-7.4983	113.75	0.0	0.0	0.0
	8.00000	-21.34031	114.00000	-6.3251	113.75	0.0	0.0	0.0
	9.00000	-21.34031	114.00000	-6.3285	113.75	0.0	0.0	0.0
	10.00000	-21.34031	114.00000	-7.0342	113.75	0.0	0.0	0.0
	11.00000	-21.34031	114.00000	-6.9892	113.75	0.0	0.0	0.0
	12.00000	-21.34031	114.00000	-8.4014	113.75	0.0	0.0	0.0
	13.00000	-21.34031	114.00000	-8.9839	113.75	0.0	0.0	0.0
	14.00000	-21.34031	114.00000	-8.8663	113.75	0.0	0.0	0.0
	15.00000	-21.34031	114.00000	-7.8212	113.75	0.0	0.0	0.0
	16.00000	-21.34031	114.00000	-4.9738	113.75	0.0	0.0	0.0
	17.00000	-21.34031	114.00000	-3.4563	113.75	0.0	0.0	0.0
	18.00000	-21.34031	114.00000	-2.5715	113.75	0.0	0.0	0.0
	19.00000	-21.34031	114.00000	-1.9678	113.75	0.0	0.0	0.0
	20.00000	-21.34031	114.00000	-1.5304	113.75	0.0	0.0	0.0
	21.00000	-21.34031	114.00000	-1.2042	113.75	0.0	0.0	0.0
	22.00000	-21.34031	114.00000	-0.95647	113.75	0.0	0.0	0.0
	23.00000	-21.34031	114.00000	-0.76554	113.75	0.0	0.0	0.0
	24.00000	-21.34031	114.00000	-0.61656	113.75	0.0	0.0	0.0
	25.00000	-21.34031	114.00000	-0.49899	113.75	0.0	0.0	0.0
	26.00000	-21.34031	114.00000	-0.40524	113.75	0.0	0.0	0.0
	27.00000	-21.34031	114.00000	-0.32978	113.75	0.0	0.0	0.0
	28.00000	-21.34031	114.00000	-0.26851	113.75	0.0	0.0	0.0
	29.00000	-21.34031	114.00000	-0.21839	113.75	0.0	0.0	0.0
	30.00000	-21.34031	114.00000	-0.17709	113.75	0.0	0.0	0.0
	31.00000	-21.34031	114.00000	-0.14286	113.75	0.0	0.0	0.0
	32.00000	-21.34031	114.00000	-0.11433	113.75	0.0	0.0	0.0
	33.00000	-21.34031	114.00000	-0.090451	113.75	0.0	0.0	0.0
	34.00000	-21.34031	114.00000	-0.070378	113.75	0.0	0.0	0.0
	35.00000	-21.34031	114.00000	-0.053451	113.75	0.0	0.0	0.0
	36.00000	-21.34031	114.00000	-0.039140	113.75	0.0	0.0	0.0
	37.00000	-21.34031	114.00000	-0.027015	113.75	0.0	0.0	0.0
	38.00000	-21.34031	114.00000	-0.016727	113.75	0.0	0.0	0.0
	39.00000	-21.34031	114.00000	-0.0079925	113.75	0.0	0.0	0.0
	40.00000	-21.34031	114.00000	-574.46E-6	113.75	0.0	0.0	0.0
	41.00000	-21.34031	114.00000	0.0057222	113.75	0.0	0.0	0.0
	42.00000	-21.34031	114.00000	0.011060	113.75	0.0	0.0	0.0
	43.00000	-21.34031	114.00000	0.015577	113.75	0.0	0.0	0.0
	44.00000	-21.34031	114.00000	0.019388	113.75	0.0	0.0	0.0
	45.00000	-21.34031	114.00000	0.022590	113.75	0.0	0.0	0.0
	46.00000	-21.34031	114.00000	0.025267	113.75	0.0	0.0	0.0
	47.00000	-21.34031	114.00000	0.027490	113.75	0.0	0.0	0.0
	48.00000	-21.34031	114.00000	0.029320	113.75	0.0	0.0	0.0
	49.00000	-21.34031	114.00000	0.030809	113.75	0.0	0.0	0.0
	50.00000	-21.34031	114.00000	0.032002	113.75	0.0	0.0	0.0
	-20.00000	-20.30938	114.00000	-0.013421	113.75	0.0	0.0	0.0
	-19.00000	-20.30938	114.00000	-0.022938	113.75	0.0	0.0	0.0
	-18.00000	-20.30938	114.00000	-0.034092	113.75	0.0	0.0	0.0
	-17.00000	-20.30938	114.00000	-0.047172	113.75	0.0	0.0	0.0
	-16.00000	-20.30938	114.00000	-0.062529	113.75	0.0	0.0	0.0
	-15.00000	-20.30938	114.00000	-0.080588	113.75	0.0	0.0	0.0
	-14.00000	-20.30938	114.00000	-0.10187	113.75	0.0	0.0	0.0
	-13.00000	-20.30938	114.00000	-0.12701	113.75	0.0	0.0	0.0
	-12.00000	-20.30938	114.00000	-0.15681	113.75	0.0	0.0	0.0
	-11.00000	-20.30938	114.00000	-0.19225	113.75	0.0	0.0	0.0
	-10.00000	-20.30938	114.00000	-0.23458	113.75	0.0	0.0	0.0
	-9.00000	-20.30938	114.00000	-0.28537	113.75	0.0	0.0	0.0
	-8.00000	-20.30938	114.00000	-0.34662	113.75	0.0	0.0	0.0
	-7.00000	-20.30938	114.00000	-0.42093	113.75	0.0	0.0	0.0
	-6.00000	-20.30938	114.00000	-0.51164	113.75	0.0	0.0	0.0
	-5.00000	-20.30938	114.00000	-0.62318	113.75	0.0	0.0	0.0
	-4.00000	-20.30938	114.00000	-0.76139	113.75	0.0	0.0	0.0
	-3.00000	-20.30938	114.00000	-0.93423	113.75	0.0	0.0	0.0
	-2.00000	-20.30938	114.00000	-1.1526	113.75	0.0	0.0	0.0
	-1.00000	-20.30938	114.00000	-1.4318	113.75	0.0	0.0	0.0
	0.00000	-20.30938	114.00000	-1.7929	113.75	0.0	0.0	0.0
	1.00000	-20.30938	114.00000	-2.2607	113.75	0.0	0.0	0.0
	2.00000	-20.30938	114.00000	-2.8423	113.75	0.0	0.0	0.0
	3.00000	-20.30938	114.00000	-3.4990	113.75	0.0	0.0	0.0
	4.00000	-20.30938	114.00000	-4.1104	113.75	0.0	0.0	0.0
	5.00000	-20.30938	114.00000	-4.2301	113.75	0.0	0.0	0.0
	6.00000	-20.30938	114.00000	-4.2912	113.75	0.0	0.0	0.0
	7.00000	-20.30938	114.00000	-4.4219	113.75	0.0	0.0	0.0
	8.00000	-20.30938	114.00000	-4.3941	113.75	0.0	0.0	0.0
	9.00000	-20.30938	114.00000	-4.4199	113.75	0.0	0.0	0.0
	10.00000	-20.30938	114.00000	-4.5412	113.75	0.0	0.0	0.0
	11.00000	-20.30938	114.00000	-4.7263	113.75	0.0	0.0	0.0
	12.00000	-20.30938	114.00000	-5.1259	113.75	0.0	0.0	0.0
	13.00000	-20.30938	114.00000	-5.9444	113.75	0.0	0.0	0.0
	14.00000	-20.30938	114.00000	-6.9160	113.75	0.0	0.0	0.0
	15.00000	-20.30938	114.00000	-5.5253	113.75	0.0	0.0	0.0
	16.00000	-20.30938	114.00000	-3.6375	113.75	0.0	0.0	0.0
	17.00000	-20.30938	114.00000	-2.7277	113.75	0.0	0.0	0.0
	18.00000	-20.30938	114.00000	-2.1191	113.75	0.0	0.0	0.0
	19.00000	-20.30938	114.00000	-1.6722	113.75	0.0	0.0	0.0
	20.00000	-20.30938	114.00000	-1.3319	113.75	0.0	0.0	0.0
	21.00000	-20.30938	114.00000	-1.0680	113.75	0.0	0.0	0.0
	22.00000	-20.30938	114.00000	-0.86119	113.75	0.0	0.0	0.0
	23.00000	-20.30938	114.00000	-0.69765	113.75	0.0	0.0	0.0
	24.00000	-20.30938	114.00000	-0.56734	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	25.00000	-20.30938	114.00000	-0.46271	113.75	0.0	0.0	0.0
	26.00000	-20.30938	114.00000	-0.37810	113.75	0.0	0.0	0.0
	27.00000	-20.30938	114.00000	-0.30919	113.75	0.0	0.0	0.0
	28.00000	-20.30938	114.00000	-0.25270	113.75	0.0	0.0	0.0
	29.00000	-20.30938	114.00000	-0.20611	113.75	0.0	0.0	0.0
	30.00000	-20.30938	114.00000	-0.16746	113.75	0.0	0.0	0.0
	31.00000	-20.30938	114.00000	-0.13524	113.75	0.0	0.0	0.0
	32.00000	-20.30938	114.00000	-0.10827	113.75	0.0	0.0	0.0
	33.00000	-20.30938	114.00000	-0.085585	113.75	0.0	0.0	0.0
	34.00000	-20.30938	114.00000	-0.066453	113.75	0.0	0.0	0.0
	35.00000	-20.30938	114.00000	-0.050270	113.75	0.0	0.0	0.0
	36.00000	-20.30938	114.00000	-0.036551	113.75	0.0	0.0	0.0
	37.00000	-20.30938	114.00000	-0.024902	113.75	0.0	0.0	0.0
	38.00000	-20.30938	114.00000	-0.014999	113.75	0.0	0.0	0.0
	39.00000	-20.30938	114.00000	-0.0065760	113.75	0.0	0.0	0.0
	40.00000	-20.30938	114.00000	587.34E-6	113.75	0.0	0.0	0.0
	41.00000	-20.30938	114.00000	0.0066751	113.75	0.0	0.0	0.0
	42.00000	-20.30938	114.00000	0.011841	113.75	0.0	0.0	0.0
	43.00000	-20.30938	114.00000	0.016216	113.75	0.0	0.0	0.0
	44.00000	-20.30938	114.00000	0.019909	113.75	0.0	0.0	0.0
	45.00000	-20.30938	114.00000	0.023013	113.75	0.0	0.0	0.0
	46.00000	-20.30938	114.00000	0.025609	113.75	0.0	0.0	0.0
	47.00000	-20.30938	114.00000	0.027764	113.75	0.0	0.0	0.0
	48.00000	-20.30938	114.00000	0.029537	113.75	0.0	0.0	0.0
	49.00000	-20.30938	114.00000	0.030978	113.75	0.0	0.0	0.0
	50.00000	-20.30938	114.00000	0.032132	113.75	0.0	0.0	0.0
	-20.00000	-19.27844	114.00000	-0.011233	113.75	0.0	0.0	0.0
	-19.00000	-19.27844	114.00000	-0.020285	113.75	0.0	0.0	0.0
	-18.00000	-19.27844	114.00000	-0.030869	113.75	0.0	0.0	0.0
	-17.00000	-19.27844	114.00000	-0.043248	113.75	0.0	0.0	0.0
	-16.00000	-19.27844	114.00000	-0.057738	113.75	0.0	0.0	0.0
	-15.00000	-19.27844	114.00000	-0.074717	113.75	0.0	0.0	0.0
	-14.00000	-19.27844	114.00000	-0.094647	113.75	0.0	0.0	0.0
	-13.00000	-19.27844	114.00000	-0.11809	113.75	0.0	0.0	0.0
	-12.00000	-19.27844	114.00000	-0.14572	113.75	0.0	0.0	0.0
	-11.00000	-19.27844	114.00000	-0.17839	113.75	0.0	0.0	0.0
	-10.00000	-19.27844	114.00000	-0.21715	113.75	0.0	0.0	0.0
	-9.00000	-19.27844	114.00000	-0.26327	113.75	0.0	0.0	0.0
	-8.00000	-19.27844	114.00000	-0.31839	113.75	0.0	0.0	0.0
	-7.00000	-19.27844	114.00000	-0.38452	113.75	0.0	0.0	0.0
	-6.00000	-19.27844	114.00000	-0.46420	113.75	0.0	0.0	0.0
	-5.00000	-19.27844	114.00000	-0.56063	113.75	0.0	0.0	0.0
	-4.00000	-19.27844	114.00000	-0.67784	113.75	0.0	0.0	0.0
	-3.00000	-19.27844	114.00000	-0.82085	113.75	0.0	0.0	0.0
	-2.00000	-19.27844	114.00000	-0.99577	113.75	0.0	0.0	0.0
	-1.00000	-19.27844	114.00000	-1.2097	113.75	0.0	0.0	0.0
	0.00000	-19.27844	114.00000	-1.4692	113.75	0.0	0.0	0.0
	1.00000	-19.27844	114.00000	-1.7765	113.75	0.0	0.0	0.0
	2.00000	-19.27844	114.00000	-2.1209	113.75	0.0	0.0	0.0
	3.00000	-19.27844	114.00000	-2.4699	113.75	0.0	0.0	0.0
	4.00000	-19.27844	114.00000	-2.7651	113.75	0.0	0.0	0.0
	5.00000	-19.27844	114.00000	-2.9548	113.75	0.0	0.0	0.0
	6.00000	-19.27844	114.00000	-3.0757	113.75	0.0	0.0	0.0
	7.00000	-19.27844	114.00000	-3.1633	113.75	0.0	0.0	0.0
	8.00000	-19.27844	114.00000	-3.2174	113.75	0.0	0.0	0.0
	9.00000	-19.27844	114.00000	-3.2661	113.75	0.0	0.0	0.0
	10.00000	-19.27844	114.00000	-3.3310	113.75	0.0	0.0	0.0
	11.00000	-19.27844	114.00000	-3.4190	113.75	0.0	0.0	0.0
	12.00000	-19.27844	114.00000	-3.5411	113.75	0.0	0.0	0.0
	13.00000	-19.27844	114.00000	-3.6876	113.75	0.0	0.0	0.0
	14.00000	-19.27844	114.00000	-3.7717	113.75	0.0	0.0	0.0
	15.00000	-19.27844	114.00000	-3.3282	113.75	0.0	0.0	0.0
	16.00000	-19.27844	114.00000	-2.6577	113.75	0.0	0.0	0.0
	17.00000	-19.27844	114.00000	-2.1369	113.75	0.0	0.0	0.0
	18.00000	-19.27844	114.00000	-1.7291	113.75	0.0	0.0	0.0
	19.00000	-19.27844	114.00000	-1.4046	113.75	0.0	0.0	0.0
	20.00000	-19.27844	114.00000	-1.1443	113.75	0.0	0.0	0.0
	21.00000	-19.27844	114.00000	-0.93447	113.75	0.0	0.0	0.0
	22.00000	-19.27844	114.00000	-0.76479	113.75	0.0	0.0	0.0
	23.00000	-19.27844	114.00000	-0.62715	113.75	0.0	0.0	0.0
	24.00000	-19.27844	114.00000	-0.51511	113.75	0.0	0.0	0.0
	25.00000	-19.27844	114.00000	-0.42354	113.75	0.0	0.0	0.0
	26.00000	-19.27844	114.00000	-0.34837	113.75	0.0	0.0	0.0
	27.00000	-19.27844	114.00000	-0.28638	113.75	0.0	0.0	0.0
	28.00000	-19.27844	114.00000	-0.23502	113.75	0.0	0.0	0.0
	29.00000	-19.27844	114.00000	-0.19227	113.75	0.0	0.0	0.0
	30.00000	-19.27844	114.00000	-0.15654	113.75	0.0	0.0	0.0
	31.00000	-19.27844	114.00000	-0.12656	113.75	0.0	0.0	0.0
	32.00000	-19.27844	114.00000	-0.10132	113.75	0.0	0.0	0.0
	33.00000	-19.27844	114.00000	-0.079990	113.75	0.0	0.0	0.0
	34.00000	-19.27844	114.00000	-0.061926	113.75	0.0	0.0	0.0
	35.00000	-19.27844	114.00000	-0.046591	113.75	0.0	0.0	0.0
	36.00000	-19.27844	114.00000	-0.033551	113.75	0.0	0.0	0.0
	37.00000	-19.27844	114.00000	-0.022448	113.75	0.0	0.0	0.0
	38.00000	-19.27844	114.00000	-0.012987	113.75	0.0	0.0	0.0
	39.00000	-19.27844	114.00000	-0.0049248	113.75	0.0	0.0	0.0
	40.00000	-19.27844	114.00000	0.0019435	113.75	0.0	0.0	0.0
	41.00000	-19.27844	114.00000	0.0077887	113.75	0.0	0.0	0.0
	42.00000	-19.27844	114.00000	0.012755	113.75	0.0	0.0	0.0
	43.00000	-19.27844	114.00000	0.016964	113.75	0.0	0.0	0.0
	44.00000	-19.27844	114.00000	0.020519	113.75	0.0	0.0	0.0
	45.00000	-19.27844	114.00000	0.023509	113.75	0.0	0.0	0.0
	46.00000	-19.27844	114.00000	0.026010	113.75	0.0	0.0	0.0
	47.00000	-19.27844	114.00000	0.028085	113.75	0.0	0.0	0.0
	48.00000	-19.27844	114.00000	0.029791	113.75	0.0	0.0	0.0
	49.00000	-19.27844	114.00000	0.031177	113.75	0.0	0.0	0.0
	50.00000	-19.27844	114.00000	0.032284	113.75	0.0	0.0	0.0
	-20.00000	-18.24750	114.00000	-0.0088490	113.75	0.0	0.0	0.0
	-19.00000	-18.24750	114.00000	-0.017399	113.75	0.0	0.0	0.0
	-18.00000	-18.24750	114.00000	-0.027372	113.75	0.0	0.0	0.0
	-17.00000	-18.24750	114.00000	-0.039002	113.75	0.0	0.0	0.0
	-16.00000	-18.24750	114.00000	-0.052570	113.75	0.0	0.0	0.0
	-15.00000	-18.24750	114.00000	-0.068409	113.75	0.0	0.0	0.0
	-14.00000	-18.24750	114.00000	-0.086920	113.75	0.0	0.0	0.0
	-13.00000	-18.24750	114.00000	-0.10858	113.75	0.0	0.0	0.0
	-12.00000	-18.24750	114.00000	-0.13398	113.75	0.0	0.0	0.0
	-11.00000	-18.24750	114.00000	-0.16381	113.75	0.0	0.0	0.0
	-10.00000	-18.24750	114.00000	-0.19893	113.75	0.0	0.0	0.0
	-9.00000	-18.24750	114.00000	-0.24037	113.75	0.0	0.0	0.0
	-8.00000	-18.24750	114.00000	-0.28940	113.75	0.0	0.0	0.0
	-7.00000	-18.24750	114.00000	-0.34754	113.75	0.0	0.0	0.0
	-6.00000	-18.24750	114.00000	-0.41664	113.75	0.0	0.0	0.0
	-5.00000	-18.24750	114.00000	-0.49890	113.75	0.0	0.0	0.0
	-4.00000	-18.24750	114.00000	-0.59691	113.75	0.0	0.0	0.0
	-3.00000	-18.24750	114.00000	-0.71359	113.75	0.0	0.0	0.0
	-2.00000	-18.24750	114.00000	-0.85199	113.75	0.0	0.0	0.0
	-1.00000	-18.24750	114.00000	-1.0147	113.75	0.0	0.0	0.0
	0.00000	-18.24750	114.00000	-1.2028	113.75	0.0	0.0	0.0
	1.00000	-18.24750	114.00000	-1.4132	113.75	0.0	0.0	0.0
	2.00000	-18.24750	114.00000	-1.6363	113.75	0.0	0.0	0.0
	3.00000	-18.24750	114.00000	-1.8542	113.75	0.0	0.0	0.0
	4.00000	-18.24750	114.00000	-2.0445	113.75	0.0	0.0	0.0
	5.00000	-18.24750	114.00000	-2.1924	113.75	0.0	0.0	0.0
	6.00000	-18.24750	114.00000	-2.3010	113.75	0.0	0.0	0.0
	7.00000	-18.24750	114.00000	-2.3798	113.75	0.0	0.0	0.0
	8.00000	-18.24750	114.00000	-2.4366	113.75	0.0	0.0	0.0
	9.00000	-18.24750	114.00000	-2.4807	113.75	0.0	0.0	0.0
	10.00000	-18.24750	114.00000	-2.5198	113.75	0.0	0.0	0.0
	11.00000	-18.24750	114.00000	-2.5554	113.75	0.0	0.0	0.0
	12.00000	-18.24750	114.00000	-2.5820	113.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	-18.24750	114.00000	-2.5777	113.75	0.0	0.0	0.0
	14.00000	-18.24750	114.00000	-2.4945	113.75	0.0	0.0	0.0
	15.00000	-18.24750	114.00000	-2.2794	113.75	0.0	0.0	0.0
	16.00000	-18.24750	114.00000	-1.9774	113.75	0.0	0.0	0.0
	17.00000	-18.24750	114.00000	-1.6742	113.75	0.0	0.0	0.0
	18.00000	-18.24750	114.00000	-1.4031	113.75	0.0	0.0	0.0
	19.00000	-18.24750	114.00000	-1.1703	113.75	0.0	0.0	0.0
	20.00000	-18.24750	114.00000	-0.97364	113.75	0.0	0.0	0.0
	21.00000	-18.24750	114.00000	-0.80889	113.75	0.0	0.0	0.0
	22.00000	-18.24750	114.00000	-0.67154	113.75	0.0	0.0	0.0
	23.00000	-18.24750	114.00000	-0.55728	113.75	0.0	0.0	0.0
	24.00000	-18.24750	114.00000	-0.46228	113.75	0.0	0.0	0.0
	25.00000	-18.24750	114.00000	-0.38322	113.75	0.0	0.0	0.0
	26.00000	-18.24750	114.00000	-0.31732	113.75	0.0	0.0	0.0
	27.00000	-18.24750	114.00000	-0.26226	113.75	0.0	0.0	0.0
	28.00000	-18.24750	114.00000	-0.21613	113.75	0.0	0.0	0.0
	29.00000	-18.24750	114.00000	-0.17736	113.75	0.0	0.0	0.0
	30.00000	-18.24750	114.00000	-0.14469	113.75	0.0	0.0	0.0
	31.00000	-18.24750	114.00000	-0.11708	113.75	0.0	0.0	0.0
	32.00000	-18.24750	114.00000	-0.093686	113.75	0.0	0.0	0.0
	33.00000	-18.24750	114.00000	-0.073818	113.75	0.0	0.0	0.0
	34.00000	-18.24750	114.00000	-0.056912	113.75	0.0	0.0	0.0
	35.00000	-18.24750	114.00000	-0.042502	113.75	0.0	0.0	0.0
	36.00000	-18.24750	114.00000	-0.030206	113.75	0.0	0.0	0.0
	37.00000	-18.24750	114.00000	-0.019705	113.75	0.0	0.0	0.0
	38.00000	-18.24750	114.00000	-0.010734	113.75	0.0	0.0	0.0
	39.00000	-18.24750	114.00000	-0.0030723	113.75	0.0	0.0	0.0
	40.00000	-18.24750	114.00000	0.0034675	113.75	0.0	0.0	0.0
	41.00000	-18.24750	114.00000	0.0090420	113.75	0.0	0.0	0.0
	42.00000	-18.24750	114.00000	0.013784	113.75	0.0	0.0	0.0
	43.00000	-18.24750	114.00000	0.017808	113.75	0.0	0.0	0.0
	44.00000	-18.24750	114.00000	0.021208	113.75	0.0	0.0	0.0
	45.00000	-18.24750	114.00000	0.024070	113.75	0.0	0.0	0.0
	46.00000	-18.24750	114.00000	0.026462	113.75	0.0	0.0	0.0
	47.00000	-18.24750	114.00000	0.028448	113.75	0.0	0.0	0.0
	48.00000	-18.24750	114.00000	0.030079	113.75	0.0	0.0	0.0
	49.00000	-18.24750	114.00000	0.031401	113.75	0.0	0.0	0.0
	50.00000	-18.24750	114.00000	0.032455	113.75	0.0	0.0	0.0
	-20.00000	-17.21656	114.00000	-0.0063103	113.75	0.0	0.0	0.0
	-19.00000	-17.21656	114.00000	-0.014334	113.75	0.0	0.0	0.0
	-18.00000	-17.21656	114.00000	-0.023667	113.75	0.0	0.0	0.0
	-17.00000	-17.21656	114.00000	-0.034518	113.75	0.0	0.0	0.0
	-16.00000	-17.21656	114.00000	-0.047132	113.75	0.0	0.0	0.0
	-15.00000	-17.21656	114.00000	-0.061798	113.75	0.0	0.0	0.0
	-14.00000	-17.21656	114.00000	-0.078858	113.75	0.0	0.0	0.0
	-13.00000	-17.21656	114.00000	-0.098720	113.75	0.0	0.0	0.0
	-12.00000	-17.21656	114.00000	-0.12186	113.75	0.0	0.0	0.0
	-11.00000	-17.21656	114.00000	-0.14887	113.75	0.0	0.0	0.0
	-10.00000	-17.21656	114.00000	-0.18041	113.75	0.0	0.0	0.0
	-9.00000	-17.21656	114.00000	-0.21730	113.75	0.0	0.0	0.0
	-8.00000	-17.21656	114.00000	-0.26049	113.75	0.0	0.0	0.0
	-7.00000	-17.21656	114.00000	-0.31109	113.75	0.0	0.0	0.0
	-6.00000	-17.21656	114.00000	-0.37040	113.75	0.0	0.0	0.0
	-5.00000	-17.21656	114.00000	-0.43987	113.75	0.0	0.0	0.0
	-4.00000	-17.21656	114.00000	-0.52105	113.75	0.0	0.0	0.0
	-3.00000	-17.21656	114.00000	-0.61550	113.75	0.0	0.0	0.0
	-2.00000	-17.21656	114.00000	-0.72452	113.75	0.0	0.0	0.0
	-1.00000	-17.21656	114.00000	-0.84867	113.75	0.0	0.0	0.0
	0.00000	-17.21656	114.00000	-0.98704	113.75	0.0	0.0	0.0
	1.00000	-17.21656	114.00000	-1.1363	113.75	0.0	0.0	0.0
	2.00000	-17.21656	114.00000	-1.2898	113.75	0.0	0.0	0.0
	3.00000	-17.21656	114.00000	-1.4381	113.75	0.0	0.0	0.0
	4.00000	-17.21656	114.00000	-1.5709	113.75	0.0	0.0	0.0
	5.00000	-17.21656	114.00000	-1.6814	113.75	0.0	0.0	0.0
	6.00000	-17.21656	114.00000	-1.7684	113.75	0.0	0.0	0.0
	7.00000	-17.21656	114.00000	-1.8343	113.75	0.0	0.0	0.0
	8.00000	-17.21656	114.00000	-1.8827	113.75	0.0	0.0	0.0
	9.00000	-17.21656	114.00000	-1.9173	113.75	0.0	0.0	0.0
	10.00000	-17.21656	114.00000	-1.9405	113.75	0.0	0.0	0.0
	11.00000	-17.21656	114.00000	-1.9514	113.75	0.0	0.0	0.0
	12.00000	-17.21656	114.00000	-1.9443	113.75	0.0	0.0	0.0
	13.00000	-17.21656	114.00000	-1.9075	113.75	0.0	0.0	0.0
	14.00000	-17.21656	114.00000	-1.8250	113.75	0.0	0.0	0.0
	15.00000	-17.21656	114.00000	-1.6884	113.75	0.0	0.0	0.0
	16.00000	-17.21656	114.00000	-1.5117	113.75	0.0	0.0	0.0
	17.00000	-17.21656	114.00000	-1.3217	113.75	0.0	0.0	0.0
	18.00000	-17.21656	114.00000	-1.1381	113.75	0.0	0.0	0.0
	19.00000	-17.21656	114.00000	-0.97077	113.75	0.0	0.0	0.0
	20.00000	-17.21656	114.00000	-0.82284	113.75	0.0	0.0	0.0
	21.00000	-17.21656	114.00000	-0.69445	113.75	0.0	0.0	0.0
	22.00000	-17.21656	114.00000	-0.58427	113.75	0.0	0.0	0.0
	23.00000	-17.21656	114.00000	-0.49037	113.75	0.0	0.0	0.0
	24.00000	-17.21656	114.00000	-0.41067	113.75	0.0	0.0	0.0
	25.00000	-17.21656	114.00000	-0.34316	113.75	0.0	0.0	0.0
	26.00000	-17.21656	114.00000	-0.28601	113.75	0.0	0.0	0.0
	27.00000	-17.21656	114.00000	-0.23763	113.75	0.0	0.0	0.0
	28.00000	-17.21656	114.00000	-0.19663	113.75	0.0	0.0	0.0
	29.00000	-17.21656	114.00000	-0.16183	113.75	0.0	0.0	0.0
	30.00000	-17.21656	114.00000	-0.13224	113.75	0.0	0.0	0.0
	31.00000	-17.21656	114.00000	-0.10705	113.75	0.0	0.0	0.0
	32.00000	-17.21656	114.00000	-0.085570	113.75	0.0	0.0	0.0
	33.00000	-17.21656	114.00000	-0.067220	113.75	0.0	0.0	0.0
	34.00000	-17.21656	114.00000	-0.051528	113.75	0.0	0.0	0.0
	35.00000	-17.21656	114.00000	-0.038096	113.75	0.0	0.0	0.0
	36.00000	-17.21656	114.00000	-0.026590	113.75	0.0	0.0	0.0
	37.00000	-17.21656	114.00000	-0.016731	113.75	0.0	0.0	0.0
	38.00000	-17.21656	114.00000	-0.0082855	113.75	0.0	0.0	0.0
	39.00000	-17.21656	114.00000	-0.0010541	113.75	0.0	0.0	0.0
	40.00000	-17.21656	114.00000	0.0051308	113.75	0.0	0.0	0.0
	41.00000	-17.21656	114.00000	0.010412	113.75	0.0	0.0	0.0
	42.00000	-17.21656	114.00000	0.014911	113.75	0.0	0.0	0.0
	43.00000	-17.21656	114.00000	0.018732	113.75	0.0	0.0	0.0
	44.00000	-17.21656	114.00000	0.021964	113.75	0.0	0.0	0.0
	45.00000	-17.21656	114.00000	0.024684	113.75	0.0	0.0	0.0
	46.00000	-17.21656	114.00000	0.026959	113.75	0.0	0.0	0.0
	47.00000	-17.21656	114.00000	0.028846	113.75	0.0	0.0	0.0
	48.00000	-17.21656	114.00000	0.030394	113.75	0.0	0.0	0.0
	49.00000	-17.21656	114.00000	0.031647	113.75	0.0	0.0	0.0
	50.00000	-17.21656	114.00000	0.032643	113.75	0.0	0.0	0.0
	-20.00000	-16.18563	114.00000	-0.0036596	113.75	0.0	0.0	0.0
	-19.00000	-16.18563	114.00000	-0.011141	113.75	0.0	0.0	0.0
	-18.00000	-16.18563	114.00000	-0.019820	113.75	0.0	0.0	0.0
	-17.00000	-16.18563	114.00000	-0.029877	113.75	0.0	0.0	0.0
	-16.00000	-16.18563	114.00000	-0.041524	113.75	0.0	0.0	0.0
	-15.00000	-16.18563	114.00000	-0.055010	113.75	0.0	0.0	0.0
	-14.00000	-16.18563	114.00000	-0.070622	113.75	0.0	0.0	0.0
	-13.00000	-16.18563	114.00000	-0.088698	113.75	0.0	0.0	0.0
	-12.00000	-16.18563	114.00000	-0.10963	113.75	0.0	0.0	0.0
	-11.00000	-16.18563	114.00000	-0.13389	113.75	0.0	0.0	0.0
	-10.00000	-16.18563	114.00000	-0.16199	113.75	0.0	0.0	0.0
	-9.00000	-16.18563	114.00000	-0.19456	113.75	0.0	0.0	0.0
	-8.00000	-16.18563	114.00000	-0.23230	113.75	0.0	0.0	0.0
	-7.00000	-16.18563	114.00000	-0.27600	113.75	0.0	0.0	0.0
	-6.00000	-16.18563	114.00000	-0.32653	113.75	0.0	0.0	0.0
	-5.00000	-16.18563	114.00000	-0.38478	113.75	0.0	0.0	0.0
	-4.00000	-16.18563	114.00000	-0.45164	113.75	0.0	0.0	0.0
	-3.00000	-16.18563	114.00000	-0.52784	113.75	0.0	0.0	0.0
	-2.00000	-16.18563	114.00000	-0.61376	113.75	0.0	0.0	0.0
	-1.00000	-16.18563	114.00000	-0.70914	113.75	0.0	0.0	0.0
	0.00000	-16.18563	114.00000	-0.81266	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	1.00000	-16.18563	114.00000	-0.92160	113.75	0.0	0.0	0.0
	2.00000	-16.18563	114.00000	-1.0317	113.75	0.0	0.0	0.0
	3.00000	-16.18563	114.00000	-1.1375	113.75	0.0	0.0	0.0
	4.00000	-16.18563	114.00000	-1.2338	113.75	0.0	0.0	0.0
	5.00000	-16.18563	114.00000	-1.3165	113.75	0.0	0.0	0.0
	6.00000	-16.18563	114.00000	-1.3840	113.75	0.0	0.0	0.0
	7.00000	-16.18563	114.00000	-1.4364	113.75	0.0	0.0	0.0
	8.00000	-16.18563	114.00000	-1.4750	113.75	0.0	0.0	0.0
	9.00000	-16.18563	114.00000	-1.5009	113.75	0.0	0.0	0.0
	10.00000	-16.18563	114.00000	-1.5145	113.75	0.0	0.0	0.0
	11.00000	-16.18563	114.00000	-1.5145	113.75	0.0	0.0	0.0
	12.00000	-16.18563	114.00000	-1.4977	113.75	0.0	0.0	0.0
	13.00000	-16.18563	114.00000	-1.4586	113.75	0.0	0.0	0.0
	14.00000	-16.18563	114.00000	-1.3922	113.75	0.0	0.0	0.0
	15.00000	-16.18563	114.00000	-1.2977	113.75	0.0	0.0	0.0
	16.00000	-16.18563	114.00000	-1.1812	113.75	0.0	0.0	0.0
	17.00000	-16.18563	114.00000	-1.0538	113.75	0.0	0.0	0.0
	18.00000	-16.18563	114.00000	-0.92564	113.75	0.0	0.0	0.0
	19.00000	-16.18563	114.00000	-0.80391	113.75	0.0	0.0	0.0
	20.00000	-16.18563	114.00000	-0.69236	113.75	0.0	0.0	0.0
	21.00000	-16.18563	114.00000	-0.59254	113.75	0.0	0.0	0.0
	22.00000	-16.18563	114.00000	-0.50459	113.75	0.0	0.0	0.0
	23.00000	-16.18563	114.00000	-0.42794	113.75	0.0	0.0	0.0
	24.00000	-16.18563	114.00000	-0.36158	113.75	0.0	0.0	0.0
	25.00000	-16.18563	114.00000	-0.30442	113.75	0.0	0.0	0.0
	26.00000	-16.18563	114.00000	-0.25530	113.75	0.0	0.0	0.0
	27.00000	-16.18563	114.00000	-0.21316	113.75	0.0	0.0	0.0
	28.00000	-16.18563	114.00000	-0.17704	113.75	0.0	0.0	0.0
	29.00000	-16.18563	114.00000	-0.14607	113.75	0.0	0.0	0.0
	30.00000	-16.18563	114.00000	-0.11952	113.75	0.0	0.0	0.0
	31.00000	-16.18563	114.00000	-0.096727	113.75	0.0	0.0	0.0
	32.00000	-16.18563	114.00000	-0.077158	113.75	0.0	0.0	0.0
	33.00000	-16.18563	114.00000	-0.060345	113.75	0.0	0.0	0.0
	34.00000	-16.18563	114.00000	-0.045892	113.75	0.0	0.0	0.0
	35.00000	-16.18563	114.00000	-0.033463	113.75	0.0	0.0	0.0
	36.00000	-16.18563	114.00000	-0.022774	113.75	0.0	0.0	0.0
	37.00000	-16.18563	114.00000	-0.013583	113.75	0.0	0.0	0.0
	38.00000	-16.18563	114.00000	-0.0056862	113.75	0.0	0.0	0.0
	39.00000	-16.18563	114.00000	0.0010930	113.75	0.0	0.0	0.0
	40.00000	-16.18563	114.00000	0.0069039	113.75	0.0	0.0	0.0
	41.00000	-16.18563	114.00000	0.011875	113.75	0.0	0.0	0.0
	42.00000	-16.18563	114.00000	0.016116	113.75	0.0	0.0	0.0
	43.00000	-16.18563	114.00000	0.019721	113.75	0.0	0.0	0.0
	44.00000	-16.18563	114.00000	0.022773	113.75	0.0	0.0	0.0
	45.00000	-16.18563	114.00000	0.025343	113.75	0.0	0.0	0.0
	46.00000	-16.18563	114.00000	0.027492	113.75	0.0	0.0	0.0
	47.00000	-16.18563	114.00000	0.029272	113.75	0.0	0.0	0.0
	48.00000	-16.18563	114.00000	0.030731	113.75	0.0	0.0	0.0
	49.00000	-16.18563	114.00000	0.031910	113.75	0.0	0.0	0.0
	50.00000	-16.18563	114.00000	0.032842	113.75	0.0	0.0	0.0
	-20.00000	-15.15469	114.00000	-938.158E-6	113.75	0.0	0.0	0.0
	-19.00000	-15.15469	114.00000	-0.0078721	113.75	0.0	0.0	0.0
	-18.00000	-15.15469	114.00000	-0.015892	113.75	0.0	0.0	0.0
	-17.00000	-15.15469	114.00000	-0.025155	113.75	0.0	0.0	0.0
	-16.00000	-15.15469	114.00000	-0.035842	113.75	0.0	0.0	0.0
	-15.00000	-15.15469	114.00000	-0.048162	113.75	0.0	0.0	0.0
	-14.00000	-15.15469	114.00000	-0.062355	113.75	0.0	0.0	0.0
	-13.00000	-15.15469	114.00000	-0.078697	113.75	0.0	0.0	0.0
	-12.00000	-15.15469	114.00000	-0.097506	113.75	0.0	0.0	0.0
	-11.00000	-15.15469	114.00000	-0.11914	113.75	0.0	0.0	0.0
	-10.00000	-15.15469	114.00000	-0.14401	113.75	0.0	0.0	0.0
	-9.00000	-15.15469	114.00000	-0.17258	113.75	0.0	0.0	0.0
	-8.00000	-15.15469	114.00000	-0.20535	113.75	0.0	0.0	0.0
	-7.00000	-15.15469	114.00000	-0.24285	113.75	0.0	0.0	0.0
	-6.00000	-15.15469	114.00000	-0.28565	113.75	0.0	0.0	0.0
	-5.00000	-15.15469	114.00000	-0.33428	113.75	0.0	0.0	0.0
	-4.00000	-15.15469	114.00000	-0.38919	113.75	0.0	0.0	0.0
	-3.00000	-15.15469	114.00000	-0.45065	113.75	0.0	0.0	0.0
	-2.00000	-15.15469	114.00000	-0.51861	113.75	0.0	0.0	0.0
	-1.00000	-15.15469	114.00000	-0.59252	113.75	0.0	0.0	0.0
	0.00000	-15.15469	114.00000	-0.67115	113.75	0.0	0.0	0.0
	1.00000	-15.15469	114.00000	-0.75249	113.75	0.0	0.0	0.0
	2.00000	-15.15469	114.00000	-0.83373	113.75	0.0	0.0	0.0
	3.00000	-15.15469	114.00000	-0.91163	113.75	0.0	0.0	0.0
	4.00000	-15.15469	114.00000	-0.98299	113.75	0.0	0.0	0.0
	5.00000	-15.15469	114.00000	-1.0453	113.75	0.0	0.0	0.0
	6.00000	-15.15469	114.00000	-1.0972	113.75	0.0	0.0	0.0
	7.00000	-15.15469	114.00000	-1.1380	113.75	0.0	0.0	0.0
	8.00000	-15.15469	114.00000	-1.1679	113.75	0.0	0.0	0.0
	9.00000	-15.15469	114.00000	-1.1869	113.75	0.0	0.0	0.0
	10.00000	-15.15469	114.00000	-1.1948	113.75	0.0	0.0	0.0
	11.00000	-15.15469	114.00000	-1.1907	113.75	0.0	0.0	0.0
	12.00000	-15.15469	114.00000	-1.1728	113.75	0.0	0.0	0.0
	13.00000	-15.15469	114.00000	-1.1388	113.75	0.0	0.0	0.0
	14.00000	-15.15469	114.00000	-1.0875	113.75	0.0	0.0	0.0
	15.00000	-15.15469	114.00000	-1.0192	113.75	0.0	0.0	0.0
	16.00000	-15.15469	114.00000	-0.93752	113.75	0.0	0.0	0.0
	17.00000	-15.15469	114.00000	-0.84778	113.75	0.0	0.0	0.0
	18.00000	-15.15469	114.00000	-0.75566	113.75	0.0	0.0	0.0
	19.00000	-15.15469	114.00000	-0.66571	113.75	0.0	0.0	0.0
	20.00000	-15.15469	114.00000	-0.58100	113.75	0.0	0.0	0.0
	21.00000	-15.15469	114.00000	-0.50324	113.75	0.0	0.0	0.0
	22.00000	-15.15469	114.00000	-0.43316	113.75	0.0	0.0	0.0
	23.00000	-15.15469	114.00000	-0.37081	113.75	0.0	0.0	0.0
	24.00000	-15.15469	114.00000	-0.31586	113.75	0.0	0.0	0.0
	25.00000	-15.15469	114.00000	-0.26774	113.75	0.0	0.0	0.0
	26.00000	-15.15469	114.00000	-0.22581	113.75	0.0	0.0	0.0
	27.00000	-15.15469	114.00000	-0.18938	113.75	0.0	0.0	0.0
	28.00000	-15.15469	114.00000	-0.15779	113.75	0.0	0.0	0.0
	29.00000	-15.15469	114.00000	-0.13044	113.75	0.0	0.0	0.0
	30.00000	-15.15469	114.00000	-0.10678	113.75	0.0	0.0	0.0
	31.00000	-15.15469	114.00000	-0.086316	113.75	0.0	0.0	0.0
	32.00000	-15.15469	114.00000	-0.068624	113.75	0.0	0.0	0.0
	33.00000	-15.15469	114.00000	-0.053329	113.75	0.0	0.0	0.0
	34.00000	-15.15469	114.00000	-0.040111	113.75	0.0	0.0	0.0
	35.00000	-15.15469	114.00000	-0.028690	113.75	0.0	0.0	0.0
	36.00000	-15.15469	114.00000	-0.018828	113.75	0.0	0.0	0.0
	37.00000	-15.15469	114.00000	-0.010318	113.75	0.0	0.0	0.0
	38.00000	-15.15469	114.00000	-0.0029819	113.75	0.0	0.0	0.0
	39.00000	-15.15469	114.00000	0.0033324	113.75	0.0	0.0	0.0
	40.00000	-15.15469	114.00000	0.0087571	113.75	0.0	0.0	0.0
	41.00000	-15.15469	114.00000	0.013406	113.75	0.0	0.0	0.0
	42.00000	-15.15469	114.00000	0.017378	113.75	0.0	0.0	0.0
	43.00000	-15.15469	114.00000	0.020759	113.75	0.0	0.0	0.0
	44.00000	-15.15469	114.00000	0.023623	113.75	0.0	0.0	0.0
	45.00000	-15.15469	114.00000	0.026035	113.75	0.0	0.0	0.0
	46.00000	-15.15469	114.00000	0.028051	113.75	0.0	0.0	0.0
	47.00000	-15.15469	114.00000	0.029719	113.75	0.0	0.0	0.0
	48.00000	-15.15469	114.00000	0.031085	113.75	0.0	0.0	0.0
	49.00000	-15.15469	114.00000	0.032184	113.75	0.0	0.0	0.0
	50.00000	-15.15469	114.00000	0.033050	113.75	0.0	0.0	0.0
	-20.00000	-14.12375	114.00000	0.0018151	113.75	0.0	0.0	0.0
	-19.00000	-14.12375	114.00000	-0.0045735	113.75	0.0	0.0	0.0
	-18.00000	-14.12375	114.00000	-0.011941	113.75	0.0	0.0	0.0
	-17.00000	-14.12375	114.00000	-0.020422	113.75	0.0	0.0	0.0
	-16.00000	-14.12375	114.00000	-0.030169	113.75	0.0	0.0	0.0
	-15.00000	-14.12375	114.00000	-0.041357	113.75	0.0	0.0	0.0
	-14.00000	-14.12375	114.00000	-0.054183	113.75	0.0	0.0	0.0
	-13.00000	-14.12375	114.00000	-0.068869	113.75	0.0	0.0	0.0
	-12.00000	-14.12375	114.00000	-0.085666	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-11.00000	-14.12375	114.00000	-0.10485	113.75	0.0	0.0	0.0
	-10.00000	-14.12375	114.00000	-0.12674	113.75	0.0	0.0	0.0
	-9.00000	-14.12375	114.00000	-0.15166	113.75	0.0	0.0	0.0
	-8.00000	-14.12375	114.00000	-0.17996	113.75	0.0	0.0	0.0
	-7.00000	-14.12375	114.00000	-0.21200	113.75	0.0	0.0	0.0
	-6.00000	-14.12375	114.00000	-0.24812	113.75	0.0	0.0	0.0
	-5.00000	-14.12375	114.00000	-0.28862	113.75	0.0	0.0	0.0
	-4.00000	-14.12375	114.00000	-0.33368	113.75	0.0	0.0	0.0
	-3.00000	-14.12375	114.00000	-0.38334	113.75	0.0	0.0	0.0
	-2.00000	-14.12375	114.00000	-0.43734	113.75	0.0	0.0	0.0
	-1.00000	-14.12375	114.00000	-0.49513	113.75	0.0	0.0	0.0
	0.00000	-14.12375	114.00000	-0.55566	113.75	0.0	0.0	0.0
	1.00000	-14.12375	114.00000	-0.61748	113.75	0.0	0.0	0.0
	2.00000	-14.12375	114.00000	-0.67869	113.75	0.0	0.0	0.0
	3.00000	-14.12375	114.00000	-0.73722	113.75	0.0	0.0	0.0
	4.00000	-14.12375	114.00000	-0.79102	113.75	0.0	0.0	0.0
	5.00000	-14.12375	114.00000	-0.83841	113.75	0.0	0.0	0.0
	6.00000	-14.12375	114.00000	-0.87820	113.75	0.0	0.0	0.0
	7.00000	-14.12375	114.00000	-0.90969	113.75	0.0	0.0	0.0
	8.00000	-14.12375	114.00000	-0.93252	113.75	0.0	0.0	0.0
	9.00000	-14.12375	114.00000	-0.94643	113.75	0.0	0.0	0.0
	10.00000	-14.12375	114.00000	-0.95105	113.75	0.0	0.0	0.0
	11.00000	-14.12375	114.00000	-0.94574	113.75	0.0	0.0	0.0
	12.00000	-14.12375	114.00000	-0.92965	113.75	0.0	0.0	0.0
	13.00000	-14.12375	114.00000	-0.90196	113.75	0.0	0.0	0.0
	14.00000	-14.12375	114.00000	-0.86243	113.75	0.0	0.0	0.0
	15.00000	-14.12375	114.00000	-0.81188	113.75	0.0	0.0	0.0
	16.00000	-14.12375	114.00000	-0.75241	113.75	0.0	0.0	0.0
	17.00000	-14.12375	114.00000	-0.68707	113.75	0.0	0.0	0.0
	18.00000	-14.12375	114.00000	-0.61915	113.75	0.0	0.0	0.0
	19.00000	-14.12375	114.00000	-0.55162	113.75	0.0	0.0	0.0
	20.00000	-14.12375	114.00000	-0.48669	113.75	0.0	0.0	0.0
	21.00000	-14.12375	114.00000	-0.42585	113.75	0.0	0.0	0.0
	22.00000	-14.12375	114.00000	-0.36994	113.75	0.0	0.0	0.0
	23.00000	-14.12375	114.00000	-0.31930	113.75	0.0	0.0	0.0
	24.00000	-14.12375	114.00000	-0.27393	113.75	0.0	0.0	0.0
	25.00000	-14.12375	114.00000	-0.23360	113.75	0.0	0.0	0.0
	26.00000	-14.12375	114.00000	-0.19798	113.75	0.0	0.0	0.0
	27.00000	-14.12375	114.00000	-0.16666	113.75	0.0	0.0	0.0
	28.00000	-14.12375	114.00000	-0.13921	113.75	0.0	0.0	0.0
	29.00000	-14.12375	114.00000	-0.11521	113.75	0.0	0.0	0.0
	30.00000	-14.12375	114.00000	-0.09426	113.75	0.0	0.0	0.0
	31.00000	-14.12375	114.00000	-0.076008	113.75	0.0	0.0	0.0
	32.00000	-14.12375	114.00000	-0.060117	113.75	0.0	0.0	0.0
	33.00000	-14.12375	114.00000	-0.046296	113.75	0.0	0.0	0.0
	34.00000	-14.12375	114.00000	-0.034286	113.75	0.0	0.0	0.0
	35.00000	-14.12375	114.00000	-0.023860	113.75	0.0	0.0	0.0
	36.00000	-14.12375	114.00000	-0.014818	113.75	0.0	0.0	0.0
	37.00000	-14.12375	114.00000	-0.0069875	113.75	0.0	0.0	0.0
	38.00000	-14.12375	114.00000	-215.89E-6	113.75	0.0	0.0	0.0
	39.00000	-14.12375	114.00000	0.0056287	113.75	0.0	0.0	0.0
	40.00000	-14.12375	114.00000	0.010661	113.75	0.0	0.0	0.0
	41.00000	-14.12375	114.00000	0.014983	113.75	0.0	0.0	0.0
	42.00000	-14.12375	114.00000	0.018680	113.75	0.0	0.0	0.0
	43.00000	-14.12375	114.00000	0.021831	113.75	0.0	0.0	0.0
	44.00000	-14.12375	114.00000	0.024501	113.75	0.0	0.0	0.0
	45.00000	-14.12375	114.00000	0.026749	113.75	0.0	0.0	0.0
	46.00000	-14.12375	114.00000	0.028627	113.75	0.0	0.0	0.0
	47.00000	-14.12375	114.00000	0.030180	113.75	0.0	0.0	0.0
	48.00000	-14.12375	114.00000	0.031448	113.75	0.0	0.0	0.0
	49.00000	-14.12375	114.00000	0.032465	113.75	0.0	0.0	0.0
	50.00000	-14.12375	114.00000	0.033262	113.75	0.0	0.0	0.0
	-20.00000	-13.09281	114.00000	0.0045643	113.75	0.0	0.0	0.0
	-19.00000	-13.09281	114.00000	-0.0012885	113.75	0.0	0.0	0.0
	-18.00000	-13.09281	114.00000	-0.0080188	113.75	0.0	0.0	0.0
	-17.00000	-13.09281	114.00000	-0.015740	113.75	0.0	0.0	0.0
	-16.00000	-13.09281	114.00000	-0.024581	113.75	0.0	0.0	0.0
	-15.00000	-13.09281	114.00000	-0.034685	113.75	0.0	0.0	0.0
	-14.00000	-13.09281	114.00000	-0.046211	113.75	0.0	0.0	0.0
	-13.00000	-13.09281	114.00000	-0.059337	113.75	0.0	0.0	0.0
	-12.00000	-13.09281	114.00000	-0.074258	113.75	0.0	0.0	0.0
	-11.00000	-13.09281	114.00000	-0.091187	113.75	0.0	0.0	0.0
	-10.00000	-13.09281	114.00000	-0.11035	113.75	0.0	0.0	0.0
	-9.00000	-13.09281	114.00000	-0.13199	113.75	0.0	0.0	0.0
	-8.00000	-13.09281	114.00000	-0.15633	113.75	0.0	0.0	0.0
	-7.00000	-13.09281	114.00000	-0.18361	113.75	0.0	0.0	0.0
	-6.00000	-13.09281	114.00000	-0.21403	113.75	0.0	0.0	0.0
	-5.00000	-13.09281	114.00000	-0.24772	113.75	0.0	0.0	0.0
	-4.00000	-13.09281	114.00000	-0.28473	113.75	0.0	0.0	0.0
	-3.00000	-13.09281	114.00000	-0.32495	113.75	0.0	0.0	0.0
	-2.00000	-13.09281	114.00000	-0.36811	113.75	0.0	0.0	0.0
	-1.00000	-13.09281	114.00000	-0.41366	113.75	0.0	0.0	0.0
	0.00000	-13.09281	114.00000	-0.46081	113.75	0.0	0.0	0.0
	1.00000	-13.09281	114.00000	-0.50846	113.75	0.0	0.0	0.0
	2.00000	-13.09281	114.00000	-0.55532	113.75	0.0	0.0	0.0
	3.00000	-13.09281	114.00000	-0.59997	113.75	0.0	0.0	0.0
	4.00000	-13.09281	114.00000	-0.64105	113.75	0.0	0.0	0.0
	5.00000	-13.09281	114.00000	-0.67736	113.75	0.0	0.0	0.0
	6.00000	-13.09281	114.00000	-0.70796	113.75	0.0	0.0	0.0
	7.00000	-13.09281	114.00000	-0.73220	113.75	0.0	0.0	0.0
	8.00000	-13.09281	114.00000	-0.74960	113.75	0.0	0.0	0.0
	9.00000	-13.09281	114.00000	-0.75982	113.75	0.0	0.0	0.0
	10.00000	-13.09281	114.00000	-0.76252	113.75	0.0	0.0	0.0
	11.00000	-13.09281	114.00000	-0.75728	113.75	0.0	0.0	0.0
	12.00000	-13.09281	114.00000	-0.74374	113.75	0.0	0.0	0.0
	13.00000	-13.09281	114.00000	-0.72165	113.75	0.0	0.0	0.0
	14.00000	-13.09281	114.00000	-0.69117	113.75	0.0	0.0	0.0
	15.00000	-13.09281	114.00000	-0.65305	113.75	0.0	0.0	0.0
	16.00000	-13.09281	114.00000	-0.60867	113.75	0.0	0.0	0.0
	17.00000	-13.09281	114.00000	-0.55991	113.75	0.0	0.0	0.0
	18.00000	-13.09281	114.00000	-0.50883	113.75	0.0	0.0	0.0
	19.00000	-13.09281	114.00000	-0.45736	113.75	0.0	0.0	0.0
	20.00000	-13.09281	114.00000	-0.40710	113.75	0.0	0.0	0.0
	21.00000	-13.09281	114.00000	-0.35923	113.75	0.0	0.0	0.0
	22.00000	-13.09281	114.00000	-0.31450	113.75	0.0	0.0	0.0
	23.00000	-13.09281	114.00000	-0.27335	113.75	0.0	0.0	0.0
	24.00000	-13.09281	114.00000	-0.23594	113.75	0.0	0.0	0.0
	25.00000	-13.09281	114.00000	-0.20223	113.75	0.0	0.0	0.0
	26.00000	-13.09281	114.00000	-0.17208	113.75	0.0	0.0	0.0
	27.00000	-13.09281	114.00000	-0.14527	113.75	0.0	0.0	0.0
	28.00000	-13.09281	114.00000	-0.12153	113.75	0.0	0.0	0.0
	29.00000	-13.09281	114.00000	-0.10058	113.75	0.0	0.0	0.0
	30.00000	-13.09281	114.00000	-0.082145	113.75	0.0	0.0	0.0
	31.00000	-13.09281	114.00000	-0.065956	113.75	0.0	0.0	0.0
	32.00000	-13.09281	114.00000	-0.051766	113.75	0.0	0.0	0.0
	33.00000	-13.09281	114.00000	-0.039351	113.75	0.0	0.0	0.0
	34.00000	-13.09281	114.00000	-0.028504	113.75	0.0	0.0	0.0
	35.00000	-13.09281	114.00000	-0.019043	113.75	0.0	0.0	0.0
	36.00000	-13.09281	114.00000	-0.010804	113.75	0.0	0.0	0.0
	37.00000	-13.09281	114.00000	-0.0036420	113.75	0.0	0.0	0.0
	38.00000	-13.09281	114.00000	0.0025712	113.75	0.0	0.0	0.0
	39.00000	-13.09281	114.00000	0.0079485	113.75	0.0	0.0	0.0
	40.00000	-13.09281	114.00000	0.012589	113.75	0.0	0.0	0.0
	41.00000	-13.09281	114.00000	0.016582	113.75	0.0	0.0	0.0
	42.00000	-13.09281	114.00000	0.020002	113.75	0.0	0.0	0.0
	43.00000	-13.09281	114.00000	0.022919	113.75	0.0	0.0	0.0
	44.00000	-13.09281	114.00000	0.025393	113.75	0.0	0.0	0.0
	45.00000	-13.09281	114.00000	0.027475	113.75	0.0	0.0	0.0
	46.00000	-13.09281	114.00000	0.029213	113.75	0.0	0.0	0.0
	47.00000	-13.09281	114.00000	0.030648	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	48.00000	-13.09281	114.00000	0.031815	113.75	0.0	0.0	0.0
	49.00000	-13.09281	114.00000	0.032748	113.75	0.0	0.0	0.0
	50.00000	-13.09281	114.00000	0.033473	113.75	0.0	0.0	0.0
	-20.00000	-12.06188	114.00000	0.0072773	113.75	0.0	0.0	0.0
	-19.00000	-12.06188	114.00000	0.0019445	113.75	0.0	0.0	0.0
	-18.00000	-12.06188	114.00000	-0.0041705	113.75	0.0	0.0	0.0
	-17.00000	-12.06188	114.00000	-0.011163	113.75	0.0	0.0	0.0
	-16.00000	-12.06188	114.00000	-0.019140	113.75	0.0	0.0	0.0
	-15.00000	-12.06188	114.00000	-0.028217	113.75	0.0	0.0	0.0
	-14.00000	-12.06188	114.00000	-0.038523	113.75	0.0	0.0	0.0
	-13.00000	-12.06188	114.00000	-0.050198	113.75	0.0	0.0	0.0
	-12.00000	-12.06188	114.00000	-0.063391	113.75	0.0	0.0	0.0
	-11.00000	-12.06188	114.00000	-0.078261	113.75	0.0	0.0	0.0
	-10.00000	-12.06188	114.00000	-0.094973	113.75	0.0	0.0	0.0
	-9.00000	-12.06188	114.00000	-0.11369	113.75	0.0	0.0	0.0
	-8.00000	-12.06188	114.00000	-0.13457	113.75	0.0	0.0	0.0
	-7.00000	-12.06188	114.00000	-0.15775	113.75	0.0	0.0	0.0
	-6.00000	-12.06188	114.00000	-0.18333	113.75	0.0	0.0	0.0
	-5.00000	-12.06188	114.00000	-0.21135	113.75	0.0	0.0	0.0
	-4.00000	-12.06188	114.00000	-0.24179	113.75	0.0	0.0	0.0
	-3.00000	-12.06188	114.00000	-0.27448	113.75	0.0	0.0	0.0
	-2.00000	-12.06188	114.00000	-0.30916	113.75	0.0	0.0	0.0
	-1.00000	-12.06188	114.00000	-0.34534	113.75	0.0	0.0	0.0
	0.00000	-12.06188	114.00000	-0.38242	113.75	0.0	0.0	0.0
	1.00000	-12.06188	114.00000	-0.41958	113.75	0.0	0.0	0.0
	2.00000	-12.06188	114.00000	-0.45591	113.75	0.0	0.0	0.0
	3.00000	-12.06188	114.00000	-0.49040	113.75	0.0	0.0	0.0
	4.00000	-12.06188	114.00000	-0.52210	113.75	0.0	0.0	0.0
	5.00000	-12.06188	114.00000	-0.55013	113.75	0.0	0.0	0.0
	6.00000	-12.06188	114.00000	-0.57377	113.75	0.0	0.0	0.0
	7.00000	-12.06188	114.00000	-0.59245	113.75	0.0	0.0	0.0
	8.00000	-12.06188	114.00000	-0.60574	113.75	0.0	0.0	0.0
	9.00000	-12.06188	114.00000	-0.61331	113.75	0.0	0.0	0.0
	10.00000	-12.06188	114.00000	-0.61487	113.75	0.0	0.0	0.0
	11.00000	-12.06188	114.00000	-0.61019	113.75	0.0	0.0	0.0
	12.00000	-12.06188	114.00000	-0.59910	113.75	0.0	0.0	0.0
	13.00000	-12.06188	114.00000	-0.58162	113.75	0.0	0.0	0.0
	14.00000	-12.06188	114.00000	-0.55799	113.75	0.0	0.0	0.0
	15.00000	-12.06188	114.00000	-0.52884	113.75	0.0	0.0	0.0
	16.00000	-12.06188	114.00000	-0.49512	113.75	0.0	0.0	0.0
	17.00000	-12.06188	114.00000	-0.45806	113.75	0.0	0.0	0.0
	18.00000	-12.06188	114.00000	-0.41901	113.75	0.0	0.0	0.0
	19.00000	-12.06188	114.00000	-0.37928	113.75	0.0	0.0	0.0
	20.00000	-12.06188	114.00000	-0.34001	113.75	0.0	0.0	0.0
	21.00000	-12.06188	114.00000	-0.30209	113.75	0.0	0.0	0.0
	22.00000	-12.06188	114.00000	-0.26617	113.75	0.0	0.0	0.0
	23.00000	-12.06188	114.00000	-0.23268	113.75	0.0	0.0	0.0
	24.00000	-12.06188	114.00000	-0.20183	113.75	0.0	0.0	0.0
	25.00000	-12.06188	114.00000	-0.17370	113.75	0.0	0.0	0.0
	26.00000	-12.06188	114.00000	-0.14825	113.75	0.0	0.0	0.0
	27.00000	-12.06188	114.00000	-0.12537	113.75	0.0	0.0	0.0
	28.00000	-12.06188	114.00000	-0.10492	113.75	0.0	0.0	0.0
	29.00000	-12.06188	114.00000	-0.086716	113.75	0.0	0.0	0.0
	30.00000	-12.06188	114.00000	-0.070565	113.75	0.0	0.0	0.0
	31.00000	-12.06188	114.00000	-0.056279	113.75	0.0	0.0	0.0
	32.00000	-12.06188	114.00000	-0.043676	113.75	0.0	0.0	0.0
	33.00000	-12.06188	114.00000	-0.032583	113.75	0.0	0.0	0.0
	34.00000	-12.06188	114.00000	-0.022841	113.75	0.0	0.0	0.0
	35.00000	-12.06188	114.00000	-0.014304	113.75	0.0	0.0	0.0
	36.00000	-12.06188	114.00000	-0.0068385	113.75	0.0	0.0	0.0
	37.00000	-12.06188	114.00000	-325.39E-6	113.75	0.0	0.0	0.0
	38.00000	-12.06188	114.00000	0.0053426	113.75	0.0	0.0	0.0
	39.00000	-12.06188	114.00000	0.010261	113.75	0.0	0.0	0.0
	40.00000	-12.06188	114.00000	0.014515	113.75	0.0	0.0	0.0
	41.00000	-12.06188	114.00000	0.018182	113.75	0.0	0.0	0.0
	42.00000	-12.06188	114.00000	0.021327	113.75	0.0	0.0	0.0
	43.00000	-12.06188	114.00000	0.024011	113.75	0.0	0.0	0.0
	44.00000	-12.06188	114.00000	0.026287	113.75	0.0	0.0	0.0
	45.00000	-12.06188	114.00000	0.028203	113.75	0.0	0.0	0.0
	46.00000	-12.06188	114.00000	0.029800	113.75	0.0	0.0	0.0
	47.00000	-12.06188	114.00000	0.031115	113.75	0.0	0.0	0.0
	48.00000	-12.06188	114.00000	0.032181	113.75	0.0	0.0	0.0
	49.00000	-12.06188	114.00000	0.033027	113.75	0.0	0.0	0.0
	50.00000	-12.06188	114.00000	0.033681	113.75	0.0	0.0	0.0
	-20.00000	-11.03094	114.00000	0.0099258	113.75	0.0	0.0	0.0
	-19.00000	-11.03094	114.00000	0.0050927	113.75	0.0	0.0	0.0
	-18.00000	-11.03094	114.00000	-434.54E-6	113.75	0.0	0.0	0.0
	-17.00000	-11.03094	114.00000	-0.0067353	113.75	0.0	0.0	0.0
	-16.00000	-11.03094	114.00000	-0.013897	113.75	0.0	0.0	0.0
	-15.00000	-11.03094	114.00000	-0.022013	113.75	0.0	0.0	0.0
	-14.00000	-11.03094	114.00000	-0.031186	113.75	0.0	0.0	0.0
	-13.00000	-11.03094	114.00000	-0.041523	113.75	0.0	0.0	0.0
	-12.00000	-11.03094	114.00000	-0.053140	113.75	0.0	0.0	0.0
	-11.00000	-11.03094	114.00000	-0.066151	113.75	0.0	0.0	0.0
	-10.00000	-11.03094	114.00000	-0.080674	113.75	0.0	0.0	0.0
	-9.00000	-11.03094	114.00000	-0.096820	113.75	0.0	0.0	0.0
	-8.00000	-11.03094	114.00000	-0.11468	113.75	0.0	0.0	0.0
	-7.00000	-11.03094	114.00000	-0.13435	113.75	0.0	0.0	0.0
	-6.00000	-11.03094	114.00000	-0.15584	113.75	0.0	0.0	0.0
	-5.00000	-11.03094	114.00000	-0.17917	113.75	0.0	0.0	0.0
	-4.00000	-11.03094	114.00000	-0.20425	113.75	0.0	0.0	0.0
	-3.00000	-11.03094	114.00000	-0.23092	113.75	0.0	0.0	0.0
	-2.00000	-11.03094	114.00000	-0.25892	113.75	0.0	0.0	0.0
	-1.00000	-11.03094	114.00000	-0.28787	113.75	0.0	0.0	0.0
	0.00000	-11.03094	114.00000	-0.31728	113.75	0.0	0.0	0.0
	1.00000	-11.03094	114.00000	-0.34654	113.75	0.0	0.0	0.0
	2.00000	-11.03094	114.00000	-0.37499	113.75	0.0	0.0	0.0
	3.00000	-11.03094	114.00000	-0.40190	113.75	0.0	0.0	0.0
	4.00000	-11.03094	114.00000	-0.42658	113.75	0.0	0.0	0.0
	5.00000	-11.03094	114.00000	-0.44838	113.75	0.0	0.0	0.0
	6.00000	-11.03094	114.00000	-0.46674	113.75	0.0	0.0	0.0
	7.00000	-11.03094	114.00000	-0.48120	113.75	0.0	0.0	0.0
	8.00000	-11.03094	114.00000	-0.49140	113.75	0.0	0.0	0.0
	9.00000	-11.03094	114.00000	-0.49705	113.75	0.0	0.0	0.0
	10.00000	-11.03094	114.00000	-0.49795	113.75	0.0	0.0	0.0
	11.00000	-11.03094	114.00000	-0.49394	113.75	0.0	0.0	0.0
	12.00000	-11.03094	114.00000	-0.48498	113.75	0.0	0.0	0.0
	13.00000	-11.03094	114.00000	-0.47116	113.75	0.0	0.0	0.0
	14.00000	-11.03094	114.00000	-0.45273	113.75	0.0	0.0	0.0
	15.00000	-11.03094	114.00000	-0.43019	113.75	0.0	0.0	0.0
	16.00000	-11.03094	114.00000	-0.40420	113.75	0.0	0.0	0.0
	17.00000	-11.03094	114.00000	-0.37562	113.75	0.0	0.0	0.0
	18.00000	-11.03094	114.00000	-0.34537	113.75	0.0	0.0	0.0
	19.00000	-11.03094	114.00000	-0.31435	113.75	0.0	0.0	0.0
	20.00000	-11.03094	114.00000	-0.28339	113.75	0.0	0.0	0.0
	21.00000	-11.03094	114.00000	-0.25317	113.75	0.0	0.0	0.0
	22.00000	-11.03094	114.00000	-0.22421	113.75	0.0	0.0	0.0
	23.00000	-11.03094	114.00000	-0.19688	113.75	0.0	0.0	0.0
	24.00000	-11.03094	114.00000	-0.17142	113.75	0.0	0.0	0.0
	25.00000	-11.03094	114.00000	-0.14796	113.75	0.0	0.0	0.0
	26.00000	-11.03094	114.00000	-0.12650	113.75	0.0	0.0	0.0
	27.00000	-11.03094	114.00000	-0.10704	113.75	0.0	0.0	0.0
	28.00000	-11.03094	114.00000	-0.089474	113.75	0.0	0.0	0.0
	29.00000	-11.03094	114.00000	-0.073709	113.75	0.0	0.0	0.0
	30.00000	-11.03094	114.00000	-0.059617	113.75	0.0	0.0	0.0
	31.00000	-11.03094	114.00000	-0.047067	113.75	0.0	0.0	0.0
	32.00000	-11.03094	114.00000	-0.035925	113.75	0.0	0.0	0.0
	33.00000	-11.03094	114.00000	-0.026064	113.75	0.0	0.0	0.0
	34.00000	-11.03094	114.00000	-0.017359	113.75	0.0	0.0	0.0
	35.00000	-11.03094	114.00000	-0.0096951	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	36.00000	-11.03094	114.00000	-0.0029669	113.75	0.0	0.0	0.0
	37.00000	-11.03094	114.00000	0.0029238	113.75	0.0	0.0	0.0
	38.00000	-11.03094	114.00000	0.0080656	113.75	0.0	0.0	0.0
	39.00000	-11.03094	114.00000	0.012539	113.75	0.0	0.0	0.0
	40.00000	-11.03094	114.00000	0.016416	113.75	0.0	0.0	0.0
	41.00000	-11.03094	114.00000	0.019763	113.75	0.0	0.0	0.0
	42.00000	-11.03094	114.00000	0.022637	113.75	0.0	0.0	0.0
	43.00000	-11.03094	114.00000	0.025092	113.75	0.0	0.0	0.0
	44.00000	-11.03094	114.00000	0.027173	113.75	0.0	0.0	0.0
	45.00000	-11.03094	114.00000	0.028923	113.75	0.0	0.0	0.0
	46.00000	-11.03094	114.00000	0.030379	113.75	0.0	0.0	0.0
	47.00000	-11.03094	114.00000	0.031574	113.75	0.0	0.0	0.0
	48.00000	-11.03094	114.00000	0.032539	113.75	0.0	0.0	0.0
	49.00000	-11.03094	114.00000	0.033300	113.75	0.0	0.0	0.0
	50.00000	-11.03094	114.00000	0.033880	113.75	0.0	0.0	0.0
	-20.00000	-10.00000	114.00000	0.012486	113.75	0.0	0.0	0.0
	-19.00000	-10.00000	114.00000	0.0081282	113.75	0.0	0.0	0.0
	-18.00000	-10.00000	114.00000	0.0031573	113.75	0.0	0.0	0.0
	-17.00000	-10.00000	114.00000	-0.0024924	113.75	0.0	0.0	0.0
	-16.00000	-10.00000	114.00000	-0.0088916	113.75	0.0	0.0	0.0
	-15.00000	-10.00000	114.00000	-0.016116	113.75	0.0	0.0	0.0
	-14.00000	-10.00000	114.00000	-0.024245	113.75	0.0	0.0	0.0
	-13.00000	-10.00000	114.00000	-0.033363	113.75	0.0	0.0	0.0
	-12.00000	-10.00000	114.00000	-0.043553	113.75	0.0	0.0	0.0
	-11.00000	-10.00000	114.00000	-0.054900	113.75	0.0	0.0	0.0
	-10.00000	-10.00000	114.00000	-0.067484	113.75	0.0	0.0	0.0
	-9.00000	-10.00000	114.00000	-0.081378	113.75	0.0	0.0	0.0
	-8.00000	-10.00000	114.00000	-0.096638	113.75	0.0	0.0	0.0
	-7.00000	-10.00000	114.00000	-0.11330	113.75	0.0	0.0	0.0
	-6.00000	-10.00000	114.00000	-0.13137	113.75	0.0	0.0	0.0
	-5.00000	-10.00000	114.00000	-0.15080	113.75	0.0	0.0	0.0
	-4.00000	-10.00000	114.00000	-0.17151	113.75	0.0	0.0	0.0
	-3.00000	-10.00000	114.00000	-0.19334	113.75	0.0	0.0	0.0
	-2.00000	-10.00000	114.00000	-0.21606	113.75	0.0	0.0	0.0
	-1.00000	-10.00000	114.00000	-0.23936	113.75	0.0	0.0	0.0
	0.00000	-10.00000	114.00000	-0.26286	113.75	0.0	0.0	0.0
	1.00000	-10.00000	114.00000	-0.28609	113.75	0.0	0.0	0.0
	2.00000	-10.00000	114.00000	-0.30856	113.75	0.0	0.0	0.0
	3.00000	-10.00000	114.00000	-0.32974	113.75	0.0	0.0	0.0
	4.00000	-10.00000	114.00000	-0.34911	113.75	0.0	0.0	0.0
	5.00000	-10.00000	114.00000	-0.36618	113.75	0.0	0.0	0.0
	6.00000	-10.00000	114.00000	-0.38053	113.75	0.0	0.0	0.0
	7.00000	-10.00000	114.00000	-0.39178	113.75	0.0	0.0	0.0
	8.00000	-10.00000	114.00000	-0.39966	113.75	0.0	0.0	0.0
	9.00000	-10.00000	114.00000	-0.40392	113.75	0.0	0.0	0.0
	10.00000	-10.00000	114.00000	-0.40442	113.75	0.0	0.0	0.0
	11.00000	-10.00000	114.00000	-0.40107	113.75	0.0	0.0	0.0
	12.00000	-10.00000	114.00000	-0.39387	113.75	0.0	0.0	0.0
	13.00000	-10.00000	114.00000	-0.38292	113.75	0.0	0.0	0.0
	14.00000	-10.00000	114.00000	-0.36845	113.75	0.0	0.0	0.0
	15.00000	-10.00000	114.00000	-0.35085	113.75	0.0	0.0	0.0
	16.00000	-10.00000	114.00000	-0.33059	113.75	0.0	0.0	0.0
	17.00000	-10.00000	114.00000	-0.30829	113.75	0.0	0.0	0.0
	18.00000	-10.00000	114.00000	-0.28459	113.75	0.0	0.0	0.0
	19.00000	-10.00000	114.00000	-0.26014	113.75	0.0	0.0	0.0
	20.00000	-10.00000	114.00000	-0.23553	113.75	0.0	0.0	0.0
	21.00000	-10.00000	114.00000	-0.21130	113.75	0.0	0.0	0.0
	22.00000	-10.00000	114.00000	-0.18784	113.75	0.0	0.0	0.0
	23.00000	-10.00000	114.00000	-0.16549	113.75	0.0	0.0	0.0
	24.00000	-10.00000	114.00000	-0.14446	113.75	0.0	0.0	0.0
	25.00000	-10.00000	114.00000	-0.12488	113.75	0.0	0.0	0.0
	26.00000	-10.00000	114.00000	-0.10681	113.75	0.0	0.0	0.0
	27.00000	-10.00000	114.00000	-0.090271	113.75	0.0	0.0	0.0
	28.00000	-10.00000	114.00000	-0.075226	113.75	0.0	0.0	0.0
	29.00000	-10.00000	114.00000	-0.061617	113.75	0.0	0.0	0.0
	30.00000	-10.00000	114.00000	-0.049366	113.75	0.0	0.0	0.0
	31.00000	-10.00000	114.00000	-0.038383	113.75	0.0	0.0	0.0
	32.00000	-10.00000	114.00000	-0.028575	113.75	0.0	0.0	0.0
	33.00000	-10.00000	114.00000	-0.019847	113.75	0.0	0.0	0.0
	34.00000	-10.00000	114.00000	-0.012105	113.75	0.0	0.0	0.0
	35.00000	-10.00000	114.00000	-0.0052600	113.75	0.0	0.0	0.0
	36.00000	-10.00000	114.00000	773.03E-6	113.75	0.0	0.0	0.0
	37.00000	-10.00000	114.00000	0.0060728	113.75	0.0	0.0	0.0
	38.00000	-10.00000	114.00000	0.010712	113.75	0.0	0.0	0.0
	39.00000	-10.00000	114.00000	0.014758	113.75	0.0	0.0	0.0
	40.00000	-10.00000	114.00000	0.018272	113.75	0.0	0.0	0.0
	41.00000	-10.00000	114.00000	0.021309	113.75	0.0	0.0	0.0
	42.00000	-10.00000	114.00000	0.023919	113.75	0.0	0.0	0.0
	43.00000	-10.00000	114.00000	0.026149	113.75	0.0	0.0	0.0
	44.00000	-10.00000	114.00000	0.028039	113.75	0.0	0.0	0.0
	45.00000	-10.00000	114.00000	0.029626	113.75	0.0	0.0	0.0
	46.00000	-10.00000	114.00000	0.030943	113.75	0.0	0.0	0.0
	47.00000	-10.00000	114.00000	0.032020	113.75	0.0	0.0	0.0
	48.00000	-10.00000	114.00000	0.032884	113.75	0.0	0.0	0.0
	49.00000	-10.00000	114.00000	0.033560	113.75	0.0	0.0	0.0
	50.00000	-10.00000	114.00000	0.034068	113.75	0.0	0.0	0.0
Grid 7	-20.00000	-34.49500	114.00000	-0.010594	113.75	0.0	0.0	0.0
	-19.00020	-34.49500	114.00000	-0.019490	113.75	0.0	0.0	0.0
	-18.00040	-34.49500	114.00000	-0.029883	113.75	0.0	0.0	0.0
	-17.00060	-34.49500	114.00000	-0.042028	113.75	0.0	0.0	0.0
	-16.00080	-34.49500	114.00000	-0.056228	113.75	0.0	0.0	0.0
	-15.00100	-34.49500	114.00000	-0.072849	113.75	0.0	0.0	0.0
	-14.00120	-34.49500	114.00000	-0.092329	113.75	0.0	0.0	0.0
	-13.00140	-34.49500	114.00000	-0.11520	113.75	0.0	0.0	0.0
	-12.00160	-34.49500	114.00000	-0.14212	113.75	0.0	0.0	0.0
	-11.00180	-34.49500	114.00000	-0.17387	113.75	0.0	0.0	0.0
	-10.00200	-34.49500	114.00000	-0.21144	113.75	0.0	0.0	0.0
	-9.00220	-34.49500	114.00000	-0.25603	113.75	0.0	0.0	0.0
	-8.00240	-34.49500	114.00000	-0.30913	113.75	0.0	0.0	0.0
	-7.00260	-34.49500	114.00000	-0.37259	113.75	0.0	0.0	0.0
	-6.00280	-34.49500	114.00000	-0.44871	113.75	0.0	0.0	0.0
	-5.00300	-34.49500	114.00000	-0.54036	113.75	0.0	0.0	0.0
	-4.00320	-34.49500	114.00000	-0.65112	113.75	0.0	0.0	0.0
	-3.00340	-34.49500	114.00000	-0.78544	113.75	0.0	0.0	0.0
	-2.00360	-34.49500	114.00000	-0.94891	113.75	0.0	0.0	0.0
	-1.00380	-34.49500	114.00000	-1.1485	113.75	0.0	0.0	0.0
	-0.00400	-34.49500	114.00000	-1.3933	113.75	0.0	0.0	0.0
	0.99580	-34.49500	114.00000	-1.6953	113.75	0.0	0.0	0.0
	1.99560	-34.49500	114.00000	-2.0719	113.75	0.0	0.0	0.0
	2.99540	-34.49500	114.00000	-2.5524	113.75	0.0	0.0	0.0
	3.99520	-34.49500	114.00000	-3.1981	113.75	0.0	0.0	0.0
	4.99500	-34.49500	114.00000	-4.1581	113.75	0.0	0.0	0.0
	-20.00000	-33.49562	114.00000	-0.012769	113.75	0.0	0.0	0.0
	-19.00020	-33.49562	114.00000	-0.022127	113.75	0.0	0.0	0.0
	-18.00040	-33.49562	114.00000	-0.033086	113.75	0.0	0.0	0.0
	-17.00060	-33.49562	114.00000	-0.045926	113.75	0.0	0.0	0.0
	-16.00080	-33.49562	114.00000	-0.060982	113.75	0.0	0.0	0.0
	-15.00100	-33.49562	114.00000	-0.078665	113.75	0.0	0.0	0.0
	-14.00120	-33.49562	114.00000	-0.099470	113.75	0.0	0.0	0.0
	-13.00140	-33.49562	114.00000	-0.12401	113.75	0.0	0.0	0.0
	-12.00160	-33.49562	114.00000	-0.15303	113.75	0.0	0.0	0.0
	-11.00180	-33.49562	114.00000	-0.18746	113.75	0.0	0.0	0.0
	-10.00200	-33.49562	114.00000	-0.22847	113.75	0.0	0.0	0.0
	-9.00220	-33.49562	114.00000	-0.27750	113.75	0.0	0.0	0.0
	-8.00240	-33.49562	114.00000	-0.33639	113.75	0.0	0.0	0.0
	-7.00260	-33.49562	114.00000	-0.40747	113.75	0.0	0.0	0.0
	-6.00280	-33.49562	114.00000	-0.49371	113.75	0.0	0.0	0.0
	-5.00300	-33.49562	114.00000	-0.59895	113.75	0.0	0.0	0.0
	-4.00320	-33.49562	114.00000	-0.72812	113.75	0.0	0.0	0.0
	-3.00340	-33.49562	114.00000	-0.88770	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-2.00360	-33.49562	114.00000	-1.0862	113.75	0.0	0.0	0.0
	-1.00380	-33.49562	114.00000	-1.3350	113.75	0.0	0.0	0.0
	-0.00400	-33.49562	114.00000	-1.6503	113.75	0.0	0.0	0.0
	0.99580	-33.49562	114.00000	-2.0560	113.75	0.0	0.0	0.0
	1.99560	-33.49562	114.00000	-2.5938	113.75	0.0	0.0	0.0
	2.99540	-33.49562	114.00000	-3.3542	113.75	0.0	0.0	0.0
	3.99520	-33.49562	114.00000	-4.6344	113.75	0.0	0.0	0.0
	4.99500	-33.49562	114.00000	-7.0078	113.75	0.0	0.0	0.0
	-20.00000	-32.49625	114.00000	-0.014733	113.75	0.0	0.0	0.0
	-19.00020	-32.49625	114.00000	-0.024514	113.75	0.0	0.0	0.0
	-18.00040	-32.49625	114.00000	-0.035992	113.75	0.0	0.0	0.0
	-17.00060	-32.49625	114.00000	-0.049471	113.75	0.0	0.0	0.0
	-16.00080	-32.49625	114.00000	-0.065319	113.75	0.0	0.0	0.0
	-15.00100	-32.49625	114.00000	-0.083989	113.75	0.0	0.0	0.0
	-14.00120	-32.49625	114.00000	-0.10603	113.75	0.0	0.0	0.0
	-13.00140	-32.49625	114.00000	-0.13214	113.75	0.0	0.0	0.0
	-12.00160	-32.49625	114.00000	-0.16315	113.75	0.0	0.0	0.0
	-11.00180	-32.49625	114.00000	-0.20014	113.75	0.0	0.0	0.0
	-10.00200	-32.49625	114.00000	-0.24446	113.75	0.0	0.0	0.0
	-9.00220	-32.49625	114.00000	-0.29781	113.75	0.0	0.0	0.0
	-8.00240	-32.49625	114.00000	-0.36241	113.75	0.0	0.0	0.0
	-7.00260	-32.49625	114.00000	-0.44110	113.75	0.0	0.0	0.0
	-6.00280	-32.49625	114.00000	-0.53762	113.75	0.0	0.0	0.0
	-5.00300	-32.49625	114.00000	-0.65690	113.75	0.0	0.0	0.0
	-4.00320	-32.49625	114.00000	-0.80551	113.75	0.0	0.0	0.0
	-3.00340	-32.49625	114.00000	-0.99242	113.75	0.0	0.0	0.0
	-2.00360	-32.49625	114.00000	-1.2300	113.75	0.0	0.0	0.0
	-1.00380	-32.49625	114.00000	-1.5357	113.75	0.0	0.0	0.0
	-0.00400	-32.49625	114.00000	-1.9357	113.75	0.0	0.0	0.0
	0.99580	-32.49625	114.00000	-2.4721	113.75	0.0	0.0	0.0
	1.99560	-32.49625	114.00000	-3.2248	113.75	0.0	0.0	0.0
	2.99540	-32.49625	114.00000	-4.4015	113.75	0.0	0.0	0.0
	3.99520	-32.49625	114.00000	-6.9762	113.75	0.0	0.0	0.0
	4.99500	-32.49625	114.00000	-8.7409	113.75	0.0	0.0	0.0
	-20.00000	-31.49687	114.00000	-0.016450	113.75	0.0	0.0	0.0
	-19.00020	-31.49687	114.00000	-0.026606	113.75	0.0	0.0	0.0
	-18.00040	-31.49687	114.00000	-0.038543	113.75	0.0	0.0	0.0
	-17.00060	-31.49687	114.00000	-0.052590	113.75	0.0	0.0	0.0
	-16.00080	-31.49687	114.00000	-0.069147	113.75	0.0	0.0	0.0
	-15.00100	-31.49687	114.00000	-0.088703	113.75	0.0	0.0	0.0
	-14.00120	-31.49687	114.00000	-0.11187	113.75	0.0	0.0	0.0
	-13.00140	-31.49687	114.00000	-0.13939	113.75	0.0	0.0	0.0
	-12.00160	-31.49687	114.00000	-0.17222	113.75	0.0	0.0	0.0
	-11.00180	-31.49687	114.00000	-0.21156	113.75	0.0	0.0	0.0
	-10.00200	-31.49687	114.00000	-0.25895	113.75	0.0	0.0	0.0
	-9.00220	-31.49687	114.00000	-0.31636	113.75	0.0	0.0	0.0
	-8.00240	-31.49687	114.00000	-0.38636	113.75	0.0	0.0	0.0
	-7.00260	-31.49687	114.00000	-0.47235	113.75	0.0	0.0	0.0
	-6.00280	-31.49687	114.00000	-0.57886	113.75	0.0	0.0	0.0
	-5.00300	-31.49687	114.00000	-0.71203	113.75	0.0	0.0	0.0
	-4.00320	-31.49687	114.00000	-0.88031	113.75	0.0	0.0	0.0
	-3.00340	-31.49687	114.00000	-1.0956	113.75	0.0	0.0	0.0
	-2.00360	-31.49687	114.00000	-1.3751	113.75	0.0	0.0	0.0
	-1.00380	-31.49687	114.00000	-1.7446	113.75	0.0	0.0	0.0
	-0.00400	-31.49687	114.00000	-2.2444	113.75	0.0	0.0	0.0
	0.99580	-31.49687	114.00000	-2.9443	113.75	0.0	0.0	0.0
	1.99560	-31.49687	114.00000	-3.9910	113.75	0.0	0.0	0.0
	2.99540	-31.49687	114.00000	-5.8553	113.75	0.0	0.0	0.0
	3.99520	-31.49687	114.00000	-8.7661	113.75	0.0	0.0	0.0
	4.99500	-31.49687	114.00000	-9.9460	113.75	0.0	0.0	0.0
	-20.00000	-30.49750	114.00000	-0.017889	113.75	0.0	0.0	0.0
	-19.00020	-30.49750	114.00000	-0.028360	113.75	0.0	0.0	0.0
	-18.00040	-30.49750	114.00000	-0.040687	113.75	0.0	0.0	0.0
	-17.00060	-30.49750	114.00000	-0.055218	113.75	0.0	0.0	0.0
	-16.00080	-30.49750	114.00000	-0.072378	113.75	0.0	0.0	0.0
	-15.00100	-30.49750	114.00000	-0.092694	113.75	0.0	0.0	0.0
	-14.00120	-30.49750	114.00000	-0.11682	113.75	0.0	0.0	0.0
	-13.00140	-30.49750	114.00000	-0.14557	113.75	0.0	0.0	0.0
	-12.00160	-30.49750	114.00000	-0.17999	113.75	0.0	0.0	0.0
	-11.00180	-30.49750	114.00000	-0.22139	113.75	0.0	0.0	0.0
	-10.00200	-30.49750	114.00000	-0.27148	113.75	0.0	0.0	0.0
	-9.00220	-30.49750	114.00000	-0.33249	113.75	0.0	0.0	0.0
	-8.00240	-30.49750	114.00000	-0.40734	113.75	0.0	0.0	0.0
	-7.00260	-30.49750	114.00000	-0.49997	113.75	0.0	0.0	0.0
	-6.00280	-30.49750	114.00000	-0.61568	113.75	0.0	0.0	0.0
	-5.00300	-30.49750	114.00000	-0.76186	113.75	0.0	0.0	0.0
	-4.00320	-30.49750	114.00000	-0.94892	113.75	0.0	0.0	0.0
	-3.00340	-30.49750	114.00000	-1.1920	113.75	0.0	0.0	0.0
	-2.00360	-30.49750	114.00000	-1.5142	113.75	0.0	0.0	0.0
	-1.00380	-30.49750	114.00000	-1.9520	113.75	0.0	0.0	0.0
	-0.00400	-30.49750	114.00000	-2.5674	113.75	0.0	0.0	0.0
	0.99580	-30.49750	114.00000	-3.4775	113.75	0.0	0.0	0.0
	1.99560	-30.49750	114.00000	-4.9710	113.75	0.0	0.0	0.0
	2.99540	-30.49750	114.00000	-8.0595	113.75	0.0	0.0	0.0
	3.99520	-30.49750	114.00000	-9.8953	113.75	0.0	0.0	0.0
	4.99500	-30.49750	114.00000	-10.814	113.75	0.0	0.0	0.0
	-20.00000	-29.49812	114.00000	-0.019019	113.75	0.0	0.0	0.0
	-19.00020	-29.49812	114.00000	-0.029740	113.75	0.0	0.0	0.0
	-18.00040	-29.49812	114.00000	-0.042377	113.75	0.0	0.0	0.0
	-17.00060	-29.49812	114.00000	-0.057293	113.75	0.0	0.0	0.0
	-16.00080	-29.49812	114.00000	-0.074936	113.75	0.0	0.0	0.0
	-15.00100	-29.49812	114.00000	-0.095860	113.75	0.0	0.0	0.0
	-14.00120	-29.49812	114.00000	-0.12076	113.75	0.0	0.0	0.0
	-13.00140	-29.49812	114.00000	-0.15050	113.75	0.0	0.0	0.0
	-12.00160	-29.49812	114.00000	-0.18620	113.75	0.0	0.0	0.0
	-11.00180	-29.49812	114.00000	-0.22929	113.75	0.0	0.0	0.0
	-10.00200	-29.49812	114.00000	-0.28161	113.75	0.0	0.0	0.0
	-9.00220	-29.49812	114.00000	-0.34560	113.75	0.0	0.0	0.0
	-8.00240	-29.49812	114.00000	-0.42451	113.75	0.0	0.0	0.0
	-7.00260	-29.49812	114.00000	-0.52273	113.75	0.0	0.0	0.0
	-6.00280	-29.49812	114.00000	-0.64631	113.75	0.0	0.0	0.0
	-5.00300	-29.49812	114.00000	-0.80374	113.75	0.0	0.0	0.0
	-4.00320	-29.49812	114.00000	-1.0074	113.75	0.0	0.0	0.0
	-3.00340	-29.49812	114.00000	-1.2756	113.75	0.0	0.0	0.0
	-2.00360	-29.49812	114.00000	-1.6376	113.75	0.0	0.0	0.0
	-1.00380	-29.49812	114.00000	-2.1432	113.75	0.0	0.0	0.0
	-0.00400	-29.49812	114.00000	-2.8868	113.75	0.0	0.0	0.0
	0.99580	-29.49812	114.00000	-4.0822	113.75	0.0	0.0	0.0
	1.99560	-29.49812	114.00000	-6.4450	113.75	0.0	0.0	0.0
	2.99540	-29.49812	114.00000	-9.3082	113.75	0.0	0.0	0.0
	3.99520	-29.49812	114.00000	-10.649	113.75	0.0	0.0	0.0
	4.99500	-29.49812	114.00000	-11.428	113.75	0.0	0.0	0.0
	-20.00000	-28.49875	114.00000	-0.019818	113.75	0.0	0.0	0.0
	-19.00020	-28.49875	114.00000	-0.030718	113.75	0.0	0.0	0.0
	-18.00040	-28.49875	114.00000	-0.043576	113.75	0.0	0.0	0.0
	-17.00060	-28.49875	114.00000	-0.058767	113.75	0.0	0.0	0.0
	-16.00080	-28.49875	114.00000	-0.076756	113.75	0.0	0.0	0.0
	-15.00100	-28.49875	114.00000	-0.098118	113.75	0.0	0.0	0.0
	-14.00120	-28.49875	114.00000	-0.12357	113.75	0.0	0.0	0.0
	-13.00140	-28.49875	114.00000	-0.15404	113.75	0.0	0.0	0.0
	-12.00160	-28.49875	114.00000	-0.19068	113.75	0.0	0.0	0.0
	-11.00180	-28.49875	114.00000	-0.23499	113.75	0.0	0.0	0.0
	-10.00200	-28.49875	114.00000	-0.28895	113.75	0.0	0.0	0.0
	-9.00220	-28.49875	114.00000	-0.35515	113.75	0.0	0.0	0.0
	-8.00240	-28.49875	114.00000	-0.43709	113.75	0.0	0.0	0.0
	-7.00260	-28.49875	114.00000	-0.53952	113.75	0.0	0.0	0.0
	-6.00280	-28.49875	114.00000	-0.66907	113.75	0.0	0.0	0.0
	-5.00300	-28.49875	114.00000	-0.83518	113.75	0.0	0.0	0.0
	-4.00320	-28.49875	114.00000	-1.0517	113.75	0.0	0.0	0.0
	-3.00340	-28.49875	114.00000	-1.3398	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-2.00360	-28.49875	114.00000	-1.7340	113.75	0.0	0.0	0.0
	-1.00380	-28.49875	114.00000	-2.2962	113.75	0.0	0.0	0.0
	-0.00400	-28.49875	114.00000	-3.1596	113.75	0.0	0.0	0.0
	0.99580	-28.49875	114.00000	-4.7455	113.75	0.0	0.0	0.0
	1.99560	-28.49875	114.00000	-8.0756	113.75	0.0	0.0	0.0
	2.99540	-28.49875	114.00000	-9.9919	113.75	0.0	0.0	0.0
	3.99520	-28.49875	114.00000	-11.122	113.75	0.0	0.0	0.0
	4.99500	-28.49875	114.00000	-11.830	113.75	0.0	0.0	0.0
	-20.00000	-27.49938	114.00000	-0.020269	113.75	0.0	0.0	0.0
	-19.00020	-27.49938	114.00000	-0.031271	113.75	0.0	0.0	0.0
	-18.00040	-27.49938	114.00000	-0.044255	113.75	0.0	0.0	0.0
	-17.00060	-27.49938	114.00000	-0.059605	113.75	0.0	0.0	0.0
	-16.00080	-27.49938	114.00000	-0.077792	113.75	0.0	0.0	0.0
	-15.00100	-27.49938	114.00000	-0.099406	113.75	0.0	0.0	0.0
	-14.00120	-27.49938	114.00000	-0.12519	113.75	0.0	0.0	0.0
	-13.00140	-27.49938	114.00000	-0.15607	113.75	0.0	0.0	0.0
	-12.00160	-27.49938	114.00000	-0.19325	113.75	0.0	0.0	0.0
	-11.00180	-27.49938	114.00000	-0.23829	113.75	0.0	0.0	0.0
	-10.00200	-27.49938	114.00000	-0.29321	113.75	0.0	0.0	0.0
	-9.00220	-27.49938	114.00000	-0.36073	113.75	0.0	0.0	0.0
	-8.00240	-27.49938	114.00000	-0.44448	113.75	0.0	0.0	0.0
	-7.00260	-27.49938	114.00000	-0.54946	113.75	0.0	0.0	0.0
	-6.00280	-27.49938	114.00000	-0.68266	113.75	0.0	0.0	0.0
	-5.00300	-27.49938	114.00000	-0.85410	113.75	0.0	0.0	0.0
	-4.00320	-27.49938	114.00000	-1.0786	113.75	0.0	0.0	0.0
	-3.00340	-27.49938	114.00000	-1.3792	113.75	0.0	0.0	0.0
	-2.00360	-27.49938	114.00000	-1.7933	113.75	0.0	0.0	0.0
	-1.00380	-27.49938	114.00000	-2.3889	113.75	0.0	0.0	0.0
	-0.00400	-27.49938	114.00000	-3.3108	113.75	0.0	0.0	0.0
	0.99580	-27.49938	114.00000	-4.9854	113.75	0.0	0.0	0.0
	1.99560	-27.49938	114.00000	-8.2742	113.75	0.0	0.0	0.0
	2.99540	-27.49938	114.00000	-10.283	113.75	0.0	0.0	0.0
	3.99520	-27.49938	114.00000	-11.364	113.75	0.0	0.0	0.0
	4.99500	-27.49938	114.00000	-12.042	113.75	0.0	0.0	0.0
	-20.00000	-26.50000	114.00000	-0.020363	113.75	0.0	0.0	0.0
	-19.00020	-26.50000	114.00000	-0.031387	113.75	0.0	0.0	0.0
	-18.00040	-26.50000	114.00000	-0.044400	113.75	0.0	0.0	0.0
	-17.00060	-26.50000	114.00000	-0.059784	113.75	0.0	0.0	0.0
	-16.00080	-26.50000	114.00000	-0.078017	113.75	0.0	0.0	0.0
	-15.00100	-26.50000	114.00000	-0.099688	113.75	0.0	0.0	0.0
	-14.00120	-26.50000	114.00000	-0.12554	113.75	0.0	0.0	0.0
	-13.00140	-26.50000	114.00000	-0.15652	113.75	0.0	0.0	0.0
	-12.00160	-26.50000	114.00000	-0.19383	113.75	0.0	0.0	0.0
	-11.00180	-26.50000	114.00000	-0.23905	113.75	0.0	0.0	0.0
	-10.00200	-26.50000	114.00000	-0.29421	113.75	0.0	0.0	0.0
	-9.00220	-26.50000	114.00000	-0.36206	113.75	0.0	0.0	0.0
	-8.00240	-26.50000	114.00000	-0.44629	113.75	0.0	0.0	0.0
	-7.00260	-26.50000	114.00000	-0.55197	113.75	0.0	0.0	0.0
	-6.00280	-26.50000	114.00000	-0.68620	113.75	0.0	0.0	0.0
	-5.00300	-26.50000	114.00000	-0.85921	113.75	0.0	0.0	0.0
	-4.00320	-26.50000	114.00000	-1.0862	113.75	0.0	0.0	0.0
	-3.00340	-26.50000	114.00000	-1.3904	113.75	0.0	0.0	0.0
	-2.00360	-26.50000	114.00000	-1.8103	113.75	0.0	0.0	0.0
	-1.00380	-26.50000	114.00000	-2.4136	113.75	0.0	0.0	0.0
	-0.00400	-26.50000	114.00000	-3.3392	113.75	0.0	0.0	0.0
	0.99580	-26.50000	114.00000	-4.9767	113.75	0.0	0.0	0.0
	1.99560	-26.50000	114.00000	-8.3916	113.75	0.0	0.0	0.0
	2.99540	-26.50000	114.00000	-10.335	113.75	0.0	0.0	0.0
	3.99520	-26.50000	114.00000	-11.411	113.75	0.0	0.0	0.0
	4.99500	-26.50000	114.00000	-12.078	113.75	0.0	0.0	0.0
Grid 8	5.00000	-34.50000	112.00000	-4.1330	111.75	0.0	0.0	0.0
	6.00000	-34.50000	112.00000	-4.0828	111.75	0.0	0.0	0.0
	7.00000	-34.50000	112.00000	-3.7126	111.75	0.0	0.0	0.0
	8.00000	-34.50000	112.00000	-3.3572	111.75	0.0	0.0	0.0
	9.00000	-34.50000	112.00000	-3.0280	111.75	0.0	0.0	0.0
	10.00000	-34.50000	112.00000	-2.7236	111.75	0.0	0.0	0.0
	11.00000	-34.50000	112.00000	-2.4423	111.75	0.0	0.0	0.0
	12.00000	-34.50000	112.00000	-2.1824	111.75	0.0	0.0	0.0
	13.00000	-34.50000	112.00000	-1.9423	111.75	0.0	0.0	0.0
	14.00000	-34.50000	112.00000	-1.7206	111.75	0.0	0.0	0.0
	15.00000	-34.50000	112.00000	-1.5166	111.75	0.0	0.0	0.0
	16.00000	-34.50000	112.00000	-1.3294	111.75	0.0	0.0	0.0
	17.00000	-34.50000	112.00000	-1.1587	111.75	0.0	0.0	0.0
	18.00000	-34.50000	112.00000	-1.0042	111.75	0.0	0.0	0.0
	19.00000	-34.50000	112.00000	-0.86559	111.75	0.0	0.0	0.0
	20.00000	-34.50000	112.00000	-0.74235	111.75	0.0	0.0	0.0
	21.00000	-34.50000	112.00000	-0.63378	111.75	0.0	0.0	0.0
	22.00000	-34.50000	112.00000	-0.53893	111.75	0.0	0.0	0.0
	23.00000	-34.50000	112.00000	-0.45662	111.75	0.0	0.0	0.0
	24.00000	-34.50000	112.00000	-0.38557	111.75	0.0	0.0	0.0
	25.00000	-34.50000	112.00000	-0.32449	111.75	0.0	0.0	0.0
	26.00000	-34.50000	112.00000	-0.27210	111.75	0.0	0.0	0.0
	27.00000	-34.50000	112.00000	-0.22723	111.75	0.0	0.0	0.0
	28.00000	-34.50000	112.00000	-0.18882	111.75	0.0	0.0	0.0
	29.00000	-34.50000	112.00000	-0.15594	111.75	0.0	0.0	0.0
	30.00000	-34.50000	112.00000	-0.12778	111.75	0.0	0.0	0.0
	31.00000	-34.50000	112.00000	-0.10365	111.75	0.0	0.0	0.0
	32.00000	-34.50000	112.00000	-0.082956	111.75	0.0	0.0	0.0
	33.00000	-34.50000	112.00000	-0.065197	111.75	0.0	0.0	0.0
	34.00000	-34.50000	112.00000	-0.049948	111.75	0.0	0.0	0.0
	35.00000	-34.50000	112.00000	-0.036849	111.75	0.0	0.0	0.0
	36.00000	-34.50000	112.00000	-0.025595	111.75	0.0	0.0	0.0
	37.00000	-34.50000	112.00000	-0.015927	111.75	0.0	0.0	0.0
	38.00000	-34.50000	112.00000	-0.0076267	111.75	0.0	0.0	0.0
	39.00000	-34.50000	112.00000	-506.30E-6	111.75	0.0	0.0	0.0
	40.00000	-34.50000	112.00000	0.0055934	111.75	0.0	0.0	0.0
	41.00000	-34.50000	112.00000	0.010809	111.75	0.0	0.0	0.0
	42.00000	-34.50000	112.00000	0.015257	111.75	0.0	0.0	0.0
	43.00000	-34.50000	112.00000	0.019038	111.75	0.0	0.0	0.0
	44.00000	-34.50000	112.00000	0.022238	111.75	0.0	0.0	0.0
	45.00000	-34.50000	112.00000	0.024933	111.75	0.0	0.0	0.0
	46.00000	-34.50000	112.00000	0.027188	111.75	0.0	0.0	0.0
	47.00000	-34.50000	112.00000	0.029058	111.75	0.0	0.0	0.0
	48.00000	-34.50000	112.00000	0.030592	111.75	0.0	0.0	0.0
	49.00000	-34.50000	112.00000	0.031834	111.75	0.0	0.0	0.0
	50.00000	-34.50000	112.00000	0.032820	111.75	0.0	0.0	0.0
	5.00000	-33.50000	112.00000	-6.9897	111.75	0.0	0.0	0.0
	6.00000	-33.50000	112.00000	-7.2369	111.75	0.0	0.0	0.0
	7.00000	-33.50000	112.00000	-5.8700	111.75	0.0	0.0	0.0
	8.00000	-33.50000	112.00000	-4.8385	111.75	0.0	0.0	0.0
	9.00000	-33.50000	112.00000	-4.1435	111.75	0.0	0.0	0.0
	10.00000	-33.50000	112.00000	-3.6073	111.75	0.0	0.0	0.0
	11.00000	-33.50000	112.00000	-3.1607	111.75	0.0	0.0	0.0
	12.00000	-33.50000	112.00000	-2.7744	111.75	0.0	0.0	0.0
	13.00000	-33.50000	112.00000	-2.4334	111.75	0.0	0.0	0.0
	14.00000	-33.50000	112.00000	-2.1286	111.75	0.0	0.0	0.0
	15.00000	-33.50000	112.00000	-1.8547	111.75	0.0	0.0	0.0
	16.00000	-33.50000	112.00000	-1.6080	111.75	0.0	0.0	0.0
	17.00000	-33.50000	112.00000	-1.3866	111.75	0.0	0.0	0.0
	18.00000	-33.50000	112.00000	-1.1888	111.75	0.0	0.0	0.0
	19.00000	-33.50000	112.00000	-1.0138	111.75	0.0	0.0	0.0
	20.00000	-33.50000	112.00000	-0.86040	111.75	0.0	0.0	0.0
	21.00000	-33.50000	112.00000	-0.72723	111.75	0.0	0.0	0.0
	22.00000	-33.50000	112.00000	-0.61263	111.75	0.0	0.0	0.0
	23.00000	-33.50000	112.00000	-0.51468	111.75	0.0	0.0	0.0
	24.00000	-33.50000	112.00000	-0.43134	111.75	0.0	0.0	0.0
	25.00000	-33.50000	112.00000	-0.36065	111.75	0.0	0.0	0.0
	26.00000	-33.50000	112.00000	-0.30076	111.75	0.0	0.0	0.0
	27.00000	-33.50000	112.00000	-0.25004	111.75	0.0	0.0	0.0
	28.00000	-33.50000	112.00000	-0.20705	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	29.00000	-33.50000	112.00000	-0.17058	111.75	0.0	0.0	0.0
	30.00000	-33.50000	112.00000	-0.13959	111.75	0.0	0.0	0.0
	31.00000	-33.50000	112.00000	-0.11321	111.75	0.0	0.0	0.0
	32.00000	-33.50000	112.00000	-0.090730	111.75	0.0	0.0	0.0
	33.00000	-33.50000	112.00000	-0.071542	111.75	0.0	0.0	0.0
	34.00000	-33.50000	112.00000	-0.055142	111.75	0.0	0.0	0.0
	35.00000	-33.50000	112.00000	-0.041113	111.75	0.0	0.0	0.0
	36.00000	-33.50000	112.00000	-0.029104	111.75	0.0	0.0	0.0
	37.00000	-33.50000	112.00000	-0.018821	111.75	0.0	0.0	0.0
	38.00000	-33.50000	112.00000	-0.010016	111.75	0.0	0.0	0.0
	39.00000	-33.50000	112.00000	-0.0024802	111.75	0.0	0.0	0.0
	40.00000	-33.50000	112.00000	0.0039620	111.75	0.0	0.0	0.0
	41.00000	-33.50000	112.00000	0.0094610	111.75	0.0	0.0	0.0
	42.00000	-33.50000	112.00000	0.014144	111.75	0.0	0.0	0.0
	43.00000	-33.50000	112.00000	0.018122	111.75	0.0	0.0	0.0
	44.00000	-33.50000	112.00000	0.021486	111.75	0.0	0.0	0.0
	45.00000	-33.50000	112.00000	0.024318	111.75	0.0	0.0	0.0
	46.00000	-33.50000	112.00000	0.026687	111.75	0.0	0.0	0.0
	47.00000	-33.50000	112.00000	0.028653	111.75	0.0	0.0	0.0
	48.00000	-33.50000	112.00000	0.030268	111.75	0.0	0.0	0.0
	49.00000	-33.50000	112.00000	0.031578	111.75	0.0	0.0	0.0
	50.00000	-33.50000	112.00000	0.032621	111.75	0.0	0.0	0.0
	5.00000	-32.50000	112.00000	-8.7370	111.75	0.0	0.0	0.0
	6.00000	-32.50000	112.00000	-9.1943	111.75	0.0	0.0	0.0
	7.00000	-32.50000	112.00000	-8.9271	111.75	0.0	0.0	0.0
	8.00000	-32.50000	112.00000	-7.9265	111.75	0.0	0.0	0.0
	9.00000	-32.50000	112.00000	-6.0672	111.75	0.0	0.0	0.0
	10.00000	-32.50000	112.00000	-4.9634	111.75	0.0	0.0	0.0
	11.00000	-32.50000	112.00000	-4.1916	111.75	0.0	0.0	0.0
	12.00000	-32.50000	112.00000	-3.5892	111.75	0.0	0.0	0.0
	13.00000	-32.50000	112.00000	-3.0895	111.75	0.0	0.0	0.0
	14.00000	-32.50000	112.00000	-2.6611	111.75	0.0	0.0	0.0
	15.00000	-32.50000	112.00000	-2.2872	111.75	0.0	0.0	0.0
	16.00000	-32.50000	112.00000	-1.9576	111.75	0.0	0.0	0.0
	17.00000	-32.50000	112.00000	-1.6667	111.75	0.0	0.0	0.0
	18.00000	-32.50000	112.00000	-1.4109	111.75	0.0	0.0	0.0
	19.00000	-32.50000	112.00000	-1.1880	111.75	0.0	0.0	0.0
	20.00000	-32.50000	112.00000	-0.99571	111.75	0.0	0.0	0.0
	21.00000	-32.50000	112.00000	-0.83172	111.75	0.0	0.0	0.0
	22.00000	-32.50000	112.00000	-0.69311	111.75	0.0	0.0	0.0
	23.00000	-32.50000	112.00000	-0.57669	111.75	0.0	0.0	0.0
	24.00000	-32.50000	112.00000	-0.47926	111.75	0.0	0.0	0.0
	25.00000	-32.50000	112.00000	-0.39784	111.75	0.0	0.0	0.0
	26.00000	-32.50000	112.00000	-0.32979	111.75	0.0	0.0	0.0
	27.00000	-32.50000	112.00000	-0.27283	111.75	0.0	0.0	0.0
	28.00000	-32.50000	112.00000	-0.22506	111.75	0.0	0.0	0.0
	29.00000	-32.50000	112.00000	-0.18489	111.75	0.0	0.0	0.0
	30.00000	-32.50000	112.00000	-0.15103	111.75	0.0	0.0	0.0
	31.00000	-32.50000	112.00000	-0.12240	111.75	0.0	0.0	0.0
	32.00000	-32.50000	112.00000	-0.098156	111.75	0.0	0.0	0.0
	33.00000	-32.50000	112.00000	-0.077566	111.75	0.0	0.0	0.0
	34.00000	-32.50000	112.00000	-0.060049	111.75	0.0	0.0	0.0
	35.00000	-32.50000	112.00000	-0.045124	111.75	0.0	0.0	0.0
	36.00000	-32.50000	112.00000	-0.032392	111.75	0.0	0.0	0.0
	37.00000	-32.50000	112.00000	-0.021523	111.75	0.0	0.0	0.0
	38.00000	-32.50000	112.00000	-0.012240	111.75	0.0	0.0	0.0
	39.00000	-32.50000	112.00000	-0.0043135	111.75	0.0	0.0	0.0
	40.00000	-32.50000	112.00000	0.0024499	111.75	0.0	0.0	0.0
	41.00000	-32.50000	112.00000	0.0082139	111.75	0.0	0.0	0.0
	42.00000	-32.50000	112.00000	0.013117	111.75	0.0	0.0	0.0
	43.00000	-32.50000	112.00000	0.017276	111.75	0.0	0.0	0.0
	44.00000	-32.50000	112.00000	0.020792	111.75	0.0	0.0	0.0
	45.00000	-32.50000	112.00000	0.023750	111.75	0.0	0.0	0.0
	46.00000	-32.50000	112.00000	0.026225	111.75	0.0	0.0	0.0
	47.00000	-32.50000	112.00000	0.028280	111.75	0.0	0.0	0.0
	48.00000	-32.50000	112.00000	0.029969	111.75	0.0	0.0	0.0
	49.00000	-32.50000	112.00000	0.031340	111.75	0.0	0.0	0.0
	50.00000	-32.50000	112.00000	0.032435	111.75	0.0	0.0	0.0
	5.00000	-31.50000	112.00000	-9.9455	111.75	0.0	0.0	0.0
	6.00000	-31.50000	112.00000	-10.415	111.75	0.0	0.0	0.0
	7.00000	-31.50000	112.00000	-10.435	111.75	0.0	0.0	0.0
	8.00000	-31.50000	112.00000	-10.071	111.75	0.0	0.0	0.0
	9.00000	-31.50000	112.00000	-9.2641	111.75	0.0	0.0	0.0
	10.00000	-31.50000	112.00000	-7.7078	111.75	0.0	0.0	0.0
	11.00000	-31.50000	112.00000	-5.8786	111.75	0.0	0.0	0.0
	12.00000	-31.50000	112.00000	-4.8009	111.75	0.0	0.0	0.0
	13.00000	-31.50000	112.00000	-4.0128	111.75	0.0	0.0	0.0
	14.00000	-31.50000	112.00000	-3.3836	111.75	0.0	0.0	0.0
	15.00000	-31.50000	112.00000	-2.8574	111.75	0.0	0.0	0.0
	16.00000	-31.50000	112.00000	-2.4069	111.75	0.0	0.0	0.0
	17.00000	-31.50000	112.00000	-2.0175	111.75	0.0	0.0	0.0
	18.00000	-31.50000	112.00000	-1.6813	111.75	0.0	0.0	0.0
	19.00000	-31.50000	112.00000	-1.3935	111.75	0.0	0.0	0.0
	20.00000	-31.50000	112.00000	-1.1503	111.75	0.0	0.0	0.0
	21.00000	-31.50000	112.00000	-0.94741	111.75	0.0	0.0	0.0
	22.00000	-31.50000	112.00000	-0.77963	111.75	0.0	0.0	0.0
	23.00000	-31.50000	112.00000	-0.64163	111.75	0.0	0.0	0.0
	24.00000	-31.50000	112.00000	-0.52832	111.75	0.0	0.0	0.0
	25.00000	-31.50000	112.00000	-0.43519	111.75	0.0	0.0	0.0
	26.00000	-31.50000	112.00000	-0.35846	111.75	0.0	0.0	0.0
	27.00000	-31.50000	112.00000	-0.29502	111.75	0.0	0.0	0.0
	28.00000	-31.50000	112.00000	-0.24238	111.75	0.0	0.0	0.0
	29.00000	-31.50000	112.00000	-0.19851	111.75	0.0	0.0	0.0
	30.00000	-31.50000	112.00000	-0.16182	111.75	0.0	0.0	0.0
	31.00000	-31.50000	112.00000	-0.13101	111.75	0.0	0.0	0.0
	32.00000	-31.50000	112.00000	-0.10506	111.75	0.0	0.0	0.0
	33.00000	-31.50000	112.00000	-0.083139	111.75	0.0	0.0	0.0
	34.00000	-31.50000	112.00000	-0.064567	111.75	0.0	0.0	0.0
	35.00000	-31.50000	112.00000	-0.048801	111.75	0.0	0.0	0.0
	36.00000	-31.50000	112.00000	-0.035395	111.75	0.0	0.0	0.0
	37.00000	-31.50000	112.00000	-0.023982	111.75	0.0	0.0	0.0
	38.00000	-31.50000	112.00000	-0.014259	111.75	0.0	0.0	0.0
	39.00000	-31.50000	112.00000	-0.0059741	111.75	0.0	0.0	0.0
	40.00000	-31.50000	112.00000	0.0010830	111.75	0.0	0.0	0.0
	41.00000	-31.50000	112.00000	0.0070884	111.75	0.0	0.0	0.0
	42.00000	-31.50000	112.00000	0.012190	111.75	0.0	0.0	0.0
	43.00000	-31.50000	112.00000	0.016514	111.75	0.0	0.0	0.0
	44.00000	-31.50000	112.00000	0.020167	111.75	0.0	0.0	0.0
	45.00000	-31.50000	112.00000	0.023239	111.75	0.0	0.0	0.0
	46.00000	-31.50000	112.00000	0.025809	111.75	0.0	0.0	0.0
	47.00000	-31.50000	112.00000	0.027943	111.75	0.0	0.0	0.0
	48.00000	-31.50000	112.00000	0.029699	111.75	0.0	0.0	0.0
	49.00000	-31.50000	112.00000	0.031126	111.75	0.0	0.0	0.0
	50.00000	-31.50000	112.00000	0.032267	111.75	0.0	0.0	0.0
	5.00000	-30.50000	112.00000	-10.815	111.75	0.0	0.0	0.0
	6.00000	-30.50000	112.00000	-11.268	111.75	0.0	0.0	0.0
	7.00000	-30.50000	112.00000	-11.399	111.75	0.0	0.0	0.0
	8.00000	-30.50000	112.00000	-11.263	111.75	0.0	0.0	0.0
	9.00000	-30.50000	112.00000	-10.873	111.75	0.0	0.0	0.0
	10.00000	-30.50000	112.00000	-10.186	111.75	0.0	0.0	0.0
	11.00000	-30.50000	112.00000	-9.0612	111.75	0.0	0.0	0.0
	12.00000	-30.50000	112.00000	-7.0057	111.75	0.0	0.0	0.0
	13.00000	-30.50000	112.00000	-5.4747	111.75	0.0	0.0	0.0
	14.00000	-30.50000	112.00000	-4.4387	111.75	0.0	0.0	0.0
	15.00000	-30.50000	112.00000	-3.6498	111.75	0.0	0.0	0.0
	16.00000	-30.50000	112.00000	-3.0078	111.75	0.0	0.0	0.0
	17.00000	-30.50000	112.00000	-2.4699	111.75	0.0	0.0	0.0
	18.00000	-30.50000	112.00000	-2.0165	111.75	0.0	0.0	0.0
	19.00000	-30.50000	112.00000	-1.6375	111.75	0.0	0.0	0.0
	20.00000	-30.50000	112.00000	-1.3259	111.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	21.00000	-30.50000	112.00000	-1.0734	111.75	0.0	0.0	0.0
	22.00000	-30.50000	112.00000	-0.87047	111.75	0.0	0.0	0.0
	23.00000	-30.50000	112.00000	-0.70774	111.75	0.0	0.0	0.0
	24.00000	-30.50000	112.00000	-0.57699	111.75	0.0	0.0	0.0
	25.00000	-30.50000	112.00000	-0.47147	111.75	0.0	0.0	0.0
	26.00000	-30.50000	112.00000	-0.38583	111.75	0.0	0.0	0.0
	27.00000	-30.50000	112.00000	-0.31591	111.75	0.0	0.0	0.0
	28.00000	-30.50000	112.00000	-0.25849	111.75	0.0	0.0	0.0
	29.00000	-30.50000	112.00000	-0.21105	111.75	0.0	0.0	0.0
	30.00000	-30.50000	112.00000	-0.17167	111.75	0.0	0.0	0.0
	31.00000	-30.50000	112.00000	-0.13881	111.75	0.0	0.0	0.0
	32.00000	-30.50000	112.00000	-0.11128	111.75	0.0	0.0	0.0
	33.00000	-30.50000	112.00000	-0.088127	111.75	0.0	0.0	0.0
	34.00000	-30.50000	112.00000	-0.068591	111.75	0.0	0.0	0.0
	35.00000	-30.50000	112.00000	-0.052063	111.75	0.0	0.0	0.0
	36.00000	-30.50000	112.00000	-0.038050	111.75	0.0	0.0	0.0
	37.00000	-30.50000	112.00000	-0.026150	111.75	0.0	0.0	0.0
	38.00000	-30.50000	112.00000	-0.016035	111.75	0.0	0.0	0.0
	39.00000	-30.50000	112.00000	-0.0074309	111.75	0.0	0.0	0.0
	40.00000	-30.50000	112.00000	-114.04E-6	111.75	0.0	0.0	0.0
	41.00000	-30.50000	112.00000	0.0061040	111.75	0.0	0.0	0.0
	42.00000	-30.50000	112.00000	0.011381	111.75	0.0	0.0	0.0
	43.00000	-30.50000	112.00000	0.015849	111.75	0.0	0.0	0.0
	44.00000	-30.50000	112.00000	0.019622	111.75	0.0	0.0	0.0
	45.00000	-30.50000	112.00000	0.022793	111.75	0.0	0.0	0.0
	46.00000	-30.50000	112.00000	0.025446	111.75	0.0	0.0	0.0
	47.00000	-30.50000	112.00000	0.027649	111.75	0.0	0.0	0.0
	48.00000	-30.50000	112.00000	0.029462	111.75	0.0	0.0	0.0
	49.00000	-30.50000	112.00000	0.030937	111.75	0.0	0.0	0.0
	50.00000	-30.50000	112.00000	0.032119	111.75	0.0	0.0	0.0
	5.00000	-29.50000	112.00000	-11.430	111.75	0.0	0.0	0.0
	6.00000	-29.50000	112.00000	-11.866	111.75	0.0	0.0	0.0
	7.00000	-29.50000	112.00000	-12.050	111.75	0.0	0.0	0.0
	8.00000	-29.50000	112.00000	-12.029	111.75	0.0	0.0	0.0
	9.00000	-29.50000	112.00000	-11.820	111.75	0.0	0.0	0.0
	10.00000	-29.50000	112.00000	-11.424	111.75	0.0	0.0	0.0
	11.00000	-29.50000	112.00000	-10.810	111.75	0.0	0.0	0.0
	12.00000	-29.50000	112.00000	-9.9999	111.75	0.0	0.0	0.0
	13.00000	-29.50000	112.00000	-8.4872	111.75	0.0	0.0	0.0
	14.00000	-29.50000	112.00000	-6.2811	111.75	0.0	0.0	0.0
	15.00000	-29.50000	112.00000	-4.8776	111.75	0.0	0.0	0.0
	16.00000	-29.50000	112.00000	-3.8720	111.75	0.0	0.0	0.0
	17.00000	-29.50000	112.00000	-3.0839	111.75	0.0	0.0	0.0
	18.00000	-29.50000	112.00000	-2.4449	111.75	0.0	0.0	0.0
	19.00000	-29.50000	112.00000	-1.9296	111.75	0.0	0.0	0.0
	20.00000	-29.50000	112.00000	-1.5227	111.75	0.0	0.0	0.0
	21.00000	-29.50000	112.00000	-1.2067	111.75	0.0	0.0	0.0
	22.00000	-29.50000	112.00000	-0.96225	111.75	0.0	0.0	0.0
	23.00000	-29.50000	112.00000	-0.77219	111.75	0.0	0.0	0.0
	24.00000	-29.50000	112.00000	-0.62315	111.75	0.0	0.0	0.0
	25.00000	-29.50000	112.00000	-0.505513	111.75	0.0	0.0	0.0
	26.00000	-29.50000	112.00000	-0.41078	111.75	0.0	0.0	0.0
	27.00000	-29.50000	112.00000	-0.33468	111.75	0.0	0.0	0.0
	28.00000	-29.50000	112.00000	-0.27279	111.75	0.0	0.0	0.0
	29.00000	-29.50000	112.00000	-0.22208	111.75	0.0	0.0	0.0
	30.00000	-29.50000	112.00000	-0.18026	111.75	0.0	0.0	0.0
	31.00000	-29.50000	112.00000	-0.14557	111.75	0.0	0.0	0.0
	32.00000	-29.50000	112.00000	-0.11663	111.75	0.0	0.0	0.0
	33.00000	-29.50000	112.00000	-0.092400	111.75	0.0	0.0	0.0
	34.00000	-29.50000	112.00000	-0.072022	111.75	0.0	0.0	0.0
	35.00000	-29.50000	112.00000	-0.054834	111.75	0.0	0.0	0.0
	36.00000	-29.50000	112.00000	-0.040298	111.75	0.0	0.0	0.0
	37.00000	-29.50000	112.00000	-0.027981	111.75	0.0	0.0	0.0
	38.00000	-29.50000	112.00000	-0.017530	111.75	0.0	0.0	0.0
	39.00000	-29.50000	112.00000	-0.0086555	111.75	0.0	0.0	0.0
	40.00000	-29.50000	112.00000	-0.0011187	111.75	0.0	0.0	0.0
	41.00000	-29.50000	112.00000	0.0052790	111.75	0.0	0.0	0.0
	42.00000	-29.50000	112.00000	0.010703	111.75	0.0	0.0	0.0
	43.00000	-29.50000	112.00000	0.015293	111.75	0.0	0.0	0.0
	44.00000	-29.50000	112.00000	0.019165	111.75	0.0	0.0	0.0
	45.00000	-29.50000	112.00000	0.022420	111.75	0.0	0.0	0.0
	46.00000	-29.50000	112.00000	0.025142	111.75	0.0	0.0	0.0
	47.00000	-29.50000	112.00000	0.027402	111.75	0.0	0.0	0.0
	48.00000	-29.50000	112.00000	0.029263	111.75	0.0	0.0	0.0
	49.00000	-29.50000	112.00000	0.030779	111.75	0.0	0.0	0.0
	50.00000	-29.50000	112.00000	0.031994	111.75	0.0	0.0	0.0
	5.00000	-28.50000	112.00000	-11.832	111.75	0.0	0.0	0.0
	6.00000	-28.50000	112.00000	-12.257	111.75	0.0	0.0	0.0
	7.00000	-28.50000	112.00000	-12.472	111.75	0.0	0.0	0.0
	8.00000	-28.50000	112.00000	-12.516	111.75	0.0	0.0	0.0
	9.00000	-28.50000	112.00000	-12.410	111.75	0.0	0.0	0.0
	10.00000	-28.50000	112.00000	-12.160	111.75	0.0	0.0	0.0
	11.00000	-28.50000	112.00000	-11.762	111.75	0.0	0.0	0.0
	12.00000	-28.50000	112.00000	-11.191	111.75	0.0	0.0	0.0
	13.00000	-28.50000	112.00000	-10.400	111.75	0.0	0.0	0.0
	14.00000	-28.50000	112.00000	-9.2703	111.75	0.0	0.0	0.0
	15.00000	-28.50000	112.00000	-7.5032	111.75	0.0	0.0	0.0
	16.00000	-28.50000	112.00000	-5.3421	111.75	0.0	0.0	0.0
	17.00000	-28.50000	112.00000	-4.0095	111.75	0.0	0.0	0.0
	18.00000	-28.50000	112.00000	-3.0253	111.75	0.0	0.0	0.0
	19.00000	-28.50000	112.00000	-2.2820	111.75	0.0	0.0	0.0
	20.00000	-28.50000	112.00000	-1.7362	111.75	0.0	0.0	0.0
	21.00000	-28.50000	112.00000	-1.3402	111.75	0.0	0.0	0.0
	22.00000	-28.50000	112.00000	-1.0492	111.75	0.0	0.0	0.0
	23.00000	-28.50000	112.00000	-0.83090	111.75	0.0	0.0	0.0
	24.00000	-28.50000	112.00000	-0.66402	111.75	0.0	0.0	0.0
	25.00000	-28.50000	112.00000	-0.53431	111.75	0.0	0.0	0.0
	26.00000	-28.50000	112.00000	-0.43206	111.75	0.0	0.0	0.0
	27.00000	-28.50000	112.00000	-0.35047	111.75	0.0	0.0	0.0
	28.00000	-28.50000	112.00000	-0.28469	111.75	0.0	0.0	0.0
	29.00000	-28.50000	112.00000	-0.23117	111.75	0.0	0.0	0.0
	30.00000	-28.50000	112.00000	-0.18729	111.75	0.0	0.0	0.0
	31.00000	-28.50000	112.00000	-0.15105	111.75	0.0	0.0	0.0
	32.00000	-28.50000	112.00000	-0.12096	111.75	0.0	0.0	0.0
	33.00000	-28.50000	112.00000	-0.095834	111.75	0.0	0.0	0.0
	34.00000	-28.50000	112.00000	-0.074768	111.75	0.0	0.0	0.0
	35.00000	-28.50000	112.00000	-0.057043	111.75	0.0	0.0	0.0
	36.00000	-28.50000	112.00000	-0.042085	111.75	0.0	0.0	0.0
	37.00000	-28.50000	112.00000	-0.029432	111.75	0.0	0.0	0.0
	38.00000	-28.50000	112.00000	-0.018713	111.75	0.0	0.0	0.0
	39.00000	-28.50000	112.00000	-0.0096227	111.75	0.0	0.0	0.0
	40.00000	-28.50000	112.00000	-0.0019110	111.75	0.0	0.0	0.0
	41.00000	-28.50000	112.00000	0.0046290	111.75	0.0	0.0	0.0
	42.00000	-28.50000	112.00000	0.010170	111.75	0.0	0.0	0.0
	43.00000	-28.50000	112.00000	0.014855	111.75	0.0	0.0	0.0
	44.00000	-28.50000	112.00000	0.018806	111.75	0.0	0.0	0.0
	45.00000	-28.50000	112.00000	0.022126	111.75	0.0	0.0	0.0
	46.00000	-28.50000	112.00000	0.024902	111.75	0.0	0.0	0.0
	47.00000	-28.50000	112.00000	0.027207	111.75	0.0	0.0	0.0
	48.00000	-28.50000	112.00000	0.029106	111.75	0.0	0.0	0.0
	49.00000	-28.50000	112.00000	0.030652	111.75	0.0	0.0	0.0
	50.00000	-28.50000	112.00000	0.031894	111.75	0.0	0.0	0.0
	5.00000	-27.50000	112.00000	-12.045	111.75	0.0	0.0	0.0
	6.00000	-27.50000	112.00000	-12.466	111.75	0.0	0.0	0.0
	7.00000	-27.50000	112.00000	-12.700	111.75	0.0	0.0	0.0
	8.00000	-27.50000	112.00000	-12.784	111.75	0.0	0.0	0.0
	9.00000	-27.50000	112.00000	-12.741	111.75	0.0	0.0	0.0
	10.00000	-27.50000	112.00000	-12.581	111.75	0.0	0.0	0.0
	11.00000	-27.50000	112.00000	-12.302	111.75	0.0	0.0	0.0
	12.00000	-27.50000	112.00000	-11.895	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	13.00000	-27.50000	112.00000	-11.340	111.75	0.0	0.0	0.0
	14.00000	-27.50000	112.00000	-10.597	111.75	0.0	0.0	0.0
	15.00000	-27.50000	112.00000	-9.5953	111.75	0.0	0.0	0.0
	16.00000	-27.50000	112.00000	-8.1763	111.75	0.0	0.0	0.0
	17.00000	-27.50000	112.00000	-5.8287	111.75	0.0	0.0	0.0
	18.00000	-27.50000	112.00000	-3.9346	111.75	0.0	0.0	0.0
	19.00000	-27.50000	112.00000	-2.7056	111.75	0.0	0.0	0.0
	20.00000	-27.50000	112.00000	-1.9481	111.75	0.0	0.0	0.0
	21.00000	-27.50000	112.00000	-1.4597	111.75	0.0	0.0	0.0
	22.00000	-27.50000	112.00000	-1.1226	111.75	0.0	0.0	0.0
	23.00000	-27.50000	112.00000	-0.87870	111.75	0.0	0.0	0.0
	24.00000	-27.50000	112.00000	-0.69646	111.75	0.0	0.0	0.0
	25.00000	-27.50000	112.00000	-0.55703	111.75	0.0	0.0	0.0
	26.00000	-27.50000	112.00000	-0.44838	111.75	0.0	0.0	0.0
	27.00000	-27.50000	112.00000	-0.36243	111.75	0.0	0.0	0.0
	28.00000	-27.50000	112.00000	-0.29362	111.75	0.0	0.0	0.0
	29.00000	-27.50000	112.00000	-0.23793	111.75	0.0	0.0	0.0
	30.00000	-27.50000	112.00000	-0.19247	111.75	0.0	0.0	0.0
	31.00000	-27.50000	112.00000	-0.15508	111.75	0.0	0.0	0.0
	32.00000	-27.50000	112.00000	-0.12411	111.75	0.0	0.0	0.0
	33.00000	-27.50000	112.00000	-0.098324	111.75	0.0	0.0	0.0
	34.00000	-27.50000	112.00000	-0.076752	111.75	0.0	0.0	0.0
	35.00000	-27.50000	112.00000	-0.058633	111.75	0.0	0.0	0.0
	36.00000	-27.50000	112.00000	-0.043366	111.75	0.0	0.0	0.0
	37.00000	-27.50000	112.00000	-0.030470	111.75	0.0	0.0	0.0
	38.00000	-27.50000	112.00000	-0.019557	111.75	0.0	0.0	0.0
	39.00000	-27.50000	112.00000	-0.010312	111.75	0.0	0.0	0.0
	40.00000	-27.50000	112.00000	-0.0024749	111.75	0.0	0.0	0.0
	41.00000	-27.50000	112.00000	0.0041668	111.75	0.0	0.0	0.0
	42.00000	-27.50000	112.00000	0.0097902	111.75	0.0	0.0	0.0
	43.00000	-27.50000	112.00000	0.014543	111.75	0.0	0.0	0.0
	44.00000	-27.50000	112.00000	0.018551	111.75	0.0	0.0	0.0
	45.00000	-27.50000	112.00000	0.021917	111.75	0.0	0.0	0.0
	46.00000	-27.50000	112.00000	0.024730	111.75	0.0	0.0	0.0
	47.00000	-27.50000	112.00000	0.027067	111.75	0.0	0.0	0.0
	48.00000	-27.50000	112.00000	0.028992	111.75	0.0	0.0	0.0
	49.00000	-27.50000	112.00000	0.030561	111.75	0.0	0.0	0.0
	50.00000	-27.50000	112.00000	0.031821	111.75	0.0	0.0	0.0
	5.00000	-26.50000	112.00000	-12.080	111.75	0.0	0.0	0.0
	6.00000	-26.50000	112.00000	-12.498	111.75	0.0	0.0	0.0
	7.00000	-26.50000	112.00000	-12.742	111.75	0.0	0.0	0.0
	8.00000	-26.50000	112.00000	-12.852	111.75	0.0	0.0	0.0
	9.00000	-26.50000	112.00000	-12.851	111.75	0.0	0.0	0.0
	10.00000	-26.50000	112.00000	-12.749	111.75	0.0	0.0	0.0
	11.00000	-26.50000	112.00000	-12.548	111.75	0.0	0.0	0.0
	12.00000	-26.50000	112.00000	-12.239	111.75	0.0	0.0	0.0
	13.00000	-26.50000	112.00000	-11.806	111.75	0.0	0.0	0.0
	14.00000	-26.50000	112.00000	-11.221	111.75	0.0	0.0	0.0
	15.00000	-26.50000	112.00000	-10.445	111.75	0.0	0.0	0.0
	16.00000	-26.50000	112.00000	-9.4089	111.75	0.0	0.0	0.0
	17.00000	-26.50000	112.00000	-7.9791	111.75	0.0	0.0	0.0
	18.00000	-26.50000	112.00000	-5.8386	111.75	0.0	0.0	0.0
	19.00000	-26.50000	112.00000	-3.1240	111.75	0.0	0.0	0.0
	20.00000	-26.50000	112.00000	-2.1076	111.75	0.0	0.0	0.0
	21.00000	-26.50000	112.00000	-1.5430	111.75	0.0	0.0	0.0
	22.00000	-26.50000	112.00000	-1.1720	111.75	0.0	0.0	0.0
	23.00000	-26.50000	112.00000	-0.91015	111.75	0.0	0.0	0.0
	24.00000	-26.50000	112.00000	-0.71743	111.75	0.0	0.0	0.0
	25.00000	-26.50000	112.00000	-0.57150	111.75	0.0	0.0	0.0
	26.00000	-26.50000	112.00000	-0.45863	111.75	0.0	0.0	0.0
	27.00000	-26.50000	112.00000	-0.36986	111.75	0.0	0.0	0.0
	28.00000	-26.50000	112.00000	-0.29910	111.75	0.0	0.0	0.0
	29.00000	-26.50000	112.00000	-0.24204	111.75	0.0	0.0	0.0
	30.00000	-26.50000	112.00000	-0.19559	111.75	0.0	0.0	0.0
	31.00000	-26.50000	112.00000	-0.15748	111.75	0.0	0.0	0.0
	32.00000	-26.50000	112.00000	-0.12598	111.75	0.0	0.0	0.0
	33.00000	-26.50000	112.00000	-0.099790	111.75	0.0	0.0	0.0
	34.00000	-26.50000	112.00000	-0.077912	111.75	0.0	0.0	0.0
	35.00000	-26.50000	112.00000	-0.059558	111.75	0.0	0.0	0.0
	36.00000	-26.50000	112.00000	-0.044108	111.75	0.0	0.0	0.0
	37.00000	-26.50000	112.00000	-0.031069	111.75	0.0	0.0	0.0
	38.00000	-26.50000	112.00000	-0.020043	111.75	0.0	0.0	0.0
	39.00000	-26.50000	112.00000	-0.010707	111.75	0.0	0.0	0.0
	40.00000	-26.50000	112.00000	-0.0027982	111.75	0.0	0.0	0.0
	41.00000	-26.50000	112.00000	0.0039017	111.75	0.0	0.0	0.0
	42.00000	-26.50000	112.00000	0.0095725	111.75	0.0	0.0	0.0
	43.00000	-26.50000	112.00000	0.014364	111.75	0.0	0.0	0.0
	44.00000	-26.50000	112.00000	0.018403	111.75	0.0	0.0	0.0
	45.00000	-26.50000	112.00000	0.021795	111.75	0.0	0.0	0.0
	46.00000	-26.50000	112.00000	0.024630	111.75	0.0	0.0	0.0
	47.00000	-26.50000	112.00000	0.026985	111.75	0.0	0.0	0.0
	48.00000	-26.50000	112.00000	0.028925	111.75	0.0	0.0	0.0
	49.00000	-26.50000	112.00000	0.030506	111.75	0.0	0.0	0.0
	50.00000	-26.50000	112.00000	0.031776	111.75	0.0	0.0	0.0
Grid 9	-20.00000	-50.00000	112.00000	0.025517	111.75	0.0	0.0	0.0
	-19.00000	-50.00000	112.00000	0.023528	111.75	0.0	0.0	0.0
	-18.00000	-50.00000	112.00000	0.021281	111.75	0.0	0.0	0.0
	-17.00000	-50.00000	112.00000	0.018759	111.75	0.0	0.0	0.0
	-16.00000	-50.00000	112.00000	0.015946	111.75	0.0	0.0	0.0
	-15.00000	-50.00000	112.00000	0.012829	111.75	0.0	0.0	0.0
	-14.00000	-50.00000	112.00000	0.0093940	111.75	0.0	0.0	0.0
	-13.00000	-50.00000	112.00000	0.0056321	111.75	0.0	0.0	0.0
	-12.00000	-50.00000	112.00000	0.0015364	111.75	0.0	0.0	0.0
	-11.00000	-50.00000	112.00000	-0.0028954	111.75	0.0	0.0	0.0
	-10.00000	-50.00000	112.00000	-0.0076598	111.75	0.0	0.0	0.0
	-9.00000	-50.00000	112.00000	-0.012747	111.75	0.0	0.0	0.0
	-8.00000	-50.00000	112.00000	-0.018139	111.75	0.0	0.0	0.0
	-7.00000	-50.00000	112.00000	-0.023809	111.75	0.0	0.0	0.0
	-6.00000	-50.00000	112.00000	-0.029718	111.75	0.0	0.0	0.0
	-5.00000	-50.00000	112.00000	-0.035818	111.75	0.0	0.0	0.0
	-4.00000	-50.00000	112.00000	-0.042047	111.75	0.0	0.0	0.0
	-3.00000	-50.00000	112.00000	-0.048330	111.75	0.0	0.0	0.0
	-2.00000	-50.00000	112.00000	-0.054581	111.75	0.0	0.0	0.0
	-1.00000	-50.00000	112.00000	-0.060701	111.75	0.0	0.0	0.0
	0.00000	-50.00000	112.00000	-0.066585	111.75	0.0	0.0	0.0
	1.00000	-50.00000	112.00000	-0.072120	111.75	0.0	0.0	0.0
	2.00000	-50.00000	112.00000	-0.077190	111.75	0.0	0.0	0.0
	3.00000	-50.00000	112.00000	-0.081686	111.75	0.0	0.0	0.0
	4.00000	-50.00000	112.00000	-0.085503	111.75	0.0	0.0	0.0
	5.00000	-50.00000	112.00000	-0.088553	111.75	0.0	0.0	0.0
	6.00000	-50.00000	112.00000	-0.090766	111.75	0.0	0.0	0.0
	7.00000	-50.00000	112.00000	-0.092091	111.75	0.0	0.0	0.0
	8.00000	-50.00000	112.00000	-0.092505	111.75	0.0	0.0	0.0
	9.00000	-50.00000	112.00000	-0.092009	111.75	0.0	0.0	0.0
	10.00000	-50.00000	112.00000	-0.090626	111.75	0.0	0.0	0.0
	11.00000	-50.00000	112.00000	-0.088403	111.75	0.0	0.0	0.0
	12.00000	-50.00000	112.00000	-0.085405	111.75	0.0	0.0	0.0
	13.00000	-50.00000	112.00000	-0.081710	111.75	0.0	0.0	0.0
	14.00000	-50.00000	112.00000	-0.077410	111.75	0.0	0.0	0.0
	15.00000	-50.00000	112.00000	-0.072598	111.75	0.0	0.0	0.0
	16.00000	-50.00000	112.00000	-0.067374	111.75	0.0	0.0	0.0
	17.00000	-50.00000	112.00000	-0.061835	111.75	0.0	0.0	0.0
	18.00000	-50.00000	112.00000	-0.056075	111.75	0.0	0.0	0.0
	19.00000	-50.00000	112.00000	-0.050181	111.75	0.0	0.0	0.0
	20.00000	-50.00000	112.00000	-0.044235	111.75	0.0	0.0	0.0
	21.00000	-50.00000	112.00000	-0.038309	111.75	0.0	0.0	0.0
	22.00000	-50.00000	112.00000	-0.032467	111.75	0.0	0.0	0.0
	23.00000	-50.00000	112.00000	-0.026764	111.75	0.0	0.0	0.0
	24.00000	-50.00000	112.00000	-0.021246	111.75	0.0	0.0	0.0
	25.00000	-50.00000	112.00000	-0.015949	111.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	26.00000	-50.00000	112.00000	-0.010904	111.75	0.0	0.0	0.0
	27.00000	-50.00000	112.00000	-0.0061307	111.75	0.0	0.0	0.0
	28.00000	-50.00000	112.00000	-0.0016454	111.75	0.0	0.0	0.0
	29.00000	-50.00000	112.00000	0.0025431	111.75	0.0	0.0	0.0
	30.00000	-50.00000	112.00000	0.0064309	111.75	0.0	0.0	0.0
	31.00000	-50.00000	112.00000	0.010018	111.75	0.0	0.0	0.0
	32.00000	-50.00000	112.00000	0.013310	111.75	0.0	0.0	0.0
	33.00000	-50.00000	112.00000	0.016312	111.75	0.0	0.0	0.0
	34.00000	-50.00000	112.00000	0.019034	111.75	0.0	0.0	0.0
	35.00000	-50.00000	112.00000	0.021488	111.75	0.0	0.0	0.0
	36.00000	-50.00000	112.00000	0.023685	111.75	0.0	0.0	0.0
	37.00000	-50.00000	112.00000	0.025640	111.75	0.0	0.0	0.0
	38.00000	-50.00000	112.00000	0.027366	111.75	0.0	0.0	0.0
	39.00000	-50.00000	112.00000	0.028877	111.75	0.0	0.0	0.0
	40.00000	-50.00000	112.00000	0.030188	111.75	0.0	0.0	0.0
	41.00000	-50.00000	112.00000	0.031312	111.75	0.0	0.0	0.0
	42.00000	-50.00000	112.00000	0.032264	111.75	0.0	0.0	0.0
	43.00000	-50.00000	112.00000	0.033057	111.75	0.0	0.0	0.0
	44.00000	-50.00000	112.00000	0.033704	111.75	0.0	0.0	0.0
	45.00000	-50.00000	112.00000	0.034216	111.75	0.0	0.0	0.0
	46.00000	-50.00000	112.00000	0.034606	111.75	0.0	0.0	0.0
	47.00000	-50.00000	112.00000	0.034885	111.75	0.0	0.0	0.0
	48.00000	-50.00000	112.00000	0.035062	111.75	0.0	0.0	0.0
	49.00000	-50.00000	112.00000	0.035148	111.75	0.0	0.0	0.0
	50.00000	-50.00000	112.00000	0.035151	111.75	0.0	0.0	0.0
	-20.00000	-48.96667	112.00000	0.023832	111.75	0.0	0.0	0.0
	-19.00000	-48.96667	112.00000	0.021547	111.75	0.0	0.0	0.0
	-18.00000	-48.96667	112.00000	0.018963	111.75	0.0	0.0	0.0
	-17.00000	-48.96667	112.00000	0.016061	111.75	0.0	0.0	0.0
	-16.00000	-48.96667	112.00000	0.012819	111.75	0.0	0.0	0.0
	-15.00000	-48.96667	112.00000	0.0092187	111.75	0.0	0.0	0.0
	-14.00000	-48.96667	112.00000	0.0052423	111.75	0.0	0.0	0.0
	-13.00000	-48.96667	112.00000	874.45E-6	111.75	0.0	0.0	0.0
	-12.00000	-48.96667	112.00000	-0.0038964	111.75	0.0	0.0	0.0
	-11.00000	-48.96667	112.00000	-0.0090772	111.75	0.0	0.0	0.0
	-10.00000	-48.96667	112.00000	-0.014669	111.75	0.0	0.0	0.0
	-9.00000	-48.96667	112.00000	-0.020664	111.75	0.0	0.0	0.0
	-8.00000	-48.96667	112.00000	-0.027047	111.75	0.0	0.0	0.0
	-7.00000	-48.96667	112.00000	-0.033790	111.75	0.0	0.0	0.0
	-6.00000	-48.96667	112.00000	-0.040852	111.75	0.0	0.0	0.0
	-5.00000	-48.96667	112.00000	-0.048177	111.75	0.0	0.0	0.0
	-4.00000	-48.96667	112.00000	-0.055695	111.75	0.0	0.0	0.0
	-3.00000	-48.96667	112.00000	-0.063315	111.75	0.0	0.0	0.0
	-2.00000	-48.96667	112.00000	-0.070933	111.75	0.0	0.0	0.0
	-1.00000	-48.96667	112.00000	-0.078426	111.75	0.0	0.0	0.0
	0.00000	-48.96667	112.00000	-0.085659	111.75	0.0	0.0	0.0
	1.00000	-48.96667	112.00000	-0.092487	111.75	0.0	0.0	0.0
	2.00000	-48.96667	112.00000	-0.098761	111.75	0.0	0.0	0.0
	3.00000	-48.96667	112.00000	-0.10434	111.75	0.0	0.0	0.0
	4.00000	-48.96667	112.00000	-0.10907	111.75	0.0	0.0	0.0
	5.00000	-48.96667	112.00000	-0.11285	111.75	0.0	0.0	0.0
	6.00000	-48.96667	112.00000	-0.11559	111.75	0.0	0.0	0.0
	7.00000	-48.96667	112.00000	-0.11721	111.75	0.0	0.0	0.0
	8.00000	-48.96667	112.00000	-0.11768	111.75	0.0	0.0	0.0
	9.00000	-48.96667	112.00000	-0.11702	111.75	0.0	0.0	0.0
	10.00000	-48.96667	112.00000	-0.11525	111.75	0.0	0.0	0.0
	11.00000	-48.96667	112.00000	-0.11244	111.75	0.0	0.0	0.0
	12.00000	-48.96667	112.00000	-0.10868	111.75	0.0	0.0	0.0
	13.00000	-48.96667	112.00000	-0.10407	111.75	0.0	0.0	0.0
	14.00000	-48.96667	112.00000	-0.098737	111.75	0.0	0.0	0.0
	15.00000	-48.96667	112.00000	-0.092795	111.75	0.0	0.0	0.0
	16.00000	-48.96667	112.00000	-0.086376	111.75	0.0	0.0	0.0
	17.00000	-48.96667	112.00000	-0.079601	111.75	0.0	0.0	0.0
	18.00000	-48.96667	112.00000	-0.072587	111.75	0.0	0.0	0.0
	19.00000	-48.96667	112.00000	-0.065444	111.75	0.0	0.0	0.0
	20.00000	-48.96667	112.00000	-0.058269	111.75	0.0	0.0	0.0
	21.00000	-48.96667	112.00000	-0.051149	111.75	0.0	0.0	0.0
	22.00000	-48.96667	112.00000	-0.044159	111.75	0.0	0.0	0.0
	23.00000	-48.96667	112.00000	-0.037364	111.75	0.0	0.0	0.0
	24.00000	-48.96667	112.00000	-0.030814	111.75	0.0	0.0	0.0
	25.00000	-48.96667	112.00000	-0.024551	111.75	0.0	0.0	0.0
	26.00000	-48.96667	112.00000	-0.018606	111.75	0.0	0.0	0.0
	27.00000	-48.96667	112.00000	-0.013002	111.75	0.0	0.0	0.0
	28.00000	-48.96667	112.00000	-0.0077526	111.75	0.0	0.0	0.0
	29.00000	-48.96667	112.00000	-0.0028650	111.75	0.0	0.0	0.0
	30.00000	-48.96667	112.00000	0.0016592	111.75	0.0	0.0	0.0
	31.00000	-48.96667	112.00000	0.0058236	111.75	0.0	0.0	0.0
	32.00000	-48.96667	112.00000	0.0096358	111.75	0.0	0.0	0.0
	33.00000	-48.96667	112.00000	0.013107	111.75	0.0	0.0	0.0
	34.00000	-48.96667	112.00000	0.016249	111.75	0.0	0.0	0.0
	35.00000	-48.96667	112.00000	0.019078	111.75	0.0	0.0	0.0
	36.00000	-48.96667	112.00000	0.021611	111.75	0.0	0.0	0.0
	37.00000	-48.96667	112.00000	0.023863	111.75	0.0	0.0	0.0
	38.00000	-48.96667	112.00000	0.025853	111.75	0.0	0.0	0.0
	39.00000	-48.96667	112.00000	0.027598	111.75	0.0	0.0	0.0
	40.00000	-48.96667	112.00000	0.029115	111.75	0.0	0.0	0.0
	41.00000	-48.96667	112.00000	0.030421	111.75	0.0	0.0	0.0
	42.00000	-48.96667	112.00000	0.031533	111.75	0.0	0.0	0.0
	43.00000	-48.96667	112.00000	0.032465	111.75	0.0	0.0	0.0
	44.00000	-48.96667	112.00000	0.033234	111.75	0.0	0.0	0.0
	45.00000	-48.96667	112.00000	0.033853	111.75	0.0	0.0	0.0
	46.00000	-48.96667	112.00000	0.034336	111.75	0.0	0.0	0.0
	47.00000	-48.96667	112.00000	0.034695	111.75	0.0	0.0	0.0
	48.00000	-48.96667	112.00000	0.034942	111.75	0.0	0.0	0.0
	49.00000	-48.96667	112.00000	0.035088	111.75	0.0	0.0	0.0
	50.00000	-48.96667	112.00000	0.035142	111.75	0.0	0.0	0.0
	-20.00000	-47.93333	112.00000	0.021991	111.75	0.0	0.0	0.0
	-19.00000	-47.93333	112.00000	0.019381	111.75	0.0	0.0	0.0
	-18.00000	-47.93333	112.00000	0.016428	111.75	0.0	0.0	0.0
	-17.00000	-47.93333	112.00000	0.013105	111.75	0.0	0.0	0.0
	-16.00000	-47.93333	112.00000	0.0093860	111.75	0.0	0.0	0.0
	-15.00000	-47.93333	112.00000	0.0052459	111.75	0.0	0.0	0.0
	-14.00000	-47.93333	112.00000	660.03E-6	111.75	0.0	0.0	0.0
	-13.00000	-47.93333	112.00000	-0.0043937	111.75	0.0	0.0	0.0
	-12.00000	-47.93333	112.00000	-0.0099340	111.75	0.0	0.0	0.0
	-11.00000	-47.93333	112.00000	-0.015975	111.75	0.0	0.0	0.0
	-10.00000	-47.93333	112.00000	-0.022522	111.75	0.0	0.0	0.0
	-9.00000	-47.93333	112.00000	-0.029576	111.75	0.0	0.0	0.0
	-8.00000	-47.93333	112.00000	-0.037123	111.75	0.0	0.0	0.0
	-7.00000	-47.93333	112.00000	-0.045138	111.75	0.0	0.0	0.0
	-6.00000	-47.93333	112.00000	-0.053577	111.75	0.0	0.0	0.0
	-5.00000	-47.93333	112.00000	-0.062380	111.75	0.0	0.0	0.0
	-4.00000	-47.93333	112.00000	-0.071465	111.75	0.0	0.0	0.0
	-3.00000	-47.93333	112.00000	-0.080727	111.75	0.0	0.0	0.0
	-2.00000	-47.93333	112.00000	-0.090036	111.75	0.0	0.0	0.0
	-1.00000	-47.93333	112.00000	-0.099241	111.75	0.0	0.0	0.0
	0.00000	-47.93333	112.00000	-0.10817	111.75	0.0	0.0	0.0
	1.00000	-47.93333	112.00000	-0.11663	111.75	0.0	0.0	0.0
	2.00000	-47.93333	112.00000	-0.12444	111.75	0.0	0.0	0.0
	3.00000	-47.93333	112.00000	-0.13139	111.75	0.0	0.0	0.0
	4.00000	-47.93333	112.00000	-0.13730	111.75	0.0	0.0	0.0
	5.00000	-47.93333	112.00000	-0.14201	111.75	0.0	0.0	0.0
	6.00000	-47.93333	112.00000	-0.14540	111.75	0.0	0.0	0.0
	7.00000	-47.93333	112.00000	-0.14739	111.75	0.0	0.0	0.0
	8.00000	-47.93333	112.00000	-0.14793	111.75	0.0	0.0	0.0
	9.00000	-47.93333	112.00000	-0.14703	111.75	0.0	0.0	0.0
	10.00000	-47.93333	112.00000	-0.14475	111.75	0.0	0.0	0.0
	11.00000	-47.93333	112.00000	-0.14117	111.75	0.0	0.0	0.0
	12.00000	-47.93333	112.00000	-0.13642	111.75	0.0	0.0	0.0
	13.00000	-47.93333	112.00000	-0.13064	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	14.00000	-47.93333	112.00000	-0.12398	111.75	0.0	0.0	0.0
	15.00000	-47.93333	112.00000	-0.11662	111.75	0.0	0.0	0.0
	16.00000	-47.93333	112.00000	-0.10870	111.75	0.0	0.0	0.0
	17.00000	-47.93333	112.00000	-0.10039	111.75	0.0	0.0	0.0
	18.00000	-47.93333	112.00000	-0.091829	111.75	0.0	0.0	0.0
	19.00000	-47.93333	112.00000	-0.083155	111.75	0.0	0.0	0.0
	20.00000	-47.93333	112.00000	-0.074486	111.75	0.0	0.0	0.0
	21.00000	-47.93333	112.00000	-0.065924	111.75	0.0	0.0	0.0
	22.00000	-47.93333	112.00000	-0.057558	111.75	0.0	0.0	0.0
	23.00000	-47.93333	112.00000	-0.049460	111.75	0.0	0.0	0.0
	24.00000	-47.93333	112.00000	-0.041689	111.75	0.0	0.0	0.0
	25.00000	-47.93333	112.00000	-0.034289	111.75	0.0	0.0	0.0
	26.00000	-47.93333	112.00000	-0.027294	111.75	0.0	0.0	0.0
	27.00000	-47.93333	112.00000	-0.020724	111.75	0.0	0.0	0.0
	28.00000	-47.93333	112.00000	-0.014592	111.75	0.0	0.0	0.0
	29.00000	-47.93333	112.00000	-0.0089017	111.75	0.0	0.0	0.0
	30.00000	-47.93333	112.00000	-0.0036512	111.75	0.0	0.0	0.0
	31.00000	-47.93333	112.00000	0.0011679	111.75	0.0	0.0	0.0
	32.00000	-47.93333	112.00000	0.0055680	111.75	0.0	0.0	0.0
	33.00000	-47.93333	112.00000	0.0095650	111.75	0.0	0.0	0.0
	34.00000	-47.93333	112.00000	0.013177	111.75	0.0	0.0	0.0
	35.00000	-47.93333	112.00000	0.016424	111.75	0.0	0.0	0.0
	36.00000	-47.93333	112.00000	0.019327	111.75	0.0	0.0	0.0
	37.00000	-47.93333	112.00000	0.021908	111.75	0.0	0.0	0.0
	38.00000	-47.93333	112.00000	0.024188	111.75	0.0	0.0	0.0
	39.00000	-47.93333	112.00000	0.026188	111.75	0.0	0.0	0.0
	40.00000	-47.93333	112.00000	0.027930	111.75	0.0	0.0	0.0
	41.00000	-47.93333	112.00000	0.029434	111.75	0.0	0.0	0.0
	42.00000	-47.93333	112.00000	0.030718	111.75	0.0	0.0	0.0
	43.00000	-47.93333	112.00000	0.031802	111.75	0.0	0.0	0.0
	44.00000	-47.93333	112.00000	0.032703	111.75	0.0	0.0	0.0
	45.00000	-47.93333	112.00000	0.033436	111.75	0.0	0.0	0.0
	46.00000	-47.93333	112.00000	0.034019	111.75	0.0	0.0	0.0
	47.00000	-47.93333	112.00000	0.034464	111.75	0.0	0.0	0.0
	48.00000	-47.93333	112.00000	0.034785	111.75	0.0	0.0	0.0
	49.00000	-47.93333	112.00000	0.034995	111.75	0.0	0.0	0.0
	50.00000	-47.93333	112.00000	0.035105	111.75	0.0	0.0	0.0
	-20.00000	-46.90000	112.00000	0.019997	111.75	0.0	0.0	0.0
	-19.00000	-46.90000	112.00000	0.017033	111.75	0.0	0.0	0.0
	-18.00000	-46.90000	112.00000	0.013675	111.75	0.0	0.0	0.0
	-17.00000	-46.90000	112.00000	0.0098887	111.75	0.0	0.0	0.0
	-16.00000	-46.90000	112.00000	0.0056421	111.75	0.0	0.0	0.0
	-15.00000	-46.90000	112.00000	900.96E-6	111.75	0.0	0.0	0.0
	-14.00000	-46.90000	112.00000	-0.0043677	111.75	0.0	0.0	0.0
	-13.00000	-46.90000	112.00000	-0.010195	111.75	0.0	0.0	0.0
	-12.00000	-46.90000	112.00000	-0.016610	111.75	0.0	0.0	0.0
	-11.00000	-46.90000	112.00000	-0.023634	111.75	0.0	0.0	0.0
	-10.00000	-46.90000	112.00000	-0.031286	111.75	0.0	0.0	0.0
	-9.00000	-46.90000	112.00000	-0.039571	111.75	0.0	0.0	0.0
	-8.00000	-46.90000	112.00000	-0.048485	111.75	0.0	0.0	0.0
	-7.00000	-46.90000	112.00000	-0.058006	111.75	0.0	0.0	0.0
	-6.00000	-46.90000	112.00000	-0.068093	111.75	0.0	0.0	0.0
	-5.00000	-46.90000	112.00000	-0.078681	111.75	0.0	0.0	0.0
	-4.00000	-46.90000	112.00000	-0.089677	111.75	0.0	0.0	0.0
	-3.00000	-46.90000	112.00000	-0.10096	111.75	0.0	0.0	0.0
	-2.00000	-46.90000	112.00000	-0.11237	111.75	0.0	0.0	0.0
	-1.00000	-46.90000	112.00000	-0.12372	111.75	0.0	0.0	0.0
	0.00000	-46.90000	112.00000	-0.13480	111.75	0.0	0.0	0.0
	1.00000	-46.90000	112.00000	-0.14535	111.75	0.0	0.0	0.0
	2.00000	-46.90000	112.00000	-0.15511	111.75	0.0	0.0	0.0
	3.00000	-46.90000	112.00000	-0.16383	111.75	0.0	0.0	0.0
	4.00000	-46.90000	112.00000	-0.17126	111.75	0.0	0.0	0.0
	5.00000	-46.90000	112.00000	-0.17718	111.75	0.0	0.0	0.0
	6.00000	-46.90000	112.00000	-0.18141	111.75	0.0	0.0	0.0
	7.00000	-46.90000	112.00000	-0.18385	111.75	0.0	0.0	0.0
	8.00000	-46.90000	112.00000	-0.18445	111.75	0.0	0.0	0.0
	9.00000	-46.90000	112.00000	-0.18322	111.75	0.0	0.0	0.0
	10.00000	-46.90000	112.00000	-0.18024	111.75	0.0	0.0	0.0
	11.00000	-46.90000	112.00000	-0.17565	111.75	0.0	0.0	0.0
	12.00000	-46.90000	112.00000	-0.16960	111.75	0.0	0.0	0.0
	13.00000	-46.90000	112.00000	-0.16230	111.75	0.0	0.0	0.0
	14.00000	-46.90000	112.00000	-0.15395	111.75	0.0	0.0	0.0
	15.00000	-46.90000	112.00000	-0.14477	111.75	0.0	0.0	0.0
	16.00000	-46.90000	112.00000	-0.13497	111.75	0.0	0.0	0.0
	17.00000	-46.90000	112.00000	-0.12474	111.75	0.0	0.0	0.0
	18.00000	-46.90000	112.00000	-0.11427	111.75	0.0	0.0	0.0
	19.00000	-46.90000	112.00000	-0.10371	111.75	0.0	0.0	0.0
	20.00000	-46.90000	112.00000	-0.093221	111.75	0.0	0.0	0.0
	21.00000	-46.90000	112.00000	-0.082913	111.75	0.0	0.0	0.0
	22.00000	-46.90000	112.00000	-0.072893	111.75	0.0	0.0	0.0
	23.00000	-46.90000	112.00000	-0.063242	111.75	0.0	0.0	0.0
	24.00000	-46.90000	112.00000	-0.054024	111.75	0.0	0.0	0.0
	25.00000	-46.90000	112.00000	-0.045287	111.75	0.0	0.0	0.0
	26.00000	-46.90000	112.00000	-0.037063	111.75	0.0	0.0	0.0
	27.00000	-46.90000	112.00000	-0.029372	111.75	0.0	0.0	0.0
	28.00000	-46.90000	112.00000	-0.022222	111.75	0.0	0.0	0.0
	29.00000	-46.90000	112.00000	-0.015612	111.75	0.0	0.0	0.0
	30.00000	-46.90000	112.00000	-0.0095341	111.75	0.0	0.0	0.0
	31.00000	-46.90000	112.00000	-0.0039736	111.75	0.0	0.0	0.0
	32.00000	-46.90000	112.00000	0.0010886	111.75	0.0	0.0	0.0
	33.00000	-46.90000	112.00000	0.0056749	111.75	0.0	0.0	0.0
	34.00000	-46.90000	112.00000	0.0098101	111.75	0.0	0.0	0.0
	35.00000	-46.90000	112.00000	0.013520	111.75	0.0	0.0	0.0
	36.00000	-46.90000	112.00000	0.016832	111.75	0.0	0.0	0.0
	37.00000	-46.90000	112.00000	0.019774	111.75	0.0	0.0	0.0
	38.00000	-46.90000	112.00000	0.022370	111.75	0.0	0.0	0.0
	39.00000	-46.90000	112.00000	0.024649	111.75	0.0	0.0	0.0
	40.00000	-46.90000	112.00000	0.026635	111.75	0.0	0.0	0.0
	41.00000	-46.90000	112.00000	0.028352	111.75	0.0	0.0	0.0
	42.00000	-46.90000	112.00000	0.029822	111.75	0.0	0.0	0.0
	43.00000	-46.90000	112.00000	0.031069	111.75	0.0	0.0	0.0
	44.00000	-46.90000	112.00000	0.032111	111.75	0.0	0.0	0.0
	45.00000	-46.90000	112.00000	0.032967	111.75	0.0	0.0	0.0
	46.00000	-46.90000	112.00000	0.033656	111.75	0.0	0.0	0.0
	47.00000	-46.90000	112.00000	0.034193	111.75	0.0	0.0	0.0
	48.00000	-46.90000	112.00000	0.034593	111.75	0.0	0.0	0.0
	49.00000	-46.90000	112.00000	0.034871	111.75	0.0	0.0	0.0
	50.00000	-46.90000	112.00000	0.035039	111.75	0.0	0.0	0.0
	-20.00000	-45.86667	112.00000	0.017854	111.75	0.0	0.0	0.0
	-19.00000	-45.86667	112.00000	0.014507	111.75	0.0	0.0	0.0
	-18.00000	-45.86667	112.00000	0.010707	111.75	0.0	0.0	0.0
	-17.00000	-45.86667	112.00000	0.0064148	111.75	0.0	0.0	0.0
	-16.00000	-45.86667	112.00000	0.0015868	111.75	0.0	0.0	0.0
	-15.00000	-45.86667	112.00000	-0.0038204	111.75	0.0	0.0	0.0
	-14.00000	-45.86667	112.00000	-0.0098507	111.75	0.0	0.0	0.0
	-13.00000	-45.86667	112.00000	-0.016547	111.75	0.0	0.0	0.0
	-12.00000	-45.86667	112.00000	-0.023951	111.75	0.0	0.0	0.0
	-11.00000	-45.86667	112.00000	-0.032099	111.75	0.0	0.0	0.0
	-10.00000	-45.86667	112.00000	-0.041021	111.75	0.0	0.0	0.0
	-9.00000	-45.86667	112.00000	-0.050737	111.75	0.0	0.0	0.0
	-8.00000	-45.86667	112.00000	-0.061253	111.75	0.0	0.0	0.0
	-7.00000	-45.86667	112.00000	-0.072557	111.75	0.0	0.0	0.0
	-6.00000	-45.86667	112.00000	-0.084615	111.75	0.0	0.0	0.0
	-5.00000	-45.86667	112.00000	-0.097360	111.75	0.0	0.0	0.0
	-4.00000	-45.86667	112.00000	-0.11069	111.75	0.0	0.0	0.0
	-3.00000	-45.86667	112.00000	-0.12447	111.75	0.0	0.0	0.0
	-2.00000	-45.86667	112.00000	-0.13851	111.75	0.0	0.0	0.0
	-1.00000	-45.86667	112.00000	-0.15258	111.75	0.0	0.0	0.0
	0.00000	-45.86667	112.00000	-0.16639	111.75	0.0	0.0	0.0
	1.00000	-45.86667	112.00000	-0.17962	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	2.00000	-45.86667	112.00000	-0.19194	111.75	0.0	0.0	0.0
	3.00000	-45.86667	112.00000	-0.20296	111.75	0.0	0.0	0.0
	4.00000	-45.86667	112.00000	-0.21237	111.75	0.0	0.0	0.0
	5.00000	-45.86667	112.00000	-0.21985	111.75	0.0	0.0	0.0
	6.00000	-45.86667	112.00000	-0.22517	111.75	0.0	0.0	0.0
	7.00000	-45.86667	112.00000	-0.22817	111.75	0.0	0.0	0.0
	8.00000	-45.86667	112.00000	-0.22880	111.75	0.0	0.0	0.0
	9.00000	-45.86667	112.00000	-0.22710	111.75	0.0	0.0	0.0
	10.00000	-45.86667	112.00000	-0.22317	111.75	0.0	0.0	0.0
	11.00000	-45.86667	112.00000	-0.21720	111.75	0.0	0.0	0.0
	12.00000	-45.86667	112.00000	-0.20945	111.75	0.0	0.0	0.0
	13.00000	-45.86667	112.00000	-0.20016	111.75	0.0	0.0	0.0
	14.00000	-45.86667	112.00000	-0.18963	111.75	0.0	0.0	0.0
	15.00000	-45.86667	112.00000	-0.17814	111.75	0.0	0.0	0.0
	16.00000	-45.86667	112.00000	-0.16595	111.75	0.0	0.0	0.0
	17.00000	-45.86667	112.00000	-0.15331	111.75	0.0	0.0	0.0
	18.00000	-45.86667	112.00000	-0.14046	111.75	0.0	0.0	0.0
	19.00000	-45.86667	112.00000	-0.12758	111.75	0.0	0.0	0.0
	20.00000	-45.86667	112.00000	-0.11486	111.75	0.0	0.0	0.0
	21.00000	-45.86667	112.00000	-0.10244	111.75	0.0	0.0	0.0
	22.00000	-45.86667	112.00000	-0.090426	111.75	0.0	0.0	0.0
	23.00000	-45.86667	112.00000	-0.078919	111.75	0.0	0.0	0.0
	24.00000	-45.86667	112.00000	-0.067986	111.75	0.0	0.0	0.0
	25.00000	-45.86667	112.00000	-0.057675	111.75	0.0	0.0	0.0
	26.00000	-45.86667	112.00000	-0.048016	111.75	0.0	0.0	0.0
	27.00000	-45.86667	112.00000	-0.039024	111.75	0.0	0.0	0.0
	28.00000	-45.86667	112.00000	-0.030702	111.75	0.0	0.0	0.0
	29.00000	-45.86667	112.00000	-0.023040	111.75	0.0	0.0	0.0
	30.00000	-45.86667	112.00000	-0.016021	111.75	0.0	0.0	0.0
	31.00000	-45.86667	112.00000	-0.0096232	111.75	0.0	0.0	0.0
	32.00000	-45.86667	112.00000	-0.0038177	111.75	0.0	0.0	0.0
	33.00000	-45.86667	112.00000	0.0014264	111.75	0.0	0.0	0.0
	34.00000	-45.86667	112.00000	0.0061421	111.75	0.0	0.0	0.0
	35.00000	-45.86667	112.00000	0.010364	111.75	0.0	0.0	0.0
	36.00000	-45.86667	112.00000	0.014125	111.75	0.0	0.0	0.0
	37.00000	-45.86667	112.00000	0.017460	111.75	0.0	0.0	0.0
	38.00000	-45.86667	112.00000	0.020402	111.75	0.0	0.0	0.0
	39.00000	-45.86667	112.00000	0.022983	111.75	0.0	0.0	0.0
	40.00000	-45.86667	112.00000	0.025232	111.75	0.0	0.0	0.0
	41.00000	-45.86667	112.00000	0.027178	111.75	0.0	0.0	0.0
	42.00000	-45.86667	112.00000	0.028849	111.75	0.0	0.0	0.0
	43.00000	-45.86667	112.00000	0.030268	111.75	0.0	0.0	0.0
	44.00000	-45.86667	112.00000	0.031461	111.75	0.0	0.0	0.0
	45.00000	-45.86667	112.00000	0.032447	111.75	0.0	0.0	0.0
	46.00000	-45.86667	112.00000	0.033249	111.75	0.0	0.0	0.0
	47.00000	-45.86667	112.00000	0.033883	111.75	0.0	0.0	0.0
	48.00000	-45.86667	112.00000	0.034367	111.75	0.0	0.0	0.0
	49.00000	-45.86667	112.00000	0.034716	111.75	0.0	0.0	0.0
	50.00000	-45.86667	112.00000	0.034946	111.75	0.0	0.0	0.0
	-20.00000	-44.83333	112.00000	0.015571	111.75	0.0	0.0	0.0
	-19.00000	-44.83333	112.00000	0.013811	111.75	0.0	0.0	0.0
	-18.00000	-44.83333	112.00000	0.0075336	111.75	0.0	0.0	0.0
	-17.00000	-44.83333	112.00000	0.0026895	111.75	0.0	0.0	0.0
	-16.00000	-44.83333	112.00000	-0.0027751	111.75	0.0	0.0	0.0
	-15.00000	-44.83333	112.00000	-0.0089163	111.75	0.0	0.0	0.0
	-14.00000	-44.83333	112.00000	-0.015792	111.75	0.0	0.0	0.0
	-13.00000	-44.83333	112.00000	-0.023460	111.75	0.0	0.0	0.0
	-12.00000	-44.83333	112.00000	-0.031979	111.75	0.0	0.0	0.0
	-11.00000	-44.83333	112.00000	-0.041404	111.75	0.0	0.0	0.0
	-10.00000	-44.83333	112.00000	-0.051782	111.75	0.0	0.0	0.0
	-9.00000	-44.83333	112.00000	-0.063154	111.75	0.0	0.0	0.0
	-8.00000	-44.83333	112.00000	-0.075544	111.75	0.0	0.0	0.0
	-7.00000	-44.83333	112.00000	-0.088958	111.75	0.0	0.0	0.0
	-6.00000	-44.83333	112.00000	-0.10337	111.75	0.0	0.0	0.0
	-5.00000	-44.83333	112.00000	-0.11873	111.75	0.0	0.0	0.0
	-4.00000	-44.83333	112.00000	-0.13493	111.75	0.0	0.0	0.0
	-3.00000	-44.83333	112.00000	-0.15181	111.75	0.0	0.0	0.0
	-2.00000	-44.83333	112.00000	-0.16915	111.75	0.0	0.0	0.0
	-1.00000	-44.83333	112.00000	-0.18666	111.75	0.0	0.0	0.0
	0.00000	-44.83333	112.00000	-0.20399	111.75	0.0	0.0	0.0
	1.00000	-44.83333	112.00000	-0.22072	111.75	0.0	0.0	0.0
	2.00000	-44.83333	112.00000	-0.23636	111.75	0.0	0.0	0.0
	3.00000	-44.83333	112.00000	-0.25044	111.75	0.0	0.0	0.0
	4.00000	-44.83333	112.00000	-0.26246	111.75	0.0	0.0	0.0
	5.00000	-44.83333	112.00000	-0.27201	111.75	0.0	0.0	0.0
	6.00000	-44.83333	112.00000	-0.27874	111.75	0.0	0.0	0.0
	7.00000	-44.83333	112.00000	-0.28245	111.75	0.0	0.0	0.0
	8.00000	-44.83333	112.00000	-0.28307	111.75	0.0	0.0	0.0
	9.00000	-44.83333	112.00000	-0.28065	111.75	0.0	0.0	0.0
	10.00000	-44.83333	112.00000	-0.27540	111.75	0.0	0.0	0.0
	11.00000	-44.83333	112.00000	-0.26758	111.75	0.0	0.0	0.0
	12.00000	-44.83333	112.00000	-0.25753	111.75	0.0	0.0	0.0
	13.00000	-44.83333	112.00000	-0.24563	111.75	0.0	0.0	0.0
	14.00000	-44.83333	112.00000	-0.23226	111.75	0.0	0.0	0.0
	15.00000	-44.83333	112.00000	-0.21778	111.75	0.0	0.0	0.0
	16.00000	-44.83333	112.00000	-0.20255	111.75	0.0	0.0	0.0
	17.00000	-44.83333	112.00000	-0.18688	111.75	0.0	0.0	0.0
	18.00000	-44.83333	112.00000	-0.17106	111.75	0.0	0.0	0.0
	19.00000	-44.83333	112.00000	-0.15531	111.75	0.0	0.0	0.0
	20.00000	-44.83333	112.00000	-0.13986	111.75	0.0	0.0	0.0
	21.00000	-44.83333	112.00000	-0.12486	111.75	0.0	0.0	0.0
	22.00000	-44.83333	112.00000	-0.11045	111.75	0.0	0.0	0.0
	23.00000	-44.83333	112.00000	-0.096725	111.75	0.0	0.0	0.0
	24.00000	-44.83333	112.00000	-0.083757	111.75	0.0	0.0	0.0
	25.00000	-44.83333	112.00000	-0.071594	111.75	0.0	0.0	0.0
	26.00000	-44.83333	112.00000	-0.060259	111.75	0.0	0.0	0.0
	27.00000	-44.83333	112.00000	-0.049761	111.75	0.0	0.0	0.0
	28.00000	-44.83333	112.00000	-0.040089	111.75	0.0	0.0	0.0
	29.00000	-44.83333	112.00000	-0.031225	111.75	0.0	0.0	0.0
	30.00000	-44.83333	112.00000	-0.023140	111.75	0.0	0.0	0.0
	31.00000	-44.83333	112.00000	-0.015799	111.75	0.0	0.0	0.0
	32.00000	-44.83333	112.00000	-0.0091619	111.75	0.0	0.0	0.0
	33.00000	-44.83333	112.00000	-0.0031862	111.75	0.0	0.0	0.0
	34.00000	-44.83333	112.00000	0.0021715	111.75	0.0	0.0	0.0
	35.00000	-44.83333	112.00000	0.0069551	111.75	0.0	0.0	0.0
	36.00000	-44.83333	112.00000	0.011208	111.75	0.0	0.0	0.0
	37.00000	-44.83333	112.00000	0.014972	111.75	0.0	0.0	0.0
	38.00000	-44.83333	112.00000	0.018288	111.75	0.0	0.0	0.0
	39.00000	-44.83333	112.00000	0.021193	111.75	0.0	0.0	0.0
	40.00000	-44.83333	112.00000	0.023725	111.75	0.0	0.0	0.0
	41.00000	-44.83333	112.00000	0.025917	111.75	0.0	0.0	0.0
	42.00000	-44.83333	112.00000	0.027800	111.75	0.0	0.0	0.0
	43.00000	-44.83333	112.00000	0.029404	111.75	0.0	0.0	0.0
	44.00000	-44.83333	112.00000	0.030756	111.75	0.0	0.0	0.0
	45.00000	-44.83333	112.00000	0.031881	111.75	0.0	0.0	0.0
	46.00000	-44.83333	112.00000	0.032800	111.75	0.0	0.0	0.0
	47.00000	-44.83333	112.00000	0.033537	111.75	0.0	0.0	0.0
	48.00000	-44.83333	112.00000	0.034109	111.75	0.0	0.0	0.0
	49.00000	-44.83333	112.00000	0.034533	111.75	0.0	0.0	0.0
	50.00000	-44.83333	112.00000	0.034827	111.75	0.0	0.0	0.0
	-20.00000	-43.80000	112.00000	0.013159	111.75	0.0	0.0	0.0
	-19.00000	-43.80000	112.00000	0.0089566	111.75	0.0	0.0	0.0
	-18.00000	-43.80000	112.00000	0.0041660	111.75	0.0	0.0	0.0
	-17.00000	-43.80000	112.00000	-0.0012746	111.75	0.0	0.0	0.0
	-16.00000	-43.80000	112.00000	-0.0074321	111.75	0.0	0.0	0.0
	-15.00000	-43.80000	112.00000	-0.014377	111.75	0.0	0.0	0.0
	-14.00000	-43.80000	112.00000	-0.022186	111.75	0.0	0.0	0.0
	-13.00000	-43.80000	112.00000	-0.030935	111.75	0.0	0.0	0.0
	-12.00000	-43.80000	112.00000	-0.040704	111.75	0.0	0.0	0.0
	-11.00000	-43.80000	112.00000	-0.051572	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	-10.00000	-43.80000	112.00000	-0.063614	111.75	0.0	0.0	0.0
	-9.00000	-43.80000	112.00000	-0.076896	111.75	0.0	0.0	0.0
	-8.00000	-43.80000	112.00000	-0.091473	111.75	0.0	0.0	0.0
	-7.00000	-43.80000	112.00000	-0.10738	111.75	0.0	0.0	0.0
	-6.00000	-43.80000	112.00000	-0.12461	111.75	0.0	0.0	0.0
	-5.00000	-43.80000	112.00000	-0.14312	111.75	0.0	0.0	0.0
	-4.00000	-43.80000	112.00000	-0.16283	111.75	0.0	0.0	0.0
	-3.00000	-43.80000	112.00000	-0.18357	111.75	0.0	0.0	0.0
	-2.00000	-43.80000	112.00000	-0.20507	111.75	0.0	0.0	0.0
	-1.00000	-43.80000	112.00000	-0.22700	111.75	0.0	0.0	0.0
	0.00000	-43.80000	112.00000	-0.24891	111.75	0.0	0.0	0.0
	1.00000	-43.80000	112.00000	-0.27022	111.75	0.0	0.0	0.0
	2.00000	-43.80000	112.00000	-0.29030	111.75	0.0	0.0	0.0
	3.00000	-43.80000	112.00000	-0.30845	111.75	0.0	0.0	0.0
	4.00000	-43.80000	112.00000	-0.32399	111.75	0.0	0.0	0.0
	5.00000	-43.80000	112.00000	-0.33630	111.75	0.0	0.0	0.0
	6.00000	-43.80000	112.00000	-0.34489	111.75	0.0	0.0	0.0
	7.00000	-43.80000	112.00000	-0.34948	111.75	0.0	0.0	0.0
	8.00000	-43.80000	112.00000	-0.34999	111.75	0.0	0.0	0.0
	9.00000	-43.80000	112.00000	-0.34653	111.75	0.0	0.0	0.0
	10.00000	-43.80000	112.00000	-0.33939	111.75	0.0	0.0	0.0
	11.00000	-43.80000	112.00000	-0.32901	111.75	0.0	0.0	0.0
	12.00000	-43.80000	112.00000	-0.31587	111.75	0.0	0.0	0.0
	13.00000	-43.80000	112.00000	-0.30048	111.75	0.0	0.0	0.0
	14.00000	-43.80000	112.00000	-0.28337	111.75	0.0	0.0	0.0
	15.00000	-43.80000	112.00000	-0.26503	111.75	0.0	0.0	0.0
	16.00000	-43.80000	112.00000	-0.24591	111.75	0.0	0.0	0.0
	17.00000	-43.80000	112.00000	-0.22640	111.75	0.0	0.0	0.0
	18.00000	-43.80000	112.00000	-0.20685	111.75	0.0	0.0	0.0
	19.00000	-43.80000	112.00000	-0.18755	111.75	0.0	0.0	0.0
	20.00000	-43.80000	112.00000	-0.16874	111.75	0.0	0.0	0.0
	21.00000	-43.80000	112.00000	-0.15061	111.75	0.0	0.0	0.0
	22.00000	-43.80000	112.00000	-0.13330	111.75	0.0	0.0	0.0
	23.00000	-43.80000	112.00000	-0.11692	111.75	0.0	0.0	0.0
	24.00000	-43.80000	112.00000	-0.10153	111.75	0.0	0.0	0.0
	25.00000	-43.80000	112.00000	-0.087192	111.75	0.0	0.0	0.0
	26.00000	-43.80000	112.00000	-0.073902	111.75	0.0	0.0	0.0
	27.00000	-43.80000	112.00000	-0.061659	111.75	0.0	0.0	0.0
	28.00000	-43.80000	112.00000	-0.050439	111.75	0.0	0.0	0.0
	29.00000	-43.80000	112.00000	-0.040206	111.75	0.0	0.0	0.0
	30.00000	-43.80000	112.00000	-0.030915	111.75	0.0	0.0	0.0
	31.00000	-43.80000	112.00000	-0.022514	111.75	0.0	0.0	0.0
	32.00000	-43.80000	112.00000	-0.014950	111.75	0.0	0.0	0.0
	33.00000	-43.80000	112.00000	-0.0081636	111.75	0.0	0.0	0.0
	34.00000	-43.80000	112.00000	-0.0020993	111.75	0.0	0.0	0.0
	35.00000	-43.80000	112.00000	0.0032995	111.75	0.0	0.0	0.0
	36.00000	-43.80000	112.00000	0.0080870	111.75	0.0	0.0	0.0
	37.00000	-43.80000	112.00000	0.012315	111.75	0.0	0.0	0.0
	38.00000	-43.80000	112.00000	0.016034	111.75	0.0	0.0	0.0
	39.00000	-43.80000	112.00000	0.019288	111.75	0.0	0.0	0.0
	40.00000	-43.80000	112.00000	0.022122	111.75	0.0	0.0	0.0
	41.00000	-43.80000	112.00000	0.024575	111.75	0.0	0.0	0.0
	42.00000	-43.80000	112.00000	0.026683	111.75	0.0	0.0	0.0
	43.00000	-43.80000	112.00000	0.028482	111.75	0.0	0.0	0.0
	44.00000	-43.80000	112.00000	0.030002	111.75	0.0	0.0	0.0
	45.00000	-43.80000	112.00000	0.031271	111.75	0.0	0.0	0.0
	46.00000	-43.80000	112.00000	0.032315	111.75	0.0	0.0	0.0
	47.00000	-43.80000	112.00000	0.033158	111.75	0.0	0.0	0.0
	48.00000	-43.80000	112.00000	0.033821	111.75	0.0	0.0	0.0
	49.00000	-43.80000	112.00000	0.034324	111.75	0.0	0.0	0.0
	50.00000	-43.80000	112.00000	0.034685	111.75	0.0	0.0	0.0
	-20.00000	-42.76667	112.00000	0.010633	111.75	0.0	0.0	0.0
	-19.00000	-42.76667	112.00000	0.0059610	111.75	0.0	0.0	0.0
	-18.00000	-42.76667	112.00000	622.266-6	111.75	0.0	0.0	0.0
	-17.00000	-42.76667	112.00000	-0.0054590	111.75	0.0	0.0	0.0
	-16.00000	-42.76667	112.00000	-0.012365	111.75	0.0	0.0	0.0
	-15.00000	-42.76667	112.00000	-0.020185	111.75	0.0	0.0	0.0
	-14.00000	-42.76667	112.00000	-0.029015	111.75	0.0	0.0	0.0
	-13.00000	-42.76667	112.00000	-0.038958	111.75	0.0	0.0	0.0
	-12.00000	-42.76667	112.00000	-0.050120	111.75	0.0	0.0	0.0
	-11.00000	-42.76667	112.00000	-0.062612	111.75	0.0	0.0	0.0
	-10.00000	-42.76667	112.00000	-0.076544	111.75	0.0	0.0	0.0
	-9.00000	-42.76667	112.00000	-0.092021	111.75	0.0	0.0	0.0
	-8.00000	-42.76667	112.00000	-0.10914	111.75	0.0	0.0	0.0
	-7.00000	-42.76667	112.00000	-0.12797	111.75	0.0	0.0	0.0
	-6.00000	-42.76667	112.00000	-0.14856	111.75	0.0	0.0	0.0
	-5.00000	-42.76667	112.00000	-0.17089	111.75	0.0	0.0	0.0
	-4.00000	-42.76667	112.00000	-0.19491	111.75	0.0	0.0	0.0
	-3.00000	-42.76667	112.00000	-0.22045	111.75	0.0	0.0	0.0
	-2.00000	-42.76667	112.00000	-0.24724	111.75	0.0	0.0	0.0
	-1.00000	-42.76667	112.00000	-0.27486	111.75	0.0	0.0	0.0
	0.00000	-42.76667	112.00000	-0.30275	111.75	0.0	0.0	0.0
	1.00000	-42.76667	112.00000	-0.33016	111.75	0.0	0.0	0.0
	2.00000	-42.76667	112.00000	-0.35622	111.75	0.0	0.0	0.0
	3.00000	-42.76667	112.00000	-0.37993	111.75	0.0	0.0	0.0
	4.00000	-42.76667	112.00000	-0.40028	111.75	0.0	0.0	0.0
	5.00000	-42.76667	112.00000	-0.41636	111.75	0.0	0.0	0.0
	6.00000	-42.76667	112.00000	-0.42744	111.75	0.0	0.0	0.0
	7.00000	-42.76667	112.00000	-0.43312	111.75	0.0	0.0	0.0
	8.00000	-42.76667	112.00000	-0.43331	111.75	0.0	0.0	0.0
	9.00000	-42.76667	112.00000	-0.42825	111.75	0.0	0.0	0.0
	10.00000	-42.76667	112.00000	-0.41841	111.75	0.0	0.0	0.0
	11.00000	-42.76667	112.00000	-0.40444	111.75	0.0	0.0	0.0
	12.00000	-42.76667	112.00000	-0.38704	111.75	0.0	0.0	0.0
	13.00000	-42.76667	112.00000	-0.36697	111.75	0.0	0.0	0.0
	14.00000	-42.76667	112.00000	-0.34492	111.75	0.0	0.0	0.0
	15.00000	-42.76667	112.00000	-0.32155	111.75	0.0	0.0	0.0
	16.00000	-42.76667	112.00000	-0.29742	111.75	0.0	0.0	0.0
	17.00000	-42.76667	112.00000	-0.27302	111.75	0.0	0.0	0.0
	18.00000	-42.76667	112.00000	-0.24879	111.75	0.0	0.0	0.0
	19.00000	-42.76667	112.00000	-0.22506	111.75	0.0	0.0	0.0
	20.00000	-42.76667	112.00000	-0.20211	111.75	0.0	0.0	0.0
	21.00000	-42.76667	112.00000	-0.18015	111.75	0.0	0.0	0.0
	22.00000	-42.76667	112.00000	-0.15933	111.75	0.0	0.0	0.0
	23.00000	-42.76667	112.00000	-0.13977	111.75	0.0	0.0	0.0
	24.00000	-42.76667	112.00000	-0.12153	111.75	0.0	0.0	0.0
	25.00000	-42.76667	112.00000	-0.10462	111.75	0.0	0.0	0.0
	26.00000	-42.76667	112.00000	-0.089052	111.75	0.0	0.0	0.0
	27.00000	-42.76667	112.00000	-0.074794	111.75	0.0	0.0	0.0
	28.00000	-42.76667	112.00000	-0.061799	111.75	0.0	0.0	0.0
	29.00000	-42.76667	112.00000	-0.050010	111.75	0.0	0.0	0.0
	30.00000	-42.76667	112.00000	-0.039360	111.75	0.0	0.0	0.0
	31.00000	-42.76667	112.00000	-0.029774	111.75	0.0	0.0	0.0
	32.00000	-42.76667	112.00000	-0.021180	111.75	0.0	0.0	0.0
	33.00000	-42.76667	112.00000	-0.013500	111.75	0.0	0.0	0.0
	34.00000	-42.76667	112.00000	-0.0066618	111.75	0.0	0.0	0.0
	35.00000	-42.76667	112.00000	-593.50E-6	111.75	0.0	0.0	0.0
	36.00000	-42.76667	112.00000	0.0047727	111.75	0.0	0.0	0.0
	37.00000	-42.76667	112.00000	0.0095006	111.75	0.0	0.0	0.0
	38.00000	-42.76667	112.00000	0.013650	111.75	0.0	0.0	0.0
	39.00000	-42.76667	112.00000	0.017276	111.75	0.0	0.0	0.0
	40.00000	-42.76667	112.00000	0.020430	111.75	0.0	0.0	0.0
	41.00000	-42.76667	112.00000	0.023159	111.75	0.0	0.0	0.0
	42.00000	-42.76667	112.00000	0.025505	111.75	0.0	0.0	0.0
	43.00000	-42.76667	112.00000	0.027508	111.75	0.0	0.0	0.0
	44.00000	-42.76667	112.00000	0.029203	111.75	0.0	0.0	0.0
	45.00000	-42.76667	112.00000	0.030622	111.75	0.0	0.0	0.0
	46.00000	-42.76667	112.00000	0.031796	111.75	0.0	0.0	0.0
	47.00000	-42.76667	112.00000	0.032750	111.75	0.0	0.0	0.0
	48.00000	-42.76667	112.00000	0.033508	111.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	49.00000	-42.76667	112.00000	0.034092	111.75	0.0	0.0	0.0
	50.00000	-42.76667	112.00000	0.034521	111.75	0.0	0.0	0.0
	-20.00000	-41.73333	112.00000	0.0080109	111.75	0.0	0.0	0.0
	-19.00000	-41.73333	112.00000	0.0028453	111.75	0.0	0.0	0.0
	-18.00000	-41.73333	112.00000	-0.0030739	111.75	0.0	0.0	0.0
	-17.00000	-41.73333	112.00000	-0.0098375	111.75	0.0	0.0	0.0
	-16.00000	-41.73333	112.00000	-0.017546	111.75	0.0	0.0	0.0
	-15.00000	-41.73333	112.00000	-0.026310	111.75	0.0	0.0	0.0
	-14.00000	-41.73333	112.00000	-0.036252	111.75	0.0	0.0	0.0
	-13.00000	-41.73333	112.00000	-0.047503	111.75	0.0	0.0	0.0
	-12.00000	-41.73333	112.00000	-0.060206	111.75	0.0	0.0	0.0
	-11.00000	-41.73333	112.00000	-0.074512	111.75	0.0	0.0	0.0
	-10.00000	-41.73333	112.00000	-0.090577	111.75	0.0	0.0	0.0
	-9.00000	-41.73333	112.00000	-0.10856	111.75	0.0	0.0	0.0
	-8.00000	-41.73333	112.00000	-0.12861	111.75	0.0	0.0	0.0
	-7.00000	-41.73333	112.00000	-0.15087	111.75	0.0	0.0	0.0
	-6.00000	-41.73333	112.00000	-0.17544	111.75	0.0	0.0	0.0
	-5.00000	-41.73333	112.00000	-0.20239	111.75	0.0	0.0	0.0
	-4.00000	-41.73333	112.00000	-0.23170	111.75	0.0	0.0	0.0
	-3.00000	-41.73333	112.00000	-0.26324	111.75	0.0	0.0	0.0
	-2.00000	-41.73333	112.00000	-0.29674	111.75	0.0	0.0	0.0
	-1.00000	-41.73333	112.00000	-0.33173	111.75	0.0	0.0	0.0
	0.00000	-41.73333	112.00000	-0.36753	111.75	0.0	0.0	0.0
	1.00000	-41.73333	112.00000	-0.40317	111.75	0.0	0.0	0.0
	2.00000	-41.73333	112.00000	-0.43742	111.75	0.0	0.0	0.0
	3.00000	-41.73333	112.00000	-0.46885	111.75	0.0	0.0	0.0
	4.00000	-41.73333	112.00000	-0.49593	111.75	0.0	0.0	0.0
	5.00000	-41.73333	112.00000	-0.51725	111.75	0.0	0.0	0.0
	6.00000	-41.73333	112.00000	-0.53172	111.75	0.0	0.0	0.0
	7.00000	-41.73333	112.00000	-0.53873	111.75	0.0	0.0	0.0
	8.00000	-41.73333	112.00000	-0.53823	111.75	0.0	0.0	0.0
	9.00000	-41.73333	112.00000	-0.53066	111.75	0.0	0.0	0.0
	10.00000	-41.73333	112.00000	-0.51683	111.75	0.0	0.0	0.0
	11.00000	-41.73333	112.00000	-0.49773	111.75	0.0	0.0	0.0
	12.00000	-41.73333	112.00000	-0.47444	111.75	0.0	0.0	0.0
	13.00000	-41.73333	112.00000	-0.44800	111.75	0.0	0.0	0.0
	14.00000	-41.73333	112.00000	-0.41937	111.75	0.0	0.0	0.0
	15.00000	-41.73333	112.00000	-0.38938	111.75	0.0	0.0	0.0
	16.00000	-41.73333	112.00000	-0.35876	111.75	0.0	0.0	0.0
	17.00000	-41.73333	112.00000	-0.32813	111.75	0.0	0.0	0.0
	18.00000	-41.73333	112.00000	-0.29799	111.75	0.0	0.0	0.0
	19.00000	-41.73333	112.00000	-0.26873	111.75	0.0	0.0	0.0
	20.00000	-41.73333	112.00000	-0.24066	111.75	0.0	0.0	0.0
	21.00000	-41.73333	112.00000	-0.21403	111.75	0.0	0.0	0.0
	22.00000	-41.73333	112.00000	-0.18897	111.75	0.0	0.0	0.0
	23.00000	-41.73333	112.00000	-0.16560	111.75	0.0	0.0	0.0
	24.00000	-41.73333	112.00000	-0.14395	111.75	0.0	0.0	0.0
	25.00000	-41.73333	112.00000	-0.12403	111.75	0.0	0.0	0.0
	26.00000	-41.73333	112.00000	-0.10581	111.75	0.0	0.0	0.0
	27.00000	-41.73333	112.00000	-0.089230	111.75	0.0	0.0	0.0
	28.00000	-41.73333	112.00000	-0.074208	111.75	0.0	0.0	0.0
	29.00000	-41.73333	112.00000	-0.060657	111.75	0.0	0.0	0.0
	30.00000	-41.73333	112.00000	-0.048480	111.75	0.0	0.0	0.0
	31.00000	-41.73333	112.00000	-0.037575	111.75	0.0	0.0	0.0
	32.00000	-41.73333	112.00000	-0.027842	111.75	0.0	0.0	0.0
	33.00000	-41.73333	112.00000	-0.019183	111.75	0.0	0.0	0.0
	34.00000	-41.73333	112.00000	-0.011501	111.75	0.0	0.0	0.0
	35.00000	-41.73333	112.00000	-0.0047083	111.75	0.0	0.0	0.0
	36.00000	-41.73333	112.00000	0.0012803	111.75	0.0	0.0	0.0
	37.00000	-41.73333	112.00000	0.0065425	111.75	0.0	0.0	0.0
	38.00000	-41.73333	112.00000	0.011150	111.75	0.0	0.0	0.0
	39.00000	-41.73333	112.00000	0.015170	111.75	0.0	0.0	0.0
	40.00000	-41.73333	112.00000	0.018661	111.75	0.0	0.0	0.0
	41.00000	-41.73333	112.00000	0.021679	111.75	0.0	0.0	0.0
	42.00000	-41.73333	112.00000	0.024273	111.75	0.0	0.0	0.0
	43.00000	-41.73333	112.00000	0.026489	111.75	0.0	0.0	0.0
	44.00000	-41.73333	112.00000	0.028366	111.75	0.0	0.0	0.0
	45.00000	-41.73333	112.00000	0.029942	111.75	0.0	0.0	0.0
	46.00000	-41.73333	112.00000	0.031248	111.75	0.0	0.0	0.0
	47.00000	-41.73333	112.00000	0.032316	111.75	0.0	0.0	0.0
	48.00000	-41.73333	112.00000	0.033172	111.75	0.0	0.0	0.0
	49.00000	-41.73333	112.00000	0.033839	111.75	0.0	0.0	0.0
	50.00000	-41.73333	112.00000	0.034339	111.75	0.0	0.0	0.0
	-20.00000	-40.70000	112.00000	0.0053172	111.75	0.0	0.0	0.0
	-19.00000	-40.70000	112.00000	-364.20E-6	111.75	0.0	0.0	0.0
	-18.00000	-40.70000	112.00000	-0.0068925	111.75	0.0	0.0	0.0
	-17.00000	-40.70000	112.00000	-0.014376	111.75	0.0	0.0	0.0
	-16.00000	-40.70000	112.00000	-0.022937	111.75	0.0	0.0	0.0
	-15.00000	-40.70000	112.00000	-0.032711	111.75	0.0	0.0	0.0
	-14.00000	-40.70000	112.00000	-0.043851	111.75	0.0	0.0	0.0
	-13.00000	-40.70000	112.00000	-0.056525	111.75	0.0	0.0	0.0
	-12.00000	-40.70000	112.00000	-0.070918	111.75	0.0	0.0	0.0
	-11.00000	-40.70000	112.00000	-0.087233	111.75	0.0	0.0	0.0
	-10.00000	-40.70000	112.00000	-0.10569	111.75	0.0	0.0	0.0
	-9.00000	-40.70000	112.00000	-0.12651	111.75	0.0	0.0	0.0
	-8.00000	-40.70000	112.00000	-0.14993	111.75	0.0	0.0	0.0
	-7.00000	-40.70000	112.00000	-0.17618	111.75	0.0	0.0	0.0
	-6.00000	-40.70000	112.00000	-0.20546	111.75	0.0	0.0	0.0
	-5.00000	-40.70000	112.00000	-0.23795	111.75	0.0	0.0	0.0
	-4.00000	-40.70000	112.00000	-0.27372	111.75	0.0	0.0	0.0
	-3.00000	-40.70000	112.00000	-0.31274	111.75	0.0	0.0	0.0
	-2.00000	-40.70000	112.00000	-0.35479	111.75	0.0	0.0	0.0
	-1.00000	-40.70000	112.00000	-0.39940	111.75	0.0	0.0	0.0
	0.00000	-40.70000	112.00000	-0.44575	111.75	0.0	0.0	0.0
	1.00000	-40.70000	112.00000	-0.49262	111.75	0.0	0.0	0.0
	2.00000	-40.70000	112.00000	-0.53831	111.75	0.0	0.0	0.0
	3.00000	-40.70000	112.00000	-0.58071	111.75	0.0	0.0	0.0
	4.00000	-40.70000	112.00000	-0.61746	111.75	0.0	0.0	0.0
	5.00000	-40.70000	112.00000	-0.64628	111.75	0.0	0.0	0.0
	6.00000	-40.70000	112.00000	-0.66543	111.75	0.0	0.0	0.0
	7.00000	-40.70000	112.00000	-0.67399	111.75	0.0	0.0	0.0
	8.00000	-40.70000	112.00000	-0.67204	111.75	0.0	0.0	0.0
	9.00000	-40.70000	112.00000	-0.66044	111.75	0.0	0.0	0.0
	10.00000	-40.70000	112.00000	-0.64059	111.75	0.0	0.0	0.0
	11.00000	-40.70000	112.00000	-0.61407	111.75	0.0	0.0	0.0
	12.00000	-40.70000	112.00000	-0.58249	111.75	0.0	0.0	0.0
	13.00000	-40.70000	112.00000	-0.54732	111.75	0.0	0.0	0.0
	14.00000	-40.70000	112.00000	-0.50982	111.75	0.0	0.0	0.0
	15.00000	-40.70000	112.00000	-0.47111	111.75	0.0	0.0	0.0
	16.00000	-40.70000	112.00000	-0.43206	111.75	0.0	0.0	0.0
	17.00000	-40.70000	112.00000	-0.39344	111.75	0.0	0.0	0.0
	18.00000	-40.70000	112.00000	-0.35580	111.75	0.0	0.0	0.0
	19.00000	-40.70000	112.00000	-0.31962	111.75	0.0	0.0	0.0
	20.00000	-40.70000	112.00000	-0.28522	111.75	0.0	0.0	0.0
	21.00000	-40.70000	112.00000	-0.25285	111.75	0.0	0.0	0.0
	22.00000	-40.70000	112.00000	-0.22266	111.75	0.0	0.0	0.0
	23.00000	-40.70000	112.00000	-0.19472	111.75	0.0	0.0	0.0
	24.00000	-40.70000	112.00000	-0.16904	111.75	0.0	0.0	0.0
	25.00000	-40.70000	112.00000	-0.14558	111.75	0.0	0.0	0.0
	26.00000	-40.70000	112.00000	-0.12428	111.75	0.0	0.0	0.0
	27.00000	-40.70000	112.00000	-0.10502	111.75	0.0	0.0	0.0
	28.00000	-40.70000	112.00000	-0.087689	111.75	0.0	0.0	0.0
	29.00000	-40.70000	112.00000	-0.072150	111.75	0.0	0.0	0.0
	30.00000	-40.70000	112.00000	-0.058267	111.75	0.0	0.0	0.0
	31.00000	-40.70000	112.00000	-0.045900	111.75	0.0	0.0	0.0
	32.00000	-40.70000	112.00000	-0.034917	111.75	0.0	0.0	0.0
	33.00000	-40.70000	112.00000	-0.025188	111.75	0.0	0.0	0.0
	34.00000	-40.70000	112.00000	-0.016595	111.75	0.0	0.0	0.0
	35.00000	-40.70000	112.00000	-0.0090227	111.75	0.0	0.0	0.0
	36.00000	-40.70000	112.00000	-0.0023694	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	37.00000	-40.70000	112.00000	0.0034600	111.75	0.0	0.0	0.0
	38.00000	-40.70000	112.00000	0.0085520	111.75	0.0	0.0	0.0
	39.00000	-40.70000	112.00000	0.012985	111.75	0.0	0.0	0.0
	40.00000	-40.70000	112.00000	0.016829	111.75	0.0	0.0	0.0
	41.00000	-40.70000	112.00000	0.020148	111.75	0.0	0.0	0.0
	42.00000	-40.70000	112.00000	0.022999	111.75	0.0	0.0	0.0
	43.00000	-40.70000	112.00000	0.025435	111.75	0.0	0.0	0.0
	44.00000	-40.70000	112.00000	0.027499	111.75	0.0	0.0	0.0
	45.00000	-40.70000	112.00000	0.029235	111.75	0.0	0.0	0.0
	46.00000	-40.70000	112.00000	0.030678	111.75	0.0	0.0	0.0
	47.00000	-40.70000	112.00000	0.031863	111.75	0.0	0.0	0.0
	48.00000	-40.70000	112.00000	0.032817	111.75	0.0	0.0	0.0
	49.00000	-40.70000	112.00000	0.033569	111.75	0.0	0.0	0.0
	50.00000	-40.70000	112.00000	0.034141	111.75	0.0	0.0	0.0
	-20.00000	-39.66667	112.00000	0.0025784	111.75	0.0	0.0	0.0
	-19.00000	-39.66667	112.00000	-0.0036357	111.75	0.0	0.0	0.0
	-18.00000	-39.66667	112.00000	-0.010797	111.75	0.0	0.0	0.0
	-17.00000	-39.66667	112.00000	-0.019033	111.75	0.0	0.0	0.0
	-16.00000	-39.66667	112.00000	-0.028490	111.75	0.0	0.0	0.0
	-15.00000	-39.66667	112.00000	-0.039334	111.75	0.0	0.0	0.0
	-14.00000	-39.66667	112.00000	-0.051752	111.75	0.0	0.0	0.0
	-13.00000	-39.66667	112.00000	-0.065957	111.75	0.0	0.0	0.0
	-12.00000	-39.66667	112.00000	-0.082186	111.75	0.0	0.0	0.0
	-11.00000	-39.66667	112.00000	-0.10070	111.75	0.0	0.0	0.0
	-10.00000	-39.66667	112.00000	-0.12181	111.75	0.0	0.0	0.0
	-9.00000	-39.66667	112.00000	-0.14581	111.75	0.0	0.0	0.0
	-8.00000	-39.66667	112.00000	-0.17307	111.75	0.0	0.0	0.0
	-7.00000	-39.66667	112.00000	-0.20392	111.75	0.0	0.0	0.0
	-6.00000	-39.66667	112.00000	-0.23874	111.75	0.0	0.0	0.0
	-5.00000	-39.66667	112.00000	-0.27783	111.75	0.0	0.0	0.0
	-4.00000	-39.66667	112.00000	-0.32148	111.75	0.0	0.0	0.0
	-3.00000	-39.66667	112.00000	-0.36980	111.75	0.0	0.0	0.0
	-2.00000	-39.66667	112.00000	-0.42274	111.75	0.0	0.0	0.0
	-1.00000	-39.66667	112.00000	-0.47990	111.75	0.0	0.0	0.0
	0.00000	-39.66667	112.00000	-0.54043	111.75	0.0	0.0	0.0
	1.00000	-39.66667	112.00000	-0.60284	111.75	0.0	0.0	0.0
	2.00000	-39.66667	112.00000	-0.66485	111.75	0.0	0.0	0.0
	3.00000	-39.66667	112.00000	-0.72330	111.75	0.0	0.0	0.0
	4.00000	-39.66667	112.00000	-0.77442	111.75	0.0	0.0	0.0
	5.00000	-39.66667	112.00000	-0.81436	111.75	0.0	0.0	0.0
	6.00000	-39.66667	112.00000	-0.84011	111.75	0.0	0.0	0.0
	7.00000	-39.66667	112.00000	-0.85030	111.75	0.0	0.0	0.0
	8.00000	-39.66667	112.00000	-0.84535	111.75	0.0	0.0	0.0
	9.00000	-39.66667	112.00000	-0.82707	111.75	0.0	0.0	0.0
	10.00000	-39.66667	112.00000	-0.79790	111.75	0.0	0.0	0.0
	11.00000	-39.66667	112.00000	-0.76043	111.75	0.0	0.0	0.0
	12.00000	-39.66667	112.00000	-0.71703	111.75	0.0	0.0	0.0
	13.00000	-39.66667	112.00000	-0.66975	111.75	0.0	0.0	0.0
	14.00000	-39.66667	112.00000	-0.62027	111.75	0.0	0.0	0.0
	15.00000	-39.66667	112.00000	-0.56997	111.75	0.0	0.0	0.0
	16.00000	-39.66667	112.00000	-0.51993	111.75	0.0	0.0	0.0
	17.00000	-39.66667	112.00000	-0.47100	111.75	0.0	0.0	0.0
	18.00000	-39.66667	112.00000	-0.42385	111.75	0.0	0.0	0.0
	19.00000	-39.66667	112.00000	-0.37898	111.75	0.0	0.0	0.0
	20.00000	-39.66667	112.00000	-0.33672	111.75	0.0	0.0	0.0
	21.00000	-39.66667	112.00000	-0.29732	111.75	0.0	0.0	0.0
	22.00000	-39.66667	112.00000	-0.26089	111.75	0.0	0.0	0.0
	23.00000	-39.66667	112.00000	-0.22746	111.75	0.0	0.0	0.0
	24.00000	-39.66667	112.00000	-0.19700	111.75	0.0	0.0	0.0
	25.00000	-39.66667	112.00000	-0.16940	111.75	0.0	0.0	0.0
	26.00000	-39.66667	112.00000	-0.14452	111.75	0.0	0.0	0.0
	27.00000	-39.66667	112.00000	-0.12220	111.75	0.0	0.0	0.0
	28.00000	-39.66667	112.00000	-0.10225	111.75	0.0	0.0	0.0
	29.00000	-39.66667	112.00000	-0.084476	111.75	0.0	0.0	0.0
	30.00000	-39.66667	112.00000	-0.068695	111.75	0.0	0.0	0.0
	31.00000	-39.66667	112.00000	-0.054718	111.75	0.0	0.0	0.0
	32.00000	-39.66667	112.00000	-0.042370	111.75	0.0	0.0	0.0
	33.00000	-39.66667	112.00000	-0.031484	111.75	0.0	0.0	0.0
	34.00000	-39.66667	112.00000	-0.021910	111.75	0.0	0.0	0.0
	35.00000	-39.66667	112.00000	-0.013507	111.75	0.0	0.0	0.0
	36.00000	-39.66667	112.00000	-0.0061495	111.75	0.0	0.0	0.0
	37.00000	-39.66667	112.00000	277.36E-6	111.75	0.0	0.0	0.0
	38.00000	-39.66667	112.00000	0.0058763	111.75	0.0	0.0	0.0
	39.00000	-39.66667	112.00000	0.010740	111.75	0.0	0.0	0.0
	40.00000	-39.66667	112.00000	0.014949	111.75	0.0	0.0	0.0
	41.00000	-39.66667	112.00000	0.018580	111.75	0.0	0.0	0.0
	42.00000	-39.66667	112.00000	0.021695	111.75	0.0	0.0	0.0
	43.00000	-39.66667	112.00000	0.024355	111.75	0.0	0.0	0.0
	44.00000	-39.66667	112.00000	0.026612	111.75	0.0	0.0	0.0
	45.00000	-39.66667	112.00000	0.028510	111.75	0.0	0.0	0.0
	46.00000	-39.66667	112.00000	0.030092	111.75	0.0	0.0	0.0
	47.00000	-39.66667	112.00000	0.031395	111.75	0.0	0.0	0.0
	48.00000	-39.66667	112.00000	0.032449	111.75	0.0	0.0	0.0
	49.00000	-39.66667	112.00000	0.033286	111.75	0.0	0.0	0.0
	50.00000	-39.66667	112.00000	0.033930	111.75	0.0	0.0	0.0
	-20.00000	-38.63333	112.00000	-174.27E-6	111.75	0.0	0.0	0.0
	-19.00000	-38.63333	112.00000	-0.0069325	111.75	0.0	0.0	0.0
	-18.00000	-38.63333	112.00000	-0.014743	111.75	0.0	0.0	0.0
	-17.00000	-38.63333	112.00000	-0.023756	111.75	0.0	0.0	0.0
	-16.00000	-38.63333	112.00000	-0.034145	111.75	0.0	0.0	0.0
	-15.00000	-38.63333	112.00000	-0.046108	111.75	0.0	0.0	0.0
	-14.00000	-38.63333	112.00000	-0.059875	111.75	0.0	0.0	0.0
	-13.00000	-38.63333	112.00000	-0.075708	111.75	0.0	0.0	0.0
	-12.00000	-38.63333	112.00000	-0.093907	111.75	0.0	0.0	0.0
	-11.00000	-38.63333	112.00000	-0.11482	111.75	0.0	0.0	0.0
	-10.00000	-38.63333	112.00000	-0.13883	111.75	0.0	0.0	0.0
	-9.00000	-38.63333	112.00000	-0.16637	111.75	0.0	0.0	0.0
	-8.00000	-38.63333	112.00000	-0.19794	111.75	0.0	0.0	0.0
	-7.00000	-38.63333	112.00000	-0.23406	111.75	0.0	0.0	0.0
	-6.00000	-38.63333	112.00000	-0.27529	111.75	0.0	0.0	0.0
	-5.00000	-38.63333	112.00000	-0.32221	111.75	0.0	0.0	0.0
	-4.00000	-38.63333	112.00000	-0.37537	111.75	0.0	0.0	0.0
	-3.00000	-38.63333	112.00000	-0.43519	111.75	0.0	0.0	0.0
	-2.00000	-38.63333	112.00000	-0.50194	111.75	0.0	0.0	0.0
	-1.00000	-38.63333	112.00000	-0.57550	111.75	0.0	0.0	0.0
	0.00000	-38.63333	112.00000	-0.65518	111.75	0.0	0.0	0.0
	1.00000	-38.63333	112.00000	-0.73937	111.75	0.0	0.0	0.0
	2.00000	-38.63333	112.00000	-0.82515	111.75	0.0	0.0	0.0
	3.00000	-38.63333	112.00000	-0.90792	111.75	0.0	0.0	0.0
	4.00000	-38.63333	112.00000	-0.98141	111.75	0.0	0.0	0.0
	5.00000	-38.63333	112.00000	-1.0386	111.75	0.0	0.0	0.0
	6.00000	-38.63333	112.00000	-1.0739	111.75	0.0	0.0	0.0
	7.00000	-38.63333	112.00000	-1.0852	111.75	0.0	0.0	0.0
	8.00000	-38.63333	112.00000	-1.0740	111.75	0.0	0.0	0.0
	9.00000	-38.63333	112.00000	-1.0442	111.75	0.0	0.0	0.0
	10.00000	-38.63333	112.00000	-1.0002	111.75	0.0	0.0	0.0
	11.00000	-38.63333	112.00000	-0.94626	111.75	0.0	0.0	0.0
	12.00000	-38.63333	112.00000	-0.88582	111.75	0.0	0.0	0.0
	13.00000	-38.63333	112.00000	-0.82163	111.75	0.0	0.0	0.0
	14.00000	-38.63333	112.00000	-0.75584	111.75	0.0	0.0	0.0
	15.00000	-38.63333	112.00000	-0.69008	111.75	0.0	0.0	0.0
	16.00000	-38.63333	112.00000	-0.62561	111.75	0.0	0.0	0.0
	17.00000	-38.63333	112.00000	-0.56338	111.75	0.0	0.0	0.0
	18.00000	-38.63333	112.00000	-0.50410	111.75	0.0	0.0	0.0
	19.00000	-38.63333	112.00000	-0.44828	111.75	0.0	0.0	0.0
	20.00000	-38.63333	112.00000	-0.39625	111.75	0.0	0.0	0.0
	21.00000	-38.63333	112.00000	-0.34820	111.75	0.0	0.0	0.0
	22.00000	-38.63333	112.00000	-0.30419	111.75	0.0	0.0	0.0
	23.00000	-38.63333	112.00000	-0.26419	111.75	0.0	0.0	0.0
	24.00000	-38.63333	112.00000	-0.22805	111.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	25.00000	-38.63333	112.00000	-0.19560	111.75	0.0	0.0	0.0
	26.00000	-38.63333	112.00000	-0.16659	111.75	0.0	0.0	0.0
	27.00000	-38.63333	112.00000	-0.14076	111.75	0.0	0.0	0.0
	28.00000	-38.63333	112.00000	-0.11786	111.75	0.0	0.0	0.0
	29.00000	-38.63333	112.00000	-0.097594	111.75	0.0	0.0	0.0
	30.00000	-38.63333	112.00000	-0.079718	111.75	0.0	0.0	0.0
	31.00000	-38.63333	112.00000	-0.063980	111.75	0.0	0.0	0.0
	32.00000	-38.63333	112.00000	-0.050153	111.75	0.0	0.0	0.0
	33.00000	-38.63333	112.00000	-0.038024	111.75	0.0	0.0	0.0
	34.00000	-38.63333	112.00000	-0.027405	111.75	0.0	0.0	0.0
	35.00000	-38.63333	112.00000	-0.018124	111.75	0.0	0.0	0.0
	36.00000	-38.63333	112.00000	-0.010027	111.75	0.0	0.0	0.0
	37.00000	-38.63333	112.00000	-0.0029762	111.75	0.0	0.0	0.0
	38.00000	-38.63333	112.00000	0.0031488	111.75	0.0	0.0	0.0
	39.00000	-38.63333	112.00000	0.0084563	111.75	0.0	0.0	0.0
	40.00000	-38.63333	112.00000	0.013042	111.75	0.0	0.0	0.0
	41.00000	-38.63333	112.00000	0.016990	111.75	0.0	0.0	0.0
	42.00000	-38.63333	112.00000	0.020375	111.75	0.0	0.0	0.0
	43.00000	-38.63333	112.00000	0.023263	111.75	0.0	0.0	0.0
	44.00000	-38.63333	112.00000	0.025713	111.75	0.0	0.0	0.0
	45.00000	-38.63333	112.00000	0.027776	111.75	0.0	0.0	0.0
	46.00000	-38.63333	112.00000	0.029497	111.75	0.0	0.0	0.0
	47.00000	-38.63333	112.00000	0.030918	111.75	0.0	0.0	0.0
	48.00000	-38.63333	112.00000	0.032073	111.75	0.0	0.0	0.0
	49.00000	-38.63333	112.00000	0.032994	111.75	0.0	0.0	0.0
	50.00000	-38.63333	112.00000	0.033710	111.75	0.0	0.0	0.0
	-20.00000	-37.60000	112.00000	-0.0029059	111.75	0.0	0.0	0.0
	-19.00000	-37.60000	112.00000	-0.010213	111.75	0.0	0.0	0.0
	-18.00000	-37.60000	112.00000	-0.018682	111.75	0.0	0.0	0.0
	-17.00000	-37.60000	112.00000	-0.028487	111.75	0.0	0.0	0.0
	-16.00000	-37.60000	112.00000	-0.039831	111.75	0.0	0.0	0.0
	-15.00000	-37.60000	112.00000	-0.052950	111.75	0.0	0.0	0.0
	-14.00000	-37.60000	112.00000	-0.068120	111.75	0.0	0.0	0.0
	-13.00000	-37.60000	112.00000	-0.085662	111.75	0.0	0.0	0.0
	-12.00000	-37.60000	112.00000	-0.10595	111.75	0.0	0.0	0.0
	-11.00000	-37.60000	112.00000	-0.12942	111.75	0.0	0.0	0.0
	-10.00000	-37.60000	112.00000	-0.15657	111.75	0.0	0.0	0.0
	-9.00000	-37.60000	112.00000	-0.18799	111.75	0.0	0.0	0.0
	-8.00000	-37.60000	112.00000	-0.22435	111.75	0.0	0.0	0.0
	-7.00000	-37.60000	112.00000	-0.26641	111.75	0.0	0.0	0.0
	-6.00000	-37.60000	112.00000	-0.31501	111.75	0.0	0.0	0.0
	-5.00000	-37.60000	112.00000	-0.37108	111.75	0.0	0.0	0.0
	-4.00000	-37.60000	112.00000	-0.43560	111.75	0.0	0.0	0.0
	-3.00000	-37.60000	112.00000	-0.50950	111.75	0.0	0.0	0.0
	-2.00000	-37.60000	112.00000	-0.59363	111.75	0.0	0.0	0.0
	-1.00000	-37.60000	112.00000	-0.68851	111.75	0.0	0.0	0.0
	0.00000	-37.60000	112.00000	-0.79405	111.75	0.0	0.0	0.0
	1.00000	-37.60000	112.00000	-0.90901	111.75	0.0	0.0	0.0
	2.00000	-37.60000	112.00000	-1.0302	111.75	0.0	0.0	0.0
	3.00000	-37.60000	112.00000	-1.1514	111.75	0.0	0.0	0.0
	4.00000	-37.60000	112.00000	-1.2620	111.75	0.0	0.0	0.0
	5.00000	-37.60000	112.00000	-1.3481	111.75	0.0	0.0	0.0
	6.00000	-37.60000	112.00000	-1.3977	111.75	0.0	0.0	0.0
	7.00000	-37.60000	112.00000	-1.4075	111.75	0.0	0.0	0.0
	8.00000	-37.60000	112.00000	-1.3827	111.75	0.0	0.0	0.0
	9.00000	-37.60000	112.00000	-1.3320	111.75	0.0	0.0	0.0
	10.00000	-37.60000	112.00000	-1.2638	111.75	0.0	0.0	0.0
	11.00000	-37.60000	112.00000	-1.1846	111.75	0.0	0.0	0.0
	12.00000	-37.60000	112.00000	-1.0993	111.75	0.0	0.0	0.0
	13.00000	-37.60000	112.00000	-1.0113	111.75	0.0	0.0	0.0
	14.00000	-37.60000	112.00000	-0.92316	111.75	0.0	0.0	0.0
	15.00000	-37.60000	112.00000	-0.83670	111.75	0.0	0.0	0.0
	16.00000	-37.60000	112.00000	-0.75324	111.75	0.0	0.0	0.0
	17.00000	-37.60000	112.00000	-0.67375	111.75	0.0	0.0	0.0
	18.00000	-37.60000	112.00000	-0.59894	111.75	0.0	0.0	0.0
	19.00000	-37.60000	112.00000	-0.52928	111.75	0.0	0.0	0.0
	20.00000	-37.60000	112.00000	-0.46504	111.75	0.0	0.0	0.0
	21.00000	-37.60000	112.00000	-0.40633	111.75	0.0	0.0	0.0
	22.00000	-37.60000	112.00000	-0.35311	111.75	0.0	0.0	0.0
	23.00000	-37.60000	112.00000	-0.30521	111.75	0.0	0.0	0.0
	24.00000	-37.60000	112.00000	-0.26237	111.75	0.0	0.0	0.0
	25.00000	-37.60000	112.00000	-0.22425	111.75	0.0	0.0	0.0
	26.00000	-37.60000	112.00000	-0.19048	111.75	0.0	0.0	0.0
	27.00000	-37.60000	112.00000	-0.16068	111.75	0.0	0.0	0.0
	28.00000	-37.60000	112.00000	-0.13446	111.75	0.0	0.0	0.0
	29.00000	-37.60000	112.00000	-0.11143	111.75	0.0	0.0	0.0
	30.00000	-37.60000	112.00000	-0.091261	111.75	0.0	0.0	0.0
	31.00000	-37.60000	112.00000	-0.073615	111.75	0.0	0.0	0.0
	32.00000	-37.60000	112.00000	-0.058199	111.75	0.0	0.0	0.0
	33.00000	-37.60000	112.00000	-0.044749	111.75	0.0	0.0	0.0
	34.00000	-37.60000	112.00000	-0.033028	111.75	0.0	0.0	0.0
	35.00000	-37.60000	112.00000	-0.022827	111.75	0.0	0.0	0.0
	36.00000	-37.60000	112.00000	-0.013960	111.75	0.0	0.0	0.0
	37.00000	-37.60000	112.00000	-0.0062659	111.75	0.0	0.0	0.0
	38.00000	-37.60000	112.00000	399.14E-6	111.75	0.0	0.0	0.0
	39.00000	-37.60000	112.00000	0.0061604	111.75	0.0	0.0	0.0
	40.00000	-37.60000	112.00000	0.011128	111.75	0.0	0.0	0.0
	41.00000	-37.60000	112.00000	0.015397	111.75	0.0	0.0	0.0
	42.00000	-37.60000	112.00000	0.019054	111.75	0.0	0.0	0.0
	43.00000	-37.60000	112.00000	0.022171	111.75	0.0	0.0	0.0
	44.00000	-37.60000	112.00000	0.024814	111.75	0.0	0.0	0.0
	45.00000	-37.60000	112.00000	0.027041	111.75	0.0	0.0	0.0
	46.00000	-37.60000	112.00000	0.028901	111.75	0.0	0.0	0.0
	47.00000	-37.60000	112.00000	0.030439	111.75	0.0	0.0	0.0
	48.00000	-37.60000	112.00000	0.031693	111.75	0.0	0.0	0.0
	49.00000	-37.60000	112.00000	0.032699	111.75	0.0	0.0	0.0
	50.00000	-37.60000	112.00000	0.033485	111.75	0.0	0.0	0.0
	-20.00000	-36.56667	112.00000	-0.0055785	111.75	0.0	0.0	0.0
	-19.00000	-36.56667	112.00000	-0.013431	111.75	0.0	0.0	0.0
	-18.00000	-36.56667	112.00000	-0.022557	111.75	0.0	0.0	0.0
	-17.00000	-36.56667	112.00000	-0.033157	111.75	0.0	0.0	0.0
	-16.00000	-36.56667	112.00000	-0.045467	111.75	0.0	0.0	0.0
	-15.00000	-36.56667	112.00000	-0.059762	111.75	0.0	0.0	0.0
	-14.00000	-36.56667	112.00000	-0.076370	111.75	0.0	0.0	0.0
	-13.00000	-36.56667	112.00000	-0.095677	111.75	0.0	0.0	0.0
	-12.00000	-36.56667	112.00000	-0.11814	111.75	0.0	0.0	0.0
	-11.00000	-36.56667	112.00000	-0.14430	111.75	0.0	0.0	0.0
	-10.00000	-36.56667	112.00000	-0.17480	111.75	0.0	0.0	0.0
	-9.00000	-36.56667	112.00000	-0.21040	111.75	0.0	0.0	0.0
	-8.00000	-36.56667	112.00000	-0.25200	111.75	0.0	0.0	0.0
	-7.00000	-36.56667	112.00000	-0.30065	111.75	0.0	0.0	0.0
	-6.00000	-36.56667	112.00000	-0.35758	111.75	0.0	0.0	0.0
	-5.00000	-36.56667	112.00000	-0.42419	111.75	0.0	0.0	0.0
	-4.00000	-36.56667	112.00000	-0.50208	111.75	0.0	0.0	0.0
	-3.00000	-36.56667	112.00000	-0.59298	111.75	0.0	0.0	0.0
	-2.00000	-36.56667	112.00000	-0.69871	111.75	0.0	0.0	0.0
	-1.00000	-36.56667	112.00000	-0.82100	111.75	0.0	0.0	0.0
	0.00000	-36.56667	112.00000	-0.96120	111.75	0.0	0.0	0.0
	1.00000	-36.56667	112.00000	-1.1197	111.75	0.0	0.0	0.0
	2.00000	-36.56667	112.00000	-1.2946	111.75	0.0	0.0	0.0
	3.00000	-36.56667	112.00000	-1.4794	111.75	0.0	0.0	0.0
	4.00000	-36.56667	112.00000	-1.6576	111.75	0.0	0.0	0.0
	5.00000	-36.56667	112.00000	-1.7985	111.75	0.0	0.0	0.0
	6.00000	-36.56667	112.00000	-1.8699	111.75	0.0	0.0	0.0
	7.00000	-36.56667	112.00000	-1.8676	111.75	0.0	0.0	0.0
	8.00000	-36.56667	112.00000	-1.8111	111.75	0.0	0.0	0.0
	9.00000	-36.56667	112.00000	-1.7210	111.75	0.0	0.0	0.0
	10.00000	-36.56667	112.00000	-1.6121	111.75	0.0	0.0	0.0
	11.00000	-36.56667	112.00000	-1.4936	111.75	0.0	0.0	0.0
	12.00000	-36.56667	112.00000	-1.3716	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	-36.56667	112.00000	-1.2499	111.75	0.0	0.0	0.0
	14.00000	-36.56667	112.00000	-1.1310	111.75	0.0	0.0	0.0
	15.00000	-36.56667	112.00000	-1.0167	111.75	0.0	0.0	0.0
	16.00000	-36.56667	112.00000	-0.90807	111.75	0.0	0.0	0.0
	17.00000	-36.56667	112.00000	-0.80608	111.75	0.0	0.0	0.0
	18.00000	-36.56667	112.00000	-0.71130	111.75	0.0	0.0	0.0
	19.00000	-36.56667	112.00000	-0.62406	111.75	0.0	0.0	0.0
	20.00000	-36.56667	112.00000	-0.54453	111.75	0.0	0.0	0.0
	21.00000	-36.56667	112.00000	-0.47265	111.75	0.0	0.0	0.0
	22.00000	-36.56667	112.00000	-0.40821	111.75	0.0	0.0	0.0
	23.00000	-36.56667	112.00000	-0.35084	111.75	0.0	0.0	0.0
	24.00000	-36.56667	112.00000	-0.30007	111.75	0.0	0.0	0.0
	25.00000	-36.56667	112.00000	-0.25536	111.75	0.0	0.0	0.0
	26.00000	-36.56667	112.00000	-0.21615	111.75	0.0	0.0	0.0
	27.00000	-36.56667	112.00000	-0.18186	111.75	0.0	0.0	0.0
	28.00000	-36.56667	112.00000	-0.15194	111.75	0.0	0.0	0.0
	29.00000	-36.56667	112.00000	-0.12588	111.75	0.0	0.0	0.0
	30.00000	-36.56667	112.00000	-0.10322	111.75	0.0	0.0	0.0
	31.00000	-36.56667	112.00000	-0.083526	111.75	0.0	0.0	0.0
	32.00000	-36.56667	112.00000	-0.066423	111.75	0.0	0.0	0.0
	33.00000	-36.56667	112.00000	-0.051582	111.75	0.0	0.0	0.0
	34.00000	-36.56667	112.00000	-0.038712	111.75	0.0	0.0	0.0
	35.00000	-36.56667	112.00000	-0.027559	111.75	0.0	0.0	0.0
	36.00000	-36.56667	112.00000	-0.017903	111.75	0.0	0.0	0.0
	37.00000	-36.56667	112.00000	-0.0095518	111.75	0.0	0.0	0.0
	38.00000	-36.56667	112.00000	-0.0023389	111.75	0.0	0.0	0.0
	39.00000	-36.56667	112.00000	0.0038801	111.75	0.0	0.0	0.0
	40.00000	-36.56667	112.00000	0.0092305	111.75	0.0	0.0	0.0
	41.00000	-36.56667	112.00000	0.013821	111.75	0.0	0.0	0.0
	42.00000	-36.56667	112.00000	0.017748	111.75	0.0	0.0	0.0
	43.00000	-36.56667	112.00000	0.021093	111.75	0.0	0.0	0.0
	44.00000	-36.56667	112.00000	0.023927	111.75	0.0	0.0	0.0
	45.00000	-36.56667	112.00000	0.026315	111.75	0.0	0.0	0.0
	46.00000	-36.56667	112.00000	0.028311	111.75	0.0	0.0	0.0
	47.00000	-36.56667	112.00000	0.029964	111.75	0.0	0.0	0.0
	48.00000	-36.56667	112.00000	0.031316	111.75	0.0	0.0	0.0
	49.00000	-36.56667	112.00000	0.032403	111.75	0.0	0.0	0.0
	50.00000	-36.56667	112.00000	0.033259	111.75	0.0	0.0	0.0
	-20.00000	-35.53333	112.00000	-0.0081513	111.75	0.0	0.0	0.0
	-19.00000	-35.53333	112.00000	-0.016536	111.75	0.0	0.0	0.0
	-18.00000	-35.53333	112.00000	-0.026308	111.75	0.0	0.0	0.0
	-17.00000	-35.53333	112.00000	-0.037694	111.75	0.0	0.0	0.0
	-16.00000	-35.53333	112.00000	-0.050961	111.75	0.0	0.0	0.0
	-15.00000	-35.53333	112.00000	-0.066432	111.75	0.0	0.0	0.0
	-14.00000	-35.53333	112.00000	-0.084487	111.75	0.0	0.0	0.0
	-13.00000	-35.53333	112.00000	-0.10558	111.75	0.0	0.0	0.0
	-12.00000	-35.53333	112.00000	-0.13027	111.75	0.0	0.0	0.0
	-11.00000	-35.53333	112.00000	-0.15922	111.75	0.0	0.0	0.0
	-10.00000	-35.53333	112.00000	-0.19322	111.75	0.0	0.0	0.0
	-9.00000	-35.53333	112.00000	-0.23324	111.75	0.0	0.0	0.0
	-8.00000	-35.53333	112.00000	-0.28045	111.75	0.0	0.0	0.0
	-7.00000	-35.53333	112.00000	-0.33628	111.75	0.0	0.0	0.0
	-6.00000	-35.53333	112.00000	-0.40243	111.75	0.0	0.0	0.0
	-5.00000	-35.53333	112.00000	-0.48095	111.75	0.0	0.0	0.0
	-4.00000	-35.53333	112.00000	-0.57428	111.75	0.0	0.0	0.0
	-3.00000	-35.53333	112.00000	-0.68532	111.75	0.0	0.0	0.0
	-2.00000	-35.53333	112.00000	-0.81739	111.75	0.0	0.0	0.0
	-1.00000	-35.53333	112.00000	-0.97431	111.75	0.0	0.0	0.0
	0.00000	-35.53333	112.00000	-1.1602	111.75	0.0	0.0	0.0
	1.00000	-35.53333	112.00000	-1.3795	111.75	0.0	0.0	0.0
	2.00000	-35.53333	112.00000	-1.6360	111.75	0.0	0.0	0.0
	3.00000	-35.53333	112.00000	-1.9301	111.75	0.0	0.0	0.0
	4.00000	-35.53333	112.00000	-2.2488	111.75	0.0	0.0	0.0
	5.00000	-35.53333	112.00000	-2.5240	111.75	0.0	0.0	0.0
	6.00000	-35.53333	112.00000	-2.6238	111.75	0.0	0.0	0.0
	7.00000	-35.53333	112.00000	-2.5634	111.75	0.0	0.0	0.0
	8.00000	-35.53333	112.00000	-2.4272	111.75	0.0	0.0	0.0
	9.00000	-35.53333	112.00000	-2.2594	111.75	0.0	0.0	0.0
	10.00000	-35.53333	112.00000	-2.0802	111.75	0.0	0.0	0.0
	11.00000	-35.53333	112.00000	-1.8996	111.75	0.0	0.0	0.0
	12.00000	-35.53333	112.00000	-1.7229	111.75	0.0	0.0	0.0
	13.00000	-35.53333	112.00000	-1.5529	111.75	0.0	0.0	0.0
	14.00000	-35.53333	112.00000	-1.3913	111.75	0.0	0.0	0.0
	15.00000	-35.53333	112.00000	-1.2391	111.75	0.0	0.0	0.0
	16.00000	-35.53333	112.00000	-1.0970	111.75	0.0	0.0	0.0
	17.00000	-35.53333	112.00000	-0.96549	111.75	0.0	0.0	0.0
	18.00000	-35.53333	112.00000	-0.84484	111.75	0.0	0.0	0.0
	19.00000	-35.53333	112.00000	-0.73515	111.75	0.0	0.0	0.0
	20.00000	-35.53333	112.00000	-0.63635	111.75	0.0	0.0	0.0
	21.00000	-35.53333	112.00000	-0.54813	111.75	0.0	0.0	0.0
	22.00000	-35.53333	112.00000	-0.47000	111.75	0.0	0.0	0.0
	23.00000	-35.53333	112.00000	-0.40128	111.75	0.0	0.0	0.0
	24.00000	-35.53333	112.00000	-0.34118	111.75	0.0	0.0	0.0
	25.00000	-35.53333	112.00000	-0.28885	111.75	0.0	0.0	0.0
	26.00000	-35.53333	112.00000	-0.24344	111.75	0.0	0.0	0.0
	27.00000	-35.53333	112.00000	-0.20413	111.75	0.0	0.0	0.0
	28.00000	-35.53333	112.00000	-0.17014	111.75	0.0	0.0	0.0
	29.00000	-35.53333	112.00000	-0.14079	111.75	0.0	0.0	0.0
	30.00000	-35.53333	112.00000	-0.11545	111.75	0.0	0.0	0.0
	31.00000	-35.53333	112.00000	-0.093589	111.75	0.0	0.0	0.0
	32.00000	-35.53333	112.00000	-0.074719	111.75	0.0	0.0	0.0
	33.00000	-35.53333	112.00000	-0.058434	111.75	0.0	0.0	0.0
	34.00000	-35.53333	112.00000	-0.044382	111.75	0.0	0.0	0.0
	35.00000	-35.53333	112.00000	-0.032258	111.75	0.0	0.0	0.0
	36.00000	-35.53333	112.00000	-0.021801	111.75	0.0	0.0	0.0
	37.00000	-35.53333	112.00000	-0.012789	111.75	0.0	0.0	0.0
	38.00000	-35.53333	112.00000	-0.0050277	111.75	0.0	0.0	0.0
	39.00000	-35.53333	112.00000	0.0016467	111.75	0.0	0.0	0.0
	40.00000	-35.53333	112.00000	0.0073766	111.75	0.0	0.0	0.0
	41.00000	-35.53333	112.00000	0.012284	111.75	0.0	0.0	0.0
	42.00000	-35.53333	112.00000	0.016476	111.75	0.0	0.0	0.0
	43.00000	-35.53333	112.00000	0.020043	111.75	0.0	0.0	0.0
	44.00000	-35.53333	112.00000	0.023064	111.75	0.0	0.0	0.0
	45.00000	-35.53333	112.00000	0.025609	111.75	0.0	0.0	0.0
	46.00000	-35.53333	112.00000	0.027738	111.75	0.0	0.0	0.0
	47.00000	-35.53333	112.00000	0.029502	111.75	0.0	0.0	0.0
	48.00000	-35.53333	112.00000	0.030947	111.75	0.0	0.0	0.0
	49.00000	-35.53333	112.00000	0.032113	111.75	0.0	0.0	0.0
	50.00000	-35.53333	112.00000	0.033036	111.75	0.0	0.0	0.0
	-20.00000	-34.50000	112.00000	-0.010582	111.75	0.0	0.0	0.0
	-19.00000	-34.50000	112.00000	-0.019478	111.75	0.0	0.0	0.0
	-18.00000	-34.50000	112.00000	-0.029871	111.75	0.0	0.0	0.0
	-17.00000	-34.50000	112.00000	-0.042016	111.75	0.0	0.0	0.0
	-16.00000	-34.50000	112.00000	-0.056216	111.75	0.0	0.0	0.0
	-15.00000	-34.50000	112.00000	-0.072837	111.75	0.0	0.0	0.0
	-14.00000	-34.50000	112.00000	-0.092317	111.75	0.0	0.0	0.0
	-13.00000	-34.50000	112.00000	-0.11519	111.75	0.0	0.0	0.0
	-12.00000	-34.50000	112.00000	-0.14211	111.75	0.0	0.0	0.0
	-11.00000	-34.50000	112.00000	-0.17387	111.75	0.0	0.0	0.0
	-10.00000	-34.50000	112.00000	-0.21144	111.75	0.0	0.0	0.0
	-9.00000	-34.50000	112.00000	-0.25603	111.75	0.0	0.0	0.0
	-8.00000	-34.50000	112.00000	-0.30913	111.75	0.0	0.0	0.0
	-7.00000	-34.50000	112.00000	-0.37260	111.75	0.0	0.0	0.0
	-6.00000	-34.50000	112.00000	-0.44872	111.75	0.0	0.0	0.0
	-5.00000	-34.50000	112.00000	-0.54037	111.75	0.0	0.0	0.0
	-4.00000	-34.50000	112.00000	-0.65113	111.75	0.0	0.0	0.0
	-3.00000	-34.50000	112.00000	-0.78545	111.75	0.0	0.0	0.0
	-2.00000	-34.50000	112.00000	-0.94890	111.75	0.0	0.0	0.0
	-1.00000	-34.50000	112.00000	-1.1485	111.75	0.0	0.0	0.0
	0.00000	-34.50000	112.00000	-1.3932	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Hevae / Settlement
Pavilion Only (excluding Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	1.00000	-34.50000	112.00000	-1.6951	111.75	0.0	0.0	0.0
	2.00000	-34.50000	112.00000	-2.0715	111.75	0.0	0.0	0.0
	3.00000	-34.50000	112.00000	-2.5518	111.75	0.0	0.0	0.0
	4.00000	-34.50000	112.00000	-3.1984	111.75	0.0	0.0	0.0
	5.00000	-34.50000	112.00000	-4.1330	111.75	0.0	0.0	0.0
	6.00000	-34.50000	112.00000	-4.0828	111.75	0.0	0.0	0.0
	7.00000	-34.50000	112.00000	-3.7126	111.75	0.0	0.0	0.0
	8.00000	-34.50000	112.00000	-3.3572	111.75	0.0	0.0	0.0
	9.00000	-34.50000	112.00000	-3.0280	111.75	0.0	0.0	0.0
	10.00000	-34.50000	112.00000	-2.7236	111.75	0.0	0.0	0.0
	11.00000	-34.50000	112.00000	-2.4423	111.75	0.0	0.0	0.0
	12.00000	-34.50000	112.00000	-2.1824	111.75	0.0	0.0	0.0
	13.00000	-34.50000	112.00000	-1.9423	111.75	0.0	0.0	0.0
	14.00000	-34.50000	112.00000	-1.7206	111.75	0.0	0.0	0.0
	15.00000	-34.50000	112.00000	-1.5166	111.75	0.0	0.0	0.0
	16.00000	-34.50000	112.00000	-1.3294	111.75	0.0	0.0	0.0
	17.00000	-34.50000	112.00000	-1.1587	111.75	0.0	0.0	0.0
	18.00000	-34.50000	112.00000	-1.0042	111.75	0.0	0.0	0.0
	19.00000	-34.50000	112.00000	-0.86559	111.75	0.0	0.0	0.0
	20.00000	-34.50000	112.00000	-0.74235	111.75	0.0	0.0	0.0
	21.00000	-34.50000	112.00000	-0.63378	111.75	0.0	0.0	0.0
	22.00000	-34.50000	112.00000	-0.53893	111.75	0.0	0.0	0.0
	23.00000	-34.50000	112.00000	-0.45662	111.75	0.0	0.0	0.0
	24.00000	-34.50000	112.00000	-0.38557	111.75	0.0	0.0	0.0
	25.00000	-34.50000	112.00000	-0.32449	111.75	0.0	0.0	0.0
	26.00000	-34.50000	112.00000	-0.27210	111.75	0.0	0.0	0.0
	27.00000	-34.50000	112.00000	-0.22723	111.75	0.0	0.0	0.0
	28.00000	-34.50000	112.00000	-0.18882	111.75	0.0	0.0	0.0
	29.00000	-34.50000	112.00000	-0.15594	111.75	0.0	0.0	0.0
	30.00000	-34.50000	112.00000	-0.12778	111.75	0.0	0.0	0.0
	31.00000	-34.50000	112.00000	-0.10365	111.75	0.0	0.0	0.0
	32.00000	-34.50000	112.00000	-0.082956	111.75	0.0	0.0	0.0
	33.00000	-34.50000	112.00000	-0.065197	111.75	0.0	0.0	0.0
	34.00000	-34.50000	112.00000	-0.049948	111.75	0.0	0.0	0.0
	35.00000	-34.50000	112.00000	-0.036849	111.75	0.0	0.0	0.0
	36.00000	-34.50000	112.00000	-0.025595	111.75	0.0	0.0	0.0
	37.00000	-34.50000	112.00000	-0.015927	111.75	0.0	0.0	0.0
	38.00000	-34.50000	112.00000	-0.0076267	111.75	0.0	0.0	0.0
	39.00000	-34.50000	112.00000	-506.30E-6	111.75	0.0	0.0	0.0
	40.00000	-34.50000	112.00000	0.0055934	111.75	0.0	0.0	0.0
	41.00000	-34.50000	112.00000	0.010809	111.75	0.0	0.0	0.0
	42.00000	-34.50000	112.00000	0.015257	111.75	0.0	0.0	0.0
	43.00000	-34.50000	112.00000	0.019038	111.75	0.0	0.0	0.0
	44.00000	-34.50000	112.00000	0.022238	111.75	0.0	0.0	0.0
	45.00000	-34.50000	112.00000	0.024933	111.75	0.0	0.0	0.0
	46.00000	-34.50000	112.00000	0.027188	111.75	0.0	0.0	0.0
	47.00000	-34.50000	112.00000	0.029058	111.75	0.0	0.0	0.0
	48.00000	-34.50000	112.00000	0.030592	111.75	0.0	0.0	0.0
	49.00000	-34.50000	112.00000	0.031834	111.75	0.0	0.0	0.0
	50.00000	-34.50000	112.00000	0.032820	111.75	0.0	0.0	0.0

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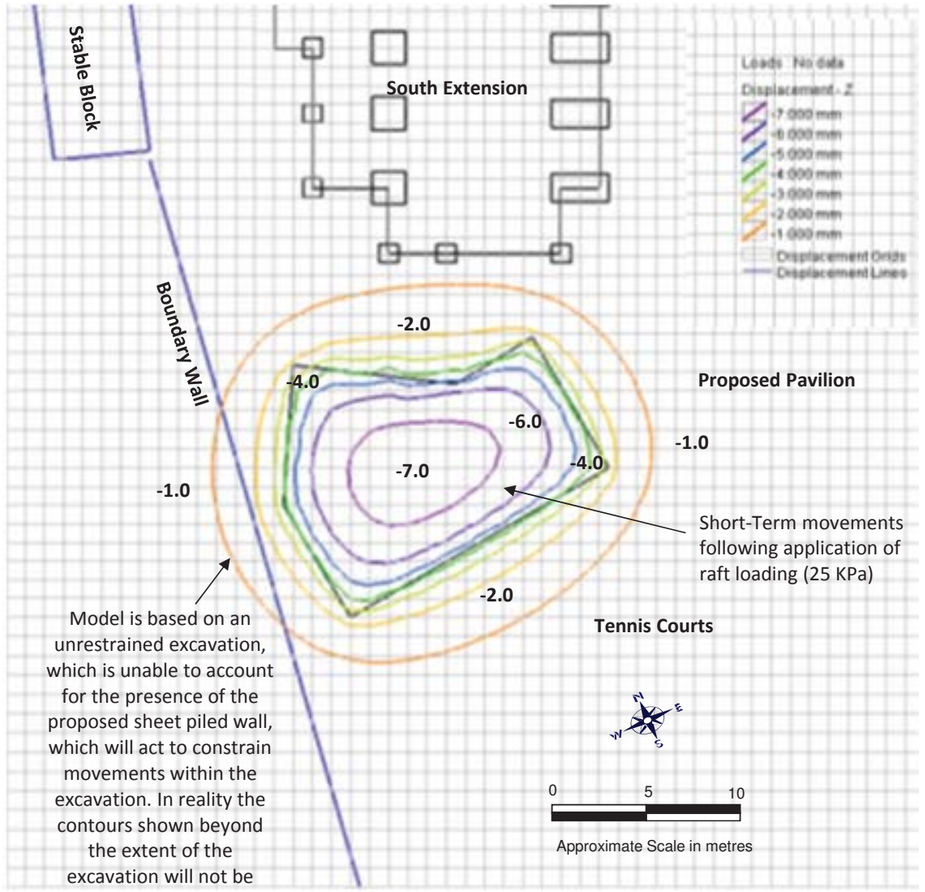
Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 7 - Short-Term Heave / Settlement - Pavilion Only (inc Raft)



Notes
Refer to Figure 7 for contour output

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.50
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: 60.00 [m OD]
Displacements at load centroids: Yes

Soil ProfilesSoil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	117.00	1	10000.	10000.	0.20000	None
2	115.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil ProfilesSoil Profile 2

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	114.00	1	10000.	10000.	0.20000	None
2	113.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil ProfilesSoil Profile 3

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	112.00	1	10000.	10000.	0.20000	None
2	111.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	52500.	106500.	0.50000	None
5	90.000	15	106500.	241500.	0.50000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Soil Zone 1	-20.00000	0.00000	-10.00000	40.00000	Soil Profile 1
2	Soil Zone 2	0.00000	31.00000	5.00000	40.00000	Soil Profile 1
3	Soil Zone 3	31.00000	50.00000	20.00000	40.00000	Soil Profile 1
4	Soil Zone 4	0.00000	31.00000	-10.00000	5.00000	Soil Profile 2
5	Soil Zone 5	31.00000	50.00000	-10.00000	20.00000	Soil Profile 2
6	Soil Zone 6	-20.00000	50.00000	-26.50000	-10.00000	Soil Profile 2
7	Soil Zone 7	-20.00000	5.00000	-34.50000	-26.50000	Soil Profile 2
8	Soil Zone 8	5.00000	50.00000	-34.50000	-26.50000	Soil Profile 3
9	Soil Zone 9	-20.00000	50.00000	-50.00000	-34.50000	Soil Profile 3

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates	Rectangle tolerance [%]	Number of rectangles	Load value Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,23) (24,20) (17,20) (17,15) (15.5,15) (15.5,12) (18.5,12) (18.5,10) (30,10) (30,23)	10.000	4	0.0	N/A	N/A
2	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,10) (24,4) (25,2) (29,2) (30,4) (30,10)	10.000	2	0.0	N/A	N/A
3	South Extension	Polygonal	Horizontal	N/A	N/A	113.00000	N/A	N/A	N/A	(1,0) (18,0) (18,-11.5) (16,-11.5) (16,-15) (7,-15) (7,-11.5) (3,-11.5) (3,-4) (1,-4)	10.000	3	0.0	N/A	N/A
4	Pavilion	Polygonal	Horizontal	N/A	N/A	110.50000	N/A	N/A	N/A	(2,-21) (10.5,-22) (14.5,-19.5) (18.5,-26.5) (5,-34.5) (1.5,-28.5)	5.0000	10	-35.000	N/A	N/A
5	L-Shaped RC Underpin for East Extension	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(30,23) (30,22) (25,22) (25,20) (24,20) (24,23)	10.000	2	0.0	N/A	N/A
6	RC Underpin of Wall 30	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(24.5,20) (17,20) (17,19) (24.5,19)	10.000	1	0.0	N/A	N/A
7	RC Underpin between Wall 27 & 29	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(15.5,15) (15.5,12) (16.5,12) (16.5,15)	10.000	1	0.0	N/A	N/A
8	RC Underpin of Wall 31	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(23.5,19) (24.5,19) (24.5,10) (23.5,10)	10.000	1	0.0	N/A	N/A
9	Pad 6	Rectangular	Horizontal	19.00000	13.00000	113.85000	0.0	2.5000	2.5000	N/A		N/A	1	0.0	0.0	0.0
10	Pad 1 - A	Rectangular	Horizontal	24.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
11	Pad 2 - A	Rectangular	Horizontal	25.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A		N/A	1	0.0	0.0	0.0
12	Pad 2 - B	Rectangular	Horizontal	29.00000	2.00000	113.85000	0.0	0.75000	0.75000	N/A		N/A	1	0.0	0.0	0.0
13	Pad 5 - A	Rectangular	Horizontal	7.00000	-0.50000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
14	Pad 5 - B	Rectangular	Horizontal	3.00000	-4.00000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
15	Pad 5 - C	Rectangular	Horizontal	3.00000	-7.50000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
16	Pad 5 - D	Rectangular	Horizontal	3.00000	-11.50000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
17	Pad 5 - E	Rectangular	Horizontal	7.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
18	Pad 5 - F	Rectangular	Horizontal	10.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
19	Pad 5 - G	Rectangular	Horizontal	16.00000	-15.00000	112.60000	0.0	1.0000	1.0000	N/A		N/A	1	0.0	0.0	0.0
20	Pad 4 - A	Rectangular	Horizontal	17.00000	-1.00000	112.60000	0.0	3.0000	1.5000	N/A		N/A	1	0.0	0.0	0.0
21	Pad 4 - B	Rectangular	Horizontal	17.00000	-4.00000	112.60000	0.0	3.0000	1.5000	N/A		N/A	1	0.0	0.0	0.0
22	Pad 4 - C	Rectangular	Horizontal	17.00000	-7.50000	112.60000	0.0	3.0000	1.5000	N/A		N/A	1	0.0	0.0	0.0
23	Pad 4 - D	Rectangular	Horizontal	17.00000	-11.50000	112.60000	0.0	3.0000	1.5000	N/A		N/A	1	0.0	0.0	0.0
24	Pad 3 - A	Rectangular	Horizontal	7.00000	-4.00000	112.60000	0.0	1.7500	1.7500	N/A		N/A	1	0.0	0.0	0.0
25	Pad 3 - B	Rectangular	Horizontal	7.00000	-7.50000	112.60000	0.0	1.7500	1.7500	N/A		N/A	1	0.0	0.0	0.0
26	Pad 3 - C	Rectangular	Horizontal	7.00000	-11.50000	112.60000	0.0	1.7500	1.7500	N/A		N/A	1	0.0	0.0	0.0
27	Pad 1 - B	Rectangular	Horizontal	30.00000	21.50000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates	Rectangle tolerance [%]	Number of rectangles	Load value Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
28	Pad 1 - C	Rectangular	Horizontal	30.00000	16.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
29	Pad 1 - D	Rectangular	Horizontal	30.00000	10.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
30	Pad 1 - E	Rectangular	Horizontal	30.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : East Extension					
(Edge 1 optimal)					
1	27.00000	21.50000	-90.000	3.0000	6.0000
2	23.50000	17.50000	-90.000	5.0000	13.000
3	22.75000	13.50000	-90.000	3.0000	14.500
4	24.25000	11.00000	-90.000	2.0000	11.500
Load 2 : East Extension					
(Edge 1 optimal)					
1	27.00000	7.00000	-90.000	6.0000	6.0000
2	27.00000	3.00000	-90.000	2.0000	5.0000
Load 3 : South Extension					
(Edge 1 optimal)					
1	10.50000	-7.75000	-90.000	7.5000	15.000
2	11.50000	-13.25000	-90.000	3.5000	9.0000
3	9.50000	-2.00000	-90.000	4.0000	17.000
Load 4 : Pavilion					
(Edge 1 optimal)					
1	3.53052	-30.88353	30.651	1.0634	7.7207
2	4.05044	-29.67497	30.651	1.0634	9.2700
3	4.57037	-28.46640	30.651	1.0634	10.819
4	5.09029	-27.25784	30.651	1.0634	12.369
5	6.54628	-26.44788	30.651	2.2676	12.278
6	8.93832	-26.03655	30.651	2.2676	10.547
7	11.33037	-25.62521	30.651	2.2676	8.8153
8	14.48617	-24.22666	30.651	4.5882	8.0040
9	15.95946	-22.15034	30.651	0.063725	6.0437
10	14.98649	-20.38345	30.651	0.063725	2.0146
Load 5 : L-Shaped RC Underpin for East Extension					
(Edge 2 optimal)					
1	27.00000	22.50000	-90.000	1.0000	6.0000
2	24.50000	21.00000	-90.000	2.0000	1.0000
Load 6 : RC Underpin of Wall 30					
(Edge 1 optimal)					
1	20.75000	19.50000	-180.00	7.5000	1.0000
Load 7 : RC Underpin between Wall 27 & 29					
(Edge 1 optimal)					
1	16.00000	13.50000	-90.000	3.0000	1.0000
Load 8 : RC Underpin of Wall 31					
(Edge 2 optimal)					
1	24.00000	14.50000	0.0	1.0000	9.0000

Displacement Data

Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	No. of intrvls along Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
1	Line	Line 1	N/A	0.00000	0.00000	113.50000	8.00000	0.00000	113.50000	8	N/A	N/A	No	N/A
2	Line	Line 2	N/A	16.00000	0.00000	113.50000	16.00000	5.00000	113.50000	5	N/A	N/A	No	N/A
3	Line	Line 3	N/A	8.00000	0.00000	113.50000	8.00000	5.00000	113.50000	5	N/A	N/A	No	N/A
4	Line	Line 4	N/A	8.00000	5.00000	113.50000	16.00000	5.00000	113.50000	8	N/A	N/A	No	N/A
5	Line	Line 5	N/A	16.00000	5.00000	113.50000	18.50000	6.50000	113.50000	2	N/A	N/A	No	N/A
6	Line	Line 6	N/A	18.50000	6.50000	113.50000	18.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
7	Line	Line 7	N/A	6.50000	12.00000	113.50000	18.50000	12.00000	113.50000	6	N/A	N/A	No	N/A
8	Line	Line 8	N/A	6.50000	6.50000	113.50000	6.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
9	Line	Line 9	N/A	4.00000	9.00000	113.50000	6.50000	9.00000	113.50000	2	N/A	N/A	No	N/A
10	Line	Line 10	N/A	4.00000	6.50000	113.50000	4.00000	9.00000	113.50000	2	N/A	N/A	No	N/A
11	Line	Line 11	N/A	4.00000	6.50000	113.50000	15.50000	6.50000	113.50000	5	N/A	N/A	No	N/A
12	Line	Line 12	N/A	15.50000	6.50000	113.50000	15.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
13	Line	Line 13	N/A	0.00000	8.00000	113.50000	4.00000	8.00000	113.50000	4	N/A	N/A	No	N/A
14	Line	Line 14	N/A	0.00000	0.00000	113.50000	0.00000	8.00000	113.50000	8	N/A	N/A	No	N/A
15	Line	Line 15	N/A	18.50000	6.50000	113.50000	20.00000	5.50000	113.50000	1	N/A	N/A	No	N/A
16	Line	Line 16	N/A	20.00000	5.50000	113.50000	23.00000	5.50000	113.50000	3	N/A	N/A	No	N/A
17	Line	Line 17	N/A	23.00000	5.50000	113.50000	24.00000	6.50000	113.50000	1	N/A	N/A	No	N/A
18	Line	Line 18	N/A	24.00000	6.50000	113.50000	24.00000	10.00000	113.50000	3	N/A	N/A	No	N/A
19	Line	Line 19	N/A	18.50000	10.00000	113.50000	24.00000	10.00000	113.50000	5	N/A	N/A	No	N/A
20	Line	Line 20	N/A	11.00000	12.00000	116.00000	11.00000	15.00000	116.00000	3	N/A	N/A	No	N/A
21	Line	Line 21	N/A	11.00000	15.00000	114.00000	10.00000	16.00000	114.00000	1	N/A	N/A	No	N/A
22	Line	Line 22	N/A	10.00000	16.00000	114.00000	9.00000	16.00000	114.00000	1	N/A	N/A	No	N/A
23	Line	Line 23	N/A	9.00000	16.00000	114.00000	9.00000	17.50000	114.00000	1	N/A	N/A	No	N/A
24	Line	Line 24	N/A	9.00000	17.50000	114.00000	10.00000	17.50000	114.00000	1	N/A	N/A	No	N/A
25	Line	Line 25	N/A	10.00000	17.50000	114.00000	11.00000	18.50000	114.00000	1	N/A	N/A	No	N/A
26	Line	Line 26	N/A	11.00000	18.50000	114.00000	11.00000	20.00000	114.00000	1	N/A	N/A	No	N/A
27	Line	Line 27	N/A	11.00000	20.00000	114.00000	17.00000	20.00000	114.00000	6	N/A	N/A	No	N/A
28	Line	Line 28	N/A	17.00000	15.00000	114.00000	17.00000	20.00000	114.00000	5	N/A	N/A	No	N/A
29	Line	Line 29	N/A	11.00000	15.00000	114.00000	17.00000	15.00000	114.00000	6	N/A	N/A	No	N/A
30	Line	Line 30	N/A	17.00000	20.00000	116.00000	24.00000	20.00000	116.00000	7	N/A	N/A	No	N/A
31	Line	Line 31	N/A	24.00000	10.00000	116.00000	24.00000	20.00000	116.00000	10	N/A	N/A	No	N/A
32	Line	Line 32	N/A	14.00000	22.00000	114.50000	50.00000	26.00000	114.50000	18	N/A	N/A	No	N/A
33	Line	Line 33	N/A	-4.00000	20.00000	114.50000	12.00000	21.75000	114.50000	8	N/A	N/A	No	N/A
34	Line	Line 34	N/A	-14.00000	18.75000	114.50000	-8.00000	19.50000	114.50000	6	N/A	N/A	No	N/A
35	Line	Line 35	N/A	-14.00000	18.00000	116.00000	-9.00000	18.50000	116.00000	5	N/A	N/A	No	N/A
36	Line	Line 36	N/A	-9.00000	18.50000	116.00000	-5.50000	-9.50000	116.00000	14	N/A	N/A	No	N/A
37	Line	Line 37	N/A	-10.50000	-9.99500	116.00000	-5.50000	-9.50000	116.00000	5	N/A	N/A	No	N/A
38	Line	Line 38	N/A	-14.00000	18.00000	116.00000	-10.50000	-9.99500	116.00000	14	N/A	N/A	No	N/A
39	Line	Line 39	N/A	-5.50000	-10.00000	113.00000	5.50000	-49.00000	111.00000	20	N/A	N/A	Yes	No
40	Grid	Grid 1	Global X	-20.00000	-9.99500	117.00000	N/A	40.00000	117.00000	50	19.99500	20	No	N/A
41	Grid	Grid 2	Global X	0.00000	5.00500	117.00000	N/A	40.00000	117.00000	35	30.99500	31	No	N/A
42	Grid	Grid 3	Global X	31.00000	20.00500	117.00000	N/A	40.00000	117.00000	20	19.00000	19	No	N/A
43	Grid	Grid 4	Global X	0.00000	-10.00000	114.00000	N/A	5.00000	114.00000	15	31.00000	31	No	N/A
44	Grid	Grid 5	Global X	30.00000	-10.00000	114.00000	N/A	20.00000	114.00000	30	20.00000	20	No	N/A
45	Grid	Grid 6	Global X	-20.00000	-26.49500	114.00000	N/A	-10.00000	114.00000	16	70.00000	70	Yes	No
46	Grid	Grid 7	Global X	-20.00000	-34.49500	114.00000	N/A	-26.50000	114.00000	8	24.99500	25	Yes	No
47	Grid	Grid 8	Global X	5.00000	-34.50000	112.00000	N/A	-26.50000	112.00000	8	45.00000	45	Yes	No
48	Grid	Grid 9	Global X	-20.00000	-50.00000	112.00000	N/A	-34.50000	112.00000	15	70.00000	70	Yes	No

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.50
Horizontal rigid boundary level: 60.00 [m OD]

The maximum displacement difference between the Boussinesq method (-6.9006mm) and the Mindlin method (-4.9387mm) occurs at point X = 4.99500m, Y = -28.49875m, level = 114.00mOD, and is 1.9619mm.

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
East Extension	23.81856	15.81773	114.00000	0.020344	113.60	0.0	0.0	0.0
East Extension	27.00000	6.14493	114.00000	0.015213	113.60	0.0	0.0	0.0
South Extension	10.32783	-6.72288	113.00000	-0.12178	112.75	0.0	0.0	0.0
Pavilion	8.88752	-26.39877	110.50000	-7.4985	110.25	-34.998	-100.96	-545.15E-6
L-Shaped RC Underpin for East Extension	26.37500	22.12500	113.85000	0.020000	113.37	0.0	0.0	0.0
RC Underpin of	20.75000	19.50000	113.85000	0.020535	113.37	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
Wall 30								
RC Underpin between Wall 27 & 29	16.00000	13.50000	113.85000	0.018806	113.37	0.0	0.0	0.0
RC Underpin of Wall 31	24.00000	14.50000	113.85000	0.020069	113.37	0.0	0.0	0.0
Pad 6	19.00000	13.00000	113.85000	0.018843	113.37	0.0	0.0	0.0
Pad 1 - A	24.00000	4.00000	113.85000	0.0091955	113.43	0.0	0.0	0.0
Pad 2 - A	25.00000	2.00000	113.85000	0.0054679	113.43	0.0	0.0	0.0
Pad 2 - B	29.00000	2.00000	113.85000	0.010736	113.43	0.0	0.0	0.0
Pad 5 - A	7.00000	-0.50000	112.60000	-0.027196	112.34	0.0	0.0	0.0
Pad 5 - B	3.00000	-4.00000	112.60000	-0.056944	112.34	0.0	0.0	0.0
Pad 5 - C	3.00000	-7.50000	112.60000	-0.11849	112.34	0.0	0.0	0.0
Pad 5 - D	3.00000	-11.50000	112.60000	-0.25660	112.34	0.0	0.0	0.0
Pad 5 - E	7.00000	-15.00000	112.60000	-0.64159	112.34	0.0	0.0	0.0
Pad 5 - F	10.00000	-15.00000	112.60000	-0.67317	112.34	0.0	0.0	0.0
Pad 5 - G	16.00000	-15.00000	112.60000	-0.52881	112.34	0.0	0.0	0.0
Pad 4 - A	17.00000	-1.00000	112.60000	-0.023837	112.34	0.0	0.0	0.0
Pad 4 - B	17.00000	-4.00000	112.60000	-0.052901	112.34	0.0	0.0	0.0
Pad 4 - C	17.00000	-7.50000	112.60000	-0.11074	112.34	0.0	0.0	0.0
Pad 4 - D	17.00000	-11.50000	112.60000	-0.23977	112.34	0.0	0.0	0.0
Pad 3 - A	7.00000	-4.00000	112.60000	-0.066707	112.34	0.0	0.0	0.0
Pad 3 - B	7.00000	-7.50000	112.60000	-0.13898	112.34	0.0	0.0	0.0
Pad 3 - C	7.00000	-11.50000	112.60000	-0.30844	112.34	0.0	0.0	0.0
Pad 1 - B	30.00000	21.50000	113.85000	0.019828	113.37	0.0	0.0	0.0
Pad 1 - C	30.00000	16.00000	113.85000	0.020470	113.37	0.0	0.0	0.0
Pad 1 - D	30.00000	10.00000	113.85000	0.019382	113.37	0.0	0.0	0.0
Pad 1 - E	30.00000	4.00000	113.85000	0.014720	113.43	0.0	0.0	0.0
Line 39	-5.50000	-10.00000	113.00000	-0.082202	112.75	0.0	0.0	0.0
	-4.95000	-11.95000	112.90000	-0.12198	112.61	0.0	0.0	0.0
	-4.40000	-13.90000	112.80000	-0.17776	112.52	0.0	0.0	0.0
	-3.85000	-15.85000	112.70000	-0.25705	112.43	0.0	0.0	0.0
	-3.30000	-17.80000	112.60000	-0.37100	112.34	0.0	0.0	0.0
	-2.75000	-19.75000	112.50000	-0.53481	112.25	0.0	0.0	0.0
	-2.20000	-21.70000	112.40000	-0.76263	112.16	0.0	0.0	0.0
	-1.65000	-23.65000	112.30000	-1.0481	112.01	0.0	0.0	0.0
	-1.10000	-25.60000	112.20000	-1.3495	111.93	0.0	0.0	0.0
	-0.55000	-27.55000	112.10000	-1.6036	111.84	0.0	0.0	0.0
	0.00000	-29.50000	112.00000	-1.6858	111.75	0.0	0.0	0.0
	0.55000	-31.45000	111.90000	-1.5284	111.66	0.0	0.0	0.0
	1.10000	-33.40000	111.80000	-1.2507	111.50	0.0	0.0	0.0
	1.65000	-35.35000	111.70000	-0.93607	111.35	0.0	0.0	0.0
	2.20000	-37.30000	111.60000	-0.65776	111.30	0.0	0.0	0.0
	2.75000	-39.25000	111.50000	-0.45250	111.25	0.0	0.0	0.0
	3.30000	-41.20000	111.40000	-0.31114	111.20	0.0	0.0	0.0
	3.85000	-43.15000	111.30000	-0.21436	111.15	0.0	0.0	0.0
	4.40000	-45.10000	111.20000	-0.14725	111.10	0.0	0.0	0.0
	4.95000	-47.05000	111.10000	-0.099983	111.05	0.0	0.0	0.0
	5.50000	-49.00000	111.00000	-0.066204	110.92	0.0	0.0	0.0
Grid 6	-20.00000	-26.49500	114.00000	-0.011878	113.75	0.0	0.0	0.0
	-19.00000	-26.49500	114.00000	-0.018310	113.75	0.0	0.0	0.0
	-18.00000	-26.49500	114.00000	-0.025903	113.75	0.0	0.0	0.0
	-17.00000	-26.49500	114.00000	-0.034880	113.75	0.0	0.0	0.0
	-16.00000	-26.49500	114.00000	-0.045519	113.75	0.0	0.0	0.0
	-15.00000	-26.49500	114.00000	-0.058165	113.75	0.0	0.0	0.0
	-14.00000	-26.49500	114.00000	-0.073252	113.75	0.0	0.0	0.0
	-13.00000	-26.49500	114.00000	-0.091331	113.75	0.0	0.0	0.0
	-12.00000	-26.49500	114.00000	-0.11311	113.75	0.0	0.0	0.0
	-11.00000	-26.49500	114.00000	-0.13949	113.75	0.0	0.0	0.0
	-10.00000	-26.49500	114.00000	-0.17169	113.75	0.0	0.0	0.0
	-9.00000	-26.49500	114.00000	-0.21130	113.75	0.0	0.0	0.0
	-8.00000	-26.49500	114.00000	-0.26046	113.75	0.0	0.0	0.0
	-7.00000	-26.49500	114.00000	-0.32216	113.75	0.0	0.0	0.0
	-6.00000	-26.49500	114.00000	-0.40053	113.75	0.0	0.0	0.0
	-5.00000	-26.49500	114.00000	-0.50154	113.75	0.0	0.0	0.0
	-4.00000	-26.49500	114.00000	-0.63407	113.75	0.0	0.0	0.0
	-3.00000	-26.49500	114.00000	-0.81177	113.75	0.0	0.0	0.0
	-2.00000	-26.49500	114.00000	-1.0570	113.75	0.0	0.0	0.0
	-1.00000	-26.49500	114.00000	-1.4095	113.75	0.0	0.0	0.0
	0.00000	-26.49500	114.00000	-1.9505	113.75	0.0	0.0	0.0
	1.00000	-26.49500	114.00000	-2.9090	113.75	0.0	0.0	0.0
	2.00000	-26.49500	114.00000	-4.9026	113.75	0.0	0.0	0.0
	3.00000	-26.49500	114.00000	-6.0326	113.75	0.0	0.0	0.0
	4.00000	-26.49500	114.00000	-6.6584	113.75	0.0	0.0	0.0
	5.00000	-26.49500	114.00000	-7.0468	113.75	0.0	0.0	0.0
	6.00000	-26.49500	114.00000	-7.2905	113.75	0.0	0.0	0.0
	7.00000	-26.49500	114.00000	-7.4327	113.75	0.0	0.0	0.0
	8.00000	-26.49500	114.00000	-7.4968	113.75	0.0	0.0	0.0
	9.00000	-26.49500	114.00000	-7.4963	113.75	0.0	0.0	0.0
	10.00000	-26.49500	114.00000	-7.4373	113.75	0.0	0.0	0.0
	11.00000	-26.49500	114.00000	-7.3202	113.75	0.0	0.0	0.0
	12.00000	-26.49500	114.00000	-7.1402	113.75	0.0	0.0	0.0
	13.00000	-26.49500	114.00000	-6.8877	113.75	0.0	0.0	0.0
	14.00000	-26.49500	114.00000	-6.5472	113.75	0.0	0.0	0.0
	15.00000	-26.49500	114.00000	-6.0949	113.75	0.0	0.0	0.0
	16.00000	-26.49500	114.00000	-5.4914	113.75	0.0	0.0	0.0
	17.00000	-26.49500	114.00000	-4.6604	113.75	0.0	0.0	0.0
	18.00000	-26.49500	114.00000	-3.4229	113.75	0.0	0.0	0.0
	19.00000	-26.49500	114.00000	-1.8207	113.75	0.0	0.0	0.0
	20.00000	-26.49500	114.00000	-1.2296	113.75	0.0	0.0	0.0
	21.00000	-26.49500	114.00000	-0.90023	113.75	0.0	0.0	0.0
	22.00000	-26.49500	114.00000	-0.68376	113.75	0.0	0.0	0.0
	23.00000	-26.49500	114.00000	-0.53098	113.75	0.0	0.0	0.0
	24.00000	-26.49500	114.00000	-0.41854	113.75	0.0	0.0	0.0
	25.00000	-26.49500	114.00000	-0.33340	113.75	0.0	0.0	0.0
	26.00000	-26.49500	114.00000	-0.26755	113.75	0.0	0.0	0.0
	27.00000	-26.49500	114.00000	-0.21577	113.75	0.0	0.0	0.0
	28.00000	-26.49500	114.00000	-0.17448	113.75	0.0	0.0	0.0
	29.00000	-26.49500	114.00000	-0.14120	113.75	0.0	0.0	0.0
	30.00000	-26.49500	114.00000	-0.11410	113.75	0.0	0.0	0.0
	31.00000	-26.49500	114.00000	-0.091866	113.75	0.0	0.0	0.0
	32.00000	-26.49500	114.00000	-0.073489	113.75	0.0	0.0	0.0
	33.00000	-26.49500	114.00000	-0.058213	113.75	0.0	0.0	0.0
	34.00000	-26.49500	114.00000	-0.045450	113.75	0.0	0.0	0.0
	35.00000	-26.49500	114.00000	-0.034744	113.75	0.0	0.0	0.0
	36.00000	-26.49500	114.00000	-0.025731	113.75	0.0	0.0	0.0
	37.00000	-26.49500	114.00000	-0.018125	113.75	0.0	0.0	0.0
	38.00000	-26.49500	114.00000	-0.011693	113.75	0.0	0.0	0.0
	39.00000	-26.49500	114.00000	-0.0062467	113.75	0.0	0.0	0.0
	40.00000	-26.49500	114.00000	-0.0016329	113.75	0.0	0.0	0.0
	41.00000	-26.49500	114.00000	0.0022756	113.75	0.0	0.0	0.0
	42.00000	-26.49500	114.00000	0.0055836	113.75	0.0	0.0	0.0
	43.00000	-26.49500	114.00000	0.0083789	113.75	0.0	0.0	0.0
	44.00000	-26.49500	114.00000	0.010735	113.75	0.0	0.0	0.0
	45.00000	-26.49500	114.00000	0.012714	113.75	0.0	0.0	0.0
	46.00000	-26.49500	114.00000	0.014368	113.75	0.0	0.0	0.0
	47.00000	-26.49500	114.00000	0.015741	113.75	0.0	0.0	0.0
	48.00000	-26.49500	114.00000	0.016873	113.75	0.0	0.0	0.0
	49.00000	-26.49500	114.00000	0.017795	113.75	0.0	0.0	0.0
	50.00000	-26.49500	114.00000	0.018536	113.75	0.0	0.0	0.0
	-20.00000	-25.46406	114.00000	-0.011714	113.75	0.0	0.0	0.0
	-19.00000	-25.46406	114.00000	-0.018110	113.75	0.0	0.0	0.0
	-18.00000	-25.46406	114.00000	-0.025659	113.75	0.0	0.0	0.0
	-17.00000	-25.46406	114.00000	-0.034581	113.75	0.0	0.0	0.0
	-16.00000	-25.46406	114.00000	-0.045151	113.75	0.0	0.0	0.0
	-15.00000	-25.46406	114.00000	-0.057711	113.75	0.0	0.0	0.0
	-14.00000	-25.46406	114.00000	-0.072688	113.75	0.0	0.0	0.0
	-13.00000	-25.46406	114.00000	-0.090626	113.75	0.0	0.0	0.0
	-12.00000	-25.46406	114.00000	-0.11222	113.75	0.0	0.0	0.0
	-11.00000	-25.46406	114.00000	-0.13837	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	-10.00000	-25.46406	114.00000	-0.17026	113.75	0.0	0.0	0.0
	-9.00000	-25.46406	114.00000	-0.20945	113.75	0.0	0.0	0.0
	-8.00000	-25.46406	114.00000	-0.25806	113.75	0.0	0.0	0.0
	-7.00000	-25.46406	114.00000	-0.31899	113.75	0.0	0.0	0.0
	-6.00000	-25.46406	114.00000	-0.39632	113.75	0.0	0.0	0.0
	-5.00000	-25.46406	114.00000	-0.49586	113.75	0.0	0.0	0.0
	-4.00000	-25.46406	114.00000	-0.62627	113.75	0.0	0.0	0.0
	-3.00000	-25.46406	114.00000	-0.80082	113.75	0.0	0.0	0.0
	-2.00000	-25.46406	114.00000	-1.0411	113.75	0.0	0.0	0.0
	-1.00000	-25.46406	114.00000	-1.3850	113.75	0.0	0.0	0.0
	0.00000	-25.46406	114.00000	-1.9085	113.75	0.0	0.0	0.0
	1.00000	-25.46406	114.00000	-2.8062	113.75	0.0	0.0	0.0
	2.00000	-25.46406	114.00000	-4.5312	113.75	0.0	0.0	0.0
	3.00000	-25.46406	114.00000	-5.9442	113.75	0.0	0.0	0.0
	4.00000	-25.46406	114.00000	-6.5755	113.75	0.0	0.0	0.0
	5.00000	-25.46406	114.00000	-6.9568	113.75	0.0	0.0	0.0
	6.00000	-25.46406	114.00000	-7.1948	113.75	0.0	0.0	0.0
	7.00000	-25.46406	114.00000	-7.3368	113.75	0.0	0.0	0.0
	8.00000	-25.46406	114.00000	-7.4084	113.75	0.0	0.0	0.0
	9.00000	-25.46406	114.00000	-7.4249	113.75	0.0	0.0	0.0
	10.00000	-25.46406	114.00000	-7.3926	113.75	0.0	0.0	0.0
	11.00000	-25.46406	114.00000	-7.3106	113.75	0.0	0.0	0.0
	12.00000	-25.46406	114.00000	-7.1720	113.75	0.0	0.0	0.0
	13.00000	-25.46406	114.00000	-6.9643	113.75	0.0	0.0	0.0
	14.00000	-25.46406	114.00000	-6.6686	113.75	0.0	0.0	0.0
	15.00000	-25.46406	114.00000	-6.2569	113.75	0.0	0.0	0.0
	16.00000	-25.46406	114.00000	-5.6801	113.75	0.0	0.0	0.0
	17.00000	-25.46406	114.00000	-4.8183	113.75	0.0	0.0	0.0
	18.00000	-25.46406	114.00000	-3.1119	113.75	0.0	0.0	0.0
	19.00000	-25.46406	114.00000	-1.8326	113.75	0.0	0.0	0.0
	20.00000	-25.46406	114.00000	-1.2532	113.75	0.0	0.0	0.0
	21.00000	-25.46406	114.00000	-0.91578	113.75	0.0	0.0	0.0
	22.00000	-25.46406	114.00000	-0.69363	113.75	0.0	0.0	0.0
	23.00000	-25.46406	114.00000	-0.53736	113.75	0.0	0.0	0.0
	24.00000	-25.46406	114.00000	-0.42276	113.75	0.0	0.0	0.0
	25.00000	-25.46406	114.00000	-0.33626	113.75	0.0	0.0	0.0
	26.00000	-25.46406	114.00000	-0.26952	113.75	0.0	0.0	0.0
	27.00000	-25.46406	114.00000	-0.21715	113.75	0.0	0.0	0.0
	28.00000	-25.46406	114.00000	-0.17547	113.75	0.0	0.0	0.0
	29.00000	-25.46406	114.00000	-0.14191	113.75	0.0	0.0	0.0
	30.00000	-25.46406	114.00000	-0.11462	113.75	0.0	0.0	0.0
	31.00000	-25.46406	114.00000	-0.092253	113.75	0.0	0.0	0.0
	32.00000	-25.46406	114.00000	-0.073780	113.75	0.0	0.0	0.0
	33.00000	-25.46406	114.00000	-0.058433	113.75	0.0	0.0	0.0
	34.00000	-25.46406	114.00000	-0.045620	113.75	0.0	0.0	0.0
	35.00000	-25.46406	114.00000	-0.034875	113.75	0.0	0.0	0.0
	36.00000	-25.46406	114.00000	-0.025834	113.75	0.0	0.0	0.0
	37.00000	-25.46406	114.00000	-0.018206	113.75	0.0	0.0	0.0
	38.00000	-25.46406	114.00000	-0.011757	113.75	0.0	0.0	0.0
	39.00000	-25.46406	114.00000	-0.0062989	113.75	0.0	0.0	0.0
	40.00000	-25.46406	114.00000	-0.0016753	113.75	0.0	0.0	0.0
	41.00000	-25.46406	114.00000	0.0022407	113.75	0.0	0.0	0.0
	42.00000	-25.46406	114.00000	0.0055547	113.75	0.0	0.0	0.0
	43.00000	-25.46406	114.00000	0.0083547	113.75	0.0	0.0	0.0
	44.00000	-25.46406	114.00000	0.010714	113.75	0.0	0.0	0.0
	45.00000	-25.46406	114.00000	0.012696	113.75	0.0	0.0	0.0
	46.00000	-25.46406	114.00000	0.014353	113.75	0.0	0.0	0.0
	47.00000	-25.46406	114.00000	0.015728	113.75	0.0	0.0	0.0
	48.00000	-25.46406	114.00000	0.016861	113.75	0.0	0.0	0.0
	49.00000	-25.46406	114.00000	0.017785	113.75	0.0	0.0	0.0
	50.00000	-25.46406	114.00000	0.018527	113.75	0.0	0.0	0.0
	-20.00000	-24.43313	114.00000	-0.011330	113.75	0.0	0.0	0.0
	-19.00000	-24.43313	114.00000	-0.017642	113.75	0.0	0.0	0.0
	-18.00000	-24.43313	114.00000	-0.025086	113.75	0.0	0.0	0.0
	-17.00000	-24.43313	114.00000	-0.033878	113.75	0.0	0.0	0.0
	-16.00000	-24.43313	114.00000	-0.044285	113.75	0.0	0.0	0.0
	-15.00000	-24.43313	114.00000	-0.056639	113.75	0.0	0.0	0.0
	-14.00000	-24.43313	114.00000	-0.071354	113.75	0.0	0.0	0.0
	-13.00000	-24.43313	114.00000	-0.088955	113.75	0.0	0.0	0.0
	-12.00000	-24.43313	114.00000	-0.11011	113.75	0.0	0.0	0.0
	-11.00000	-24.43313	114.00000	-0.13569	113.75	0.0	0.0	0.0
	-10.00000	-24.43313	114.00000	-0.16682	113.75	0.0	0.0	0.0
	-9.00000	-24.43313	114.00000	-0.20500	113.75	0.0	0.0	0.0
	-8.00000	-24.43313	114.00000	-0.25223	113.75	0.0	0.0	0.0
	-7.00000	-24.43313	114.00000	-0.31126	113.75	0.0	0.0	0.0
	-6.00000	-24.43313	114.00000	-0.38592	113.75	0.0	0.0	0.0
	-5.00000	-24.43313	114.00000	-0.48166	113.75	0.0	0.0	0.0
	-4.00000	-24.43313	114.00000	-0.60653	113.75	0.0	0.0	0.0
	-3.00000	-24.43313	114.00000	-0.77283	113.75	0.0	0.0	0.0
	-2.00000	-24.43313	114.00000	-1.0005	113.75	0.0	0.0	0.0
	-1.00000	-24.43313	114.00000	-1.3244	113.75	0.0	0.0	0.0
	0.00000	-24.43313	114.00000	-1.8151	113.75	0.0	0.0	0.0
	1.00000	-24.43313	114.00000	-2.6713	113.75	0.0	0.0	0.0
	2.00000	-24.43313	114.00000	-4.5935	113.75	0.0	0.0	0.0
	3.00000	-24.43313	114.00000	-5.7543	113.75	0.0	0.0	0.0
	4.00000	-24.43313	114.00000	-6.3710	113.75	0.0	0.0	0.0
	5.00000	-24.43313	114.00000	-6.7350	113.75	0.0	0.0	0.0
	6.00000	-24.43313	114.00000	-6.9582	113.75	0.0	0.0	0.0
	7.00000	-24.43313	114.00000	-7.0907	113.75	0.0	0.0	0.0
	8.00000	-24.43313	114.00000	-7.1602	113.75	0.0	0.0	0.0
	9.00000	-24.43313	114.00000	-7.1882	113.75	0.0	0.0	0.0
	10.00000	-24.43313	114.00000	-7.1817	113.75	0.0	0.0	0.0
	11.00000	-24.43313	114.00000	-7.1347	113.75	0.0	0.0	0.0
	12.00000	-24.43313	114.00000	-7.0354	113.75	0.0	0.0	0.0
	13.00000	-24.43313	114.00000	-6.8639	113.75	0.0	0.0	0.0
	14.00000	-24.43313	114.00000	-6.5913	113.75	0.0	0.0	0.0
	15.00000	-24.43313	114.00000	-6.1747	113.75	0.0	0.0	0.0
	16.00000	-24.43313	114.00000	-5.5306	113.75	0.0	0.0	0.0
	17.00000	-24.43313	114.00000	-4.4052	113.75	0.0	0.0	0.0
	18.00000	-24.43313	114.00000	-2.5541	113.75	0.0	0.0	0.0
	19.00000	-24.43313	114.00000	-1.6955	113.75	0.0	0.0	0.0
	20.00000	-24.43313	114.00000	-1.2068	113.75	0.0	0.0	0.0
	21.00000	-24.43313	114.00000	-0.89491	113.75	0.0	0.0	0.0
	22.00000	-24.43313	114.00000	-0.68227	113.75	0.0	0.0	0.0
	23.00000	-24.43313	114.00000	-0.53034	113.75	0.0	0.0	0.0
	24.00000	-24.43313	114.00000	-0.41806	113.75	0.0	0.0	0.0
	25.00000	-24.43313	114.00000	-0.33293	113.75	0.0	0.0	0.0
	26.00000	-24.43313	114.00000	-0.26707	113.75	0.0	0.0	0.0
	27.00000	-24.43313	114.00000	-0.21530	113.75	0.0	0.0	0.0
	28.00000	-24.43313	114.00000	-0.17404	113.75	0.0	0.0	0.0
	29.00000	-24.43313	114.00000	-0.14080	113.75	0.0	0.0	0.0
	30.00000	-24.43313	114.00000	-0.11374	113.75	0.0	0.0	0.0
	31.00000	-24.43313	114.00000	-0.091549	113.75	0.0	0.0	0.0
	32.00000	-24.43313	114.00000	-0.073214	113.75	0.0	0.0	0.0
	33.00000	-24.43313	114.00000	-0.057975	113.75	0.0	0.0	0.0
	34.00000	-24.43313	114.00000	-0.045247	113.75	0.0	0.0	0.0
	35.00000	-24.43313	114.00000	-0.034571	113.75	0.0	0.0	0.0
	36.00000	-24.43313	114.00000	-0.025585	113.75	0.0	0.0	0.0
	37.00000	-24.43313	114.00000	-0.018002	113.75	0.0	0.0	0.0
	38.00000	-24.43313	114.00000	-0.011590	113.75	0.0	0.0	0.0
	39.00000	-24.43313	114.00000	-0.0061617	113.75	0.0	0.0	0.0
	40.00000	-24.43313	114.00000	-0.0015629	113.75	0.0	0.0	0.0
	41.00000	-24.43313	114.00000	0.0023325	113.75	0.0	0.0	0.0
	42.00000	-24.43313	114.00000	0.0056295	113.75	0.0	0.0	0.0
	43.00000	-24.43313	114.00000	0.0084153	113.75	0.0	0.0	0.0
	44.00000	-24.43313	114.00000	0.010763	113.75	0.0	0.0	0.0
	45.00000	-24.43313	114.00000	0.012735	113.75	0.0	0.0	0.0
	46.00000	-24.43313	114.00000	0.014383	113.75	0.0	0.0	0.0
	47.00000	-24.43313	114.00000	0.015752	113.75	0.0	0.0	0.0
	48.00000	-24.43313	114.00000	0.016879	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	49.00000	-24.43313	114.00000	0.017798	113.75	0.0	0.0	0.0
	50.00000	-24.43313	114.00000	0.018536	113.75	0.0	0.0	0.0
	-20.00000	-23.40219	114.00000	-0.0107735	113.75	0.0	0.0	0.0
	-19.00000	-23.40219	114.00000	-0.016916	113.75	0.0	0.0	0.0
	-18.00000	-23.40219	114.00000	-0.024198	113.75	0.0	0.0	0.0
	-17.00000	-23.40219	114.00000	-0.032789	113.75	0.0	0.0	0.0
	-16.00000	-23.40219	114.00000	-0.042944	113.75	0.0	0.0	0.0
	-15.00000	-23.40219	114.00000	-0.054980	113.75	0.0	0.0	0.0
	-14.00000	-23.40219	114.00000	-0.069290	113.75	0.0	0.0	0.0
	-13.00000	-23.40219	114.00000	-0.086372	113.75	0.0	0.0	0.0
	-12.00000	-23.40219	114.00000	-0.10686	113.75	0.0	0.0	0.0
	-11.00000	-23.40219	114.00000	-0.13156	113.75	0.0	0.0	0.0
	-10.00000	-23.40219	114.00000	-0.16152	113.75	0.0	0.0	0.0
	-9.00000	-23.40219	114.00000	-0.19814	113.75	0.0	0.0	0.0
	-8.00000	-23.40219	114.00000	-0.24325	113.75	0.0	0.0	0.0
	-7.00000	-23.40219	114.00000	-0.29936	113.75	0.0	0.0	0.0
	-6.00000	-23.40219	114.00000	-0.36992	113.75	0.0	0.0	0.0
	-5.00000	-23.40219	114.00000	-0.45982	113.75	0.0	0.0	0.0
	-4.00000	-23.40219	114.00000	-0.57618	113.75	0.0	0.0	0.0
	-3.00000	-23.40219	114.00000	-0.72978	113.75	0.0	0.0	0.0
	-2.00000	-23.40219	114.00000	-0.93803	113.75	0.0	0.0	0.0
	-1.00000	-23.40219	114.00000	-1.2315	113.75	0.0	0.0	0.0
	0.00000	-23.40219	114.00000	-1.6721	113.75	0.0	0.0	0.0
	1.00000	-23.40219	114.00000	-2.4167	113.75	0.0	0.0	0.0
	2.00000	-23.40219	114.00000	-3.8505	113.75	0.0	0.0	0.0
	3.00000	-23.40219	114.00000	-5.4093	113.75	0.0	0.0	0.0
	4.00000	-23.40219	114.00000	-6.0042	113.75	0.0	0.0	0.0
	5.00000	-23.40219	114.00000	-6.3269	113.75	0.0	0.0	0.0
	6.00000	-23.40219	114.00000	-6.5197	113.75	0.0	0.0	0.0
	7.00000	-23.40219	114.00000	-6.6289	113.75	0.0	0.0	0.0
	8.00000	-23.40219	114.00000	-6.6685	113.75	0.0	0.0	0.0
	9.00000	-23.40219	114.00000	-6.7064	113.75	0.0	0.0	0.0
	10.00000	-23.40219	114.00000	-6.7417	113.75	0.0	0.0	0.0
	11.00000	-23.40219	114.00000	-6.7453	113.75	0.0	0.0	0.0
	12.00000	-23.40219	114.00000	-6.7050	113.75	0.0	0.0	0.0
	13.00000	-23.40219	114.00000	-6.5831	113.75	0.0	0.0	0.0
	14.00000	-23.40219	114.00000	-6.3311	113.75	0.0	0.0	0.0
	15.00000	-23.40219	114.00000	-5.8799	113.75	0.0	0.0	0.0
	16.00000	-23.40219	114.00000	-5.0698	113.75	0.0	0.0	0.0
	17.00000	-23.40219	114.00000	-3.2953	113.75	0.0	0.0	0.0
	18.00000	-23.40219	114.00000	-2.1451	113.75	0.0	0.0	0.0
	19.00000	-23.40219	114.00000	-1.5185	113.75	0.0	0.0	0.0
	20.00000	-23.40219	114.00000	-1.1184	113.75	0.0	0.0	0.0
	21.00000	-23.40219	114.00000	-0.84588	113.75	0.0	0.0	0.0
	22.00000	-23.40219	114.00000	-0.65257	113.75	0.0	0.0	0.0
	23.00000	-23.40219	114.00000	-0.51113	113.75	0.0	0.0	0.0
	24.00000	-23.40219	114.00000	-0.40500	113.75	0.0	0.0	0.0
	25.00000	-23.40219	114.00000	-0.32372	113.75	0.0	0.0	0.0
	26.00000	-23.40219	114.00000	-0.26039	113.75	0.0	0.0	0.0
	27.00000	-23.40219	114.00000	-0.21033	113.75	0.0	0.0	0.0
	28.00000	-23.40219	114.00000	-0.17028	113.75	0.0	0.0	0.0
	29.00000	-23.40219	114.00000	-0.13791	113.75	0.0	0.0	0.0
	30.00000	-23.40219	114.00000	-0.11149	113.75	0.0	0.0	0.0
	31.00000	-23.40219	114.00000	-0.089779	113.75	0.0	0.0	0.0
	32.00000	-23.40219	114.00000	-0.071808	113.75	0.0	0.0	0.0
	33.00000	-23.40219	114.00000	-0.056851	113.75	0.0	0.0	0.0
	34.00000	-23.40219	114.00000	-0.044342	113.75	0.0	0.0	0.0
	35.00000	-23.40219	114.00000	-0.033838	113.75	0.0	0.0	0.0
	36.00000	-23.40219	114.00000	-0.024990	113.75	0.0	0.0	0.0
	37.00000	-23.40219	114.00000	-0.017517	113.75	0.0	0.0	0.0
	38.00000	-23.40219	114.00000	-0.011194	113.75	0.0	0.0	0.0
	39.00000	-23.40219	114.00000	-0.0058379	113.75	0.0	0.0	0.0
	40.00000	-23.40219	114.00000	-0.0012979	113.75	0.0	0.0	0.0
	41.00000	-23.40219	114.00000	0.0025494	113.75	0.0	0.0	0.0
	42.00000	-23.40219	114.00000	0.0058066	113.75	0.0	0.0	0.0
	43.00000	-23.40219	114.00000	0.0085596	113.75	0.0	0.0	0.0
	44.00000	-23.40219	114.00000	0.010880	113.75	0.0	0.0	0.0
	45.00000	-23.40219	114.00000	0.012830	113.75	0.0	0.0	0.0
	46.00000	-23.40219	114.00000	0.014459	113.75	0.0	0.0	0.0
	47.00000	-23.40219	114.00000	0.015812	113.75	0.0	0.0	0.0
	48.00000	-23.40219	114.00000	0.016927	113.75	0.0	0.0	0.0
	49.00000	-23.40219	114.00000	0.017834	113.75	0.0	0.0	0.0
	50.00000	-23.40219	114.00000	0.018563	113.75	0.0	0.0	0.0
	-20.00000	-22.37125	114.00000	-0.0099409	113.75	0.0	0.0	0.0
	-19.00000	-22.37125	114.00000	-0.015949	113.75	0.0	0.0	0.0
	-18.00000	-22.37125	114.00000	-0.023017	113.75	0.0	0.0	0.0
	-17.00000	-22.37125	114.00000	-0.031342	113.75	0.0	0.0	0.0
	-16.00000	-22.37125	114.00000	-0.041164	113.75	0.0	0.0	0.0
	-15.00000	-22.37125	114.00000	-0.052780	113.75	0.0	0.0	0.0
	-14.00000	-22.37125	114.00000	-0.066559	113.75	0.0	0.0	0.0
	-13.00000	-22.37125	114.00000	-0.082961	113.75	0.0	0.0	0.0
	-12.00000	-22.37125	114.00000	-0.10257	113.75	0.0	0.0	0.0
	-11.00000	-22.37125	114.00000	-0.12612	113.75	0.0	0.0	0.0
	-10.00000	-22.37125	114.00000	-0.15457	113.75	0.0	0.0	0.0
	-9.00000	-22.37125	114.00000	-0.18917	113.75	0.0	0.0	0.0
	-8.00000	-22.37125	114.00000	-0.23155	113.75	0.0	0.0	0.0
	-7.00000	-22.37125	114.00000	-0.28391	113.75	0.0	0.0	0.0
	-6.00000	-22.37125	114.00000	-0.34924	113.75	0.0	0.0	0.0
	-5.00000	-22.37125	114.00000	-0.43170	113.75	0.0	0.0	0.0
	-4.00000	-22.37125	114.00000	-0.53724	113.75	0.0	0.0	0.0
	-3.00000	-22.37125	114.00000	-0.67472	113.75	0.0	0.0	0.0
	-2.00000	-22.37125	114.00000	-0.85812	113.75	0.0	0.0	0.0
	-1.00000	-22.37125	114.00000	-1.1116	113.75	0.0	0.0	0.0
	0.00000	-22.37125	114.00000	-1.4843	113.75	0.0	0.0	0.0
	1.00000	-22.37125	114.00000	-2.1236	113.75	0.0	0.0	0.0
	2.00000	-22.37125	114.00000	-3.7625	113.75	0.0	0.0	0.0
	3.00000	-22.37125	114.00000	-4.8319	113.75	0.0	0.0	0.0
	4.00000	-22.37125	114.00000	-5.3765	113.75	0.0	0.0	0.0
	5.00000	-22.37125	114.00000	-5.5543	113.75	0.0	0.0	0.0
	6.00000	-22.37125	114.00000	-5.6957	113.75	0.0	0.0	0.0
	7.00000	-22.37125	114.00000	-5.8095	113.75	0.0	0.0	0.0
	8.00000	-22.37125	114.00000	-5.5444	113.75	0.0	0.0	0.0
	9.00000	-22.37125	114.00000	-5.7123	113.75	0.0	0.0	0.0
	10.00000	-22.37125	114.00000	-5.8924	113.75	0.0	0.0	0.0
	11.00000	-22.37125	114.00000	-5.9765	113.75	0.0	0.0	0.0
	12.00000	-22.37125	114.00000	-6.0927	113.75	0.0	0.0	0.0
	13.00000	-22.37125	114.00000	-6.0828	113.75	0.0	0.0	0.0
	14.00000	-22.37125	114.00000	-5.8756	113.75	0.0	0.0	0.0
	15.00000	-22.37125	114.00000	-5.3614	113.75	0.0	0.0	0.0
	16.00000	-22.37125	114.00000	-4.1619	113.75	0.0	0.0	0.0
	17.00000	-22.37125	114.00000	-2.5497	113.75	0.0	0.0	0.0
	18.00000	-22.37125	114.00000	-1.8006	113.75	0.0	0.0	0.0
	19.00000	-22.37125	114.00000	-1.3314	113.75	0.0	0.0	0.0
	20.00000	-22.37125	114.00000	-1.0094	113.75	0.0	0.0	0.0
	21.00000	-22.37125	114.00000	-0.77889	113.75	0.0	0.0	0.0
	22.00000	-22.37125	114.00000	-0.60946	113.75	0.0	0.0	0.0
	23.00000	-22.37125	114.00000	-0.48223	113.75	0.0	0.0	0.0
	24.00000	-22.37125	114.00000	-0.38495	113.75	0.0	0.0	0.0
	25.00000	-22.37125	114.00000	-0.30941	113.75	0.0	0.0	0.0
	26.00000	-22.37125	114.00000	-0.24993	113.75	0.0	0.0	0.0
	27.00000	-22.37125	114.00000	-0.20254	113.75	0.0	0.0	0.0
	28.00000	-22.37125	114.00000	-0.16438	113.75	0.0	0.0	0.0
	29.00000	-22.37125	114.00000	-0.13337	113.75	0.0	0.0	0.0
	30.00000	-22.37125	114.00000	-0.10796	113.75	0.0	0.0	0.0
	31.00000	-22.37125	114.00000	-0.087006	113.75	0.0	0.0	0.0
	32.00000	-22.37125	114.00000	-0.069610	113.75	0.0	0.0	0.0
	33.00000	-22.37125	114.00000	-0.055095	113.75	0.0	0.0	0.0
	34.00000	-22.37125	114.00000	-0.042931	113.75	0.0	0.0	0.0
	35.00000	-22.37125	114.00000	-0.032698	113.75	0.0	0.0	0.0
	36.00000	-22.37125	114.00000	-0.024065	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	37.00000	-22.37125	114.00000	-0.016763	113.75	0.0	0.0	0.0
	38.00000	-22.37125	114.00000	-0.010579	113.75	0.0	0.0	0.0
	39.00000	-22.37125	114.00000	-0.0053344	113.75	0.0	0.0	0.0
	40.00000	-22.37125	114.00000	-885.74E-6	113.75	0.0	0.0	0.0
	41.00000	-22.37125	114.00000	0.0028868	113.75	0.0	0.0	0.0
	42.00000	-22.37125	114.00000	0.0060826	113.75	0.0	0.0	0.0
	43.00000	-22.37125	114.00000	0.0087849	113.75	0.0	0.0	0.0
	44.00000	-22.37125	114.00000	0.011064	113.75	0.0	0.0	0.0
	45.00000	-22.37125	114.00000	0.012978	113.75	0.0	0.0	0.0
	46.00000	-22.37125	114.00000	0.014578	113.75	0.0	0.0	0.0
	47.00000	-22.37125	114.00000	0.015907	113.75	0.0	0.0	0.0
	48.00000	-22.37125	114.00000	0.017002	113.75	0.0	0.0	0.0
	49.00000	-22.37125	114.00000	0.017893	113.75	0.0	0.0	0.0
	50.00000	-22.37125	114.00000	0.018608	113.75	0.0	0.0	0.0
	-20.00000	-21.34031	114.00000	-0.0089655	113.75	0.0	0.0	0.0
	-19.00000	-21.34031	114.00000	-0.014762	113.75	0.0	0.0	0.0
	-18.00000	-21.34031	114.00000	-0.021569	113.75	0.0	0.0	0.0
	-17.00000	-21.34031	114.00000	-0.029570	113.75	0.0	0.0	0.0
	-16.00000	-21.34031	114.00000	-0.038990	113.75	0.0	0.0	0.0
	-15.00000	-21.34031	114.00000	-0.050100	113.75	0.0	0.0	0.0
	-14.00000	-21.34031	114.00000	-0.063239	113.75	0.0	0.0	0.0
	-13.00000	-21.34031	114.00000	-0.078826	113.75	0.0	0.0	0.0
	-12.00000	-21.34031	114.00000	-0.097384	113.75	0.0	0.0	0.0
	-11.00000	-21.34031	114.00000	-0.11958	113.75	0.0	0.0	0.0
	-10.00000	-21.34031	114.00000	-0.14624	113.75	0.0	0.0	0.0
	-9.00000	-21.34031	114.00000	-0.17847	113.75	0.0	0.0	0.0
	-8.00000	-21.34031	114.00000	-0.21767	113.75	0.0	0.0	0.0
	-7.00000	-21.34031	114.00000	-0.26569	113.75	0.0	0.0	0.0
	-6.00000	-21.34031	114.00000	-0.32501	113.75	0.0	0.0	0.0
	-5.00000	-21.34031	114.00000	-0.39899	113.75	0.0	0.0	0.0
	-4.00000	-21.34031	114.00000	-0.49230	113.75	0.0	0.0	0.0
	-3.00000	-21.34031	114.00000	-0.61163	113.75	0.0	0.0	0.0
	-2.00000	-21.34031	114.00000	-0.76703	113.75	0.0	0.0	0.0
	-1.00000	-21.34031	114.00000	-0.97469	113.75	0.0	0.0	0.0
	0.00000	-21.34031	114.00000	-1.2638	113.75	0.0	0.0	0.0
	1.00000	-21.34031	114.00000	-1.6961	113.75	0.0	0.0	0.0
	2.00000	-21.34031	114.00000	-2.3721	113.75	0.0	0.0	0.0
	3.00000	-21.34031	114.00000	-3.3457	113.75	0.0	0.0	0.0
	4.00000	-21.34031	114.00000	-4.2663	113.75	0.0	0.0	0.0
	5.00000	-21.34031	114.00000	-3.8249	113.75	0.0	0.0	0.0
	6.00000	-21.34031	114.00000	-3.7742	113.75	0.0	0.0	0.0
	7.00000	-21.34031	114.00000	-4.3740	113.75	0.0	0.0	0.0
	8.00000	-21.34031	114.00000	-3.6896	113.75	0.0	0.0	0.0
	9.00000	-21.34031	114.00000	-3.6916	113.75	0.0	0.0	0.0
	10.00000	-21.34031	114.00000	-4.1033	113.75	0.0	0.0	0.0
	11.00000	-21.34031	114.00000	-4.0770	113.75	0.0	0.0	0.0
	12.00000	-21.34031	114.00000	-4.9008	113.75	0.0	0.0	0.0
	13.00000	-21.34031	114.00000	-5.2406	113.75	0.0	0.0	0.0
	14.00000	-21.34031	114.00000	-5.1720	113.75	0.0	0.0	0.0
	15.00000	-21.34031	114.00000	-4.5624	113.75	0.0	0.0	0.0
	16.00000	-21.34031	114.00000	-2.9014	113.75	0.0	0.0	0.0
	17.00000	-21.34031	114.00000	-2.0162	113.75	0.0	0.0	0.0
	18.00000	-21.34031	114.00000	-1.5001	113.75	0.0	0.0	0.0
	19.00000	-21.34031	114.00000	-1.1479	113.75	0.0	0.0	0.0
	20.00000	-21.34031	114.00000	-0.89274	113.75	0.0	0.0	0.0
	21.00000	-21.34031	114.00000	-0.70248	113.75	0.0	0.0	0.0
	22.00000	-21.34031	114.00000	-0.55794	113.75	0.0	0.0	0.0
	23.00000	-21.34031	114.00000	-0.44656	113.75	0.0	0.0	0.0
	24.00000	-21.34031	114.00000	-0.35966	113.75	0.0	0.0	0.0
	25.00000	-21.34031	114.00000	-0.29108	113.75	0.0	0.0	0.0
	26.00000	-21.34031	114.00000	-0.23639	113.75	0.0	0.0	0.0
	27.00000	-21.34031	114.00000	-0.19237	113.75	0.0	0.0	0.0
	28.00000	-21.34031	114.00000	-0.15663	113.75	0.0	0.0	0.0
	29.00000	-21.34031	114.00000	-0.12739	113.75	0.0	0.0	0.0
	30.00000	-21.34031	114.00000	-0.10330	113.75	0.0	0.0	0.0
	31.00000	-21.34031	114.00000	-0.083334	113.75	0.0	0.0	0.0
	32.00000	-21.34031	114.00000	-0.066694	113.75	0.0	0.0	0.0
	33.00000	-21.34031	114.00000	-0.052763	113.75	0.0	0.0	0.0
	34.00000	-21.34031	114.00000	-0.041054	113.75	0.0	0.0	0.0
	35.00000	-21.34031	114.00000	-0.031180	113.75	0.0	0.0	0.0
	36.00000	-21.34031	114.00000	-0.022831	113.75	0.0	0.0	0.0
	37.00000	-21.34031	114.00000	-0.015759	113.75	0.0	0.0	0.0
	38.00000	-21.34031	114.00000	-0.0097576	113.75	0.0	0.0	0.0
	39.00000	-21.34031	114.00000	-0.0046623	113.75	0.0	0.0	0.0
	40.00000	-21.34031	114.00000	-335.10E-6	113.75	0.0	0.0	0.0
	41.00000	-21.34031	114.00000	0.0033379	113.75	0.0	0.0	0.0
	42.00000	-21.34031	114.00000	0.0064519	113.75	0.0	0.0	0.0
	43.00000	-21.34031	114.00000	0.0090867	113.75	0.0	0.0	0.0
	44.00000	-21.34031	114.00000	0.011310	113.75	0.0	0.0	0.0
	45.00000	-21.34031	114.00000	0.013178	113.75	0.0	0.0	0.0
	46.00000	-21.34031	114.00000	0.014739	113.75	0.0	0.0	0.0
	47.00000	-21.34031	114.00000	0.016036	113.75	0.0	0.0	0.0
	48.00000	-21.34031	114.00000	0.017103	113.75	0.0	0.0	0.0
	49.00000	-21.34031	114.00000	0.017972	113.75	0.0	0.0	0.0
	50.00000	-21.34031	114.00000	0.018668	113.75	0.0	0.0	0.0
	-20.00000	-20.30938	114.00000	-0.0078286	113.75	0.0	0.0	0.0
	-19.00000	-20.30938	114.00000	-0.013380	113.75	0.0	0.0	0.0
	-18.00000	-20.30938	114.00000	-0.019887	113.75	0.0	0.0	0.0
	-17.00000	-20.30938	114.00000	-0.027517	113.75	0.0	0.0	0.0
	-16.00000	-20.30938	114.00000	-0.036475	113.75	0.0	0.0	0.0
	-15.00000	-20.30938	114.00000	-0.047010	113.75	0.0	0.0	0.0
	-14.00000	-20.30938	114.00000	-0.059423	113.75	0.0	0.0	0.0
	-13.00000	-20.30938	114.00000	-0.074090	113.75	0.0	0.0	0.0
	-12.00000	-20.30938	114.00000	-0.091471	113.75	0.0	0.0	0.0
	-11.00000	-20.30938	114.00000	-0.11215	113.75	0.0	0.0	0.0
	-10.00000	-20.30938	114.00000	-0.13684	113.75	0.0	0.0	0.0
	-9.00000	-20.30938	114.00000	-0.16646	113.75	0.0	0.0	0.0
	-8.00000	-20.30938	114.00000	-0.20220	113.75	0.0	0.0	0.0
	-7.00000	-20.30938	114.00000	-0.24554	113.75	0.0	0.0	0.0
	-6.00000	-20.30938	114.00000	-0.29846	113.75	0.0	0.0	0.0
	-5.00000	-20.30938	114.00000	-0.36352	113.75	0.0	0.0	0.0
	-4.00000	-20.30938	114.00000	-0.44415	113.75	0.0	0.0	0.0
	-3.00000	-20.30938	114.00000	-0.54496	113.75	0.0	0.0	0.0
	-2.00000	-20.30938	114.00000	-0.67234	113.75	0.0	0.0	0.0
	-1.00000	-20.30938	114.00000	-0.83520	113.75	0.0	0.0	0.0
	0.00000	-20.30938	114.00000	-1.0459	113.75	0.0	0.0	0.0
	1.00000	-20.30938	114.00000	-1.3187	113.75	0.0	0.0	0.0
	2.00000	-20.30938	114.00000	-1.6580	113.75	0.0	0.0	0.0
	3.00000	-20.30938	114.00000	-2.0411	113.75	0.0	0.0	0.0
	4.00000	-20.30938	114.00000	-2.3977	113.75	0.0	0.0	0.0
	5.00000	-20.30938	114.00000	-2.4675	113.75	0.0	0.0	0.0
	6.00000	-20.30938	114.00000	-2.5032	113.75	0.0	0.0	0.0
	7.00000	-20.30938	114.00000	-2.5795	113.75	0.0	0.0	0.0
	8.00000	-20.30938	114.00000	-2.5632	113.75	0.0	0.0	0.0
	9.00000	-20.30938	114.00000	-2.5783	113.75	0.0	0.0	0.0
	10.00000	-20.30938	114.00000	-2.6490	113.75	0.0	0.0	0.0
	11.00000	-20.30938	114.00000	-2.7570	113.75	0.0	0.0	0.0
	12.00000	-20.30938	114.00000	-2.9901	113.75	0.0	0.0	0.0
	13.00000	-20.30938	114.00000	-3.4676	113.75	0.0	0.0	0.0
	14.00000	-20.30938	114.00000	-4.0344	113.75	0.0	0.0	0.0
	15.00000	-20.30938	114.00000	-3.2231	113.75	0.0	0.0	0.0
	16.00000	-20.30938	114.00000	-2.1219	113.75	0.0	0.0	0.0
	17.00000	-20.30938	114.00000	-1.5912	113.75	0.0	0.0	0.0
	18.00000	-20.30938	114.00000	-1.2362	113.75	0.0	0.0	0.0
	19.00000	-20.30938	114.00000	-0.97546	113.75	0.0	0.0	0.0
	20.00000	-20.30938	114.00000	-0.77694	113.75	0.0	0.0	0.0
	21.00000	-20.30938	114.00000	-0.62302	113.75	0.0	0.0	0.0
	22.00000	-20.30938	114.00000	-0.50236	113.75	0.0	0.0	0.0
	23.00000	-20.30938	114.00000	-0.40696	113.75	0.0	0.0	0.0
	24.00000	-20.30938	114.00000	-0.33095	113.75	0.0	0.0	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	25.00000	-20.30938	114.00000	-0.26991	113.75	0.0	0.0	0.0
	26.00000	-20.30938	114.00000	-0.22056	113.75	0.0	0.0	0.0
	27.00000	-20.30938	114.00000	-0.18036	113.75	0.0	0.0	0.0
	28.00000	-20.30938	114.00000	-0.14741	113.75	0.0	0.0	0.0
	29.00000	-20.30938	114.00000	-0.12023	113.75	0.0	0.0	0.0
	30.00000	-20.30938	114.00000	-0.097686	113.75	0.0	0.0	0.0
	31.00000	-20.30938	114.00000	-0.078893	113.75	0.0	0.0	0.0
	32.00000	-20.30938	114.00000	-0.063155	113.75	0.0	0.0	0.0
	33.00000	-20.30938	114.00000	-0.049924	113.75	0.0	0.0	0.0
	34.00000	-20.30938	114.00000	-0.038764	113.75	0.0	0.0	0.0
	35.00000	-20.30938	114.00000	-0.029324	113.75	0.0	0.0	0.0
	36.00000	-20.30938	114.00000	-0.021322	113.75	0.0	0.0	0.0
	37.00000	-20.30938	114.00000	-0.014526	113.75	0.0	0.0	0.0
	38.00000	-20.30938	114.00000	-0.0087493	113.75	0.0	0.0	0.0
	39.00000	-20.30938	114.00000	-0.0033360	113.75	0.0	0.0	0.0
	40.00000	-20.30938	114.00000	342.61E-6	113.75	0.0	0.0	0.0
	41.00000	-20.30938	114.00000	0.0038938	113.75	0.0	0.0	0.0
	42.00000	-20.30938	114.00000	0.0069075	113.75	0.0	0.0	0.0
	43.00000	-20.30938	114.00000	0.0094593	113.75	0.0	0.0	0.0
	44.00000	-20.30938	114.00000	0.011613	113.75	0.0	0.0	0.0
	45.00000	-20.30938	114.00000	0.013424	113.75	0.0	0.0	0.0
	46.00000	-20.30938	114.00000	0.014938	113.75	0.0	0.0	0.0
	47.00000	-20.30938	114.00000	0.016196	113.75	0.0	0.0	0.0
	48.00000	-20.30938	114.00000	0.017230	113.75	0.0	0.0	0.0
	49.00000	-20.30938	114.00000	0.018071	113.75	0.0	0.0	0.0
	50.00000	-20.30938	114.00000	0.018743	113.75	0.0	0.0	0.0
	-20.00000	-19.27844	114.00000	-0.0065527	113.75	0.0	0.0	0.0
	-19.00000	-19.27844	114.00000	-0.011833	113.75	0.0	0.0	0.0
	-18.00000	-19.27844	114.00000	-0.018007	113.75	0.0	0.0	0.0
	-17.00000	-19.27844	114.00000	-0.025228	113.75	0.0	0.0	0.0
	-16.00000	-19.27844	114.00000	-0.033680	113.75	0.0	0.0	0.0
	-15.00000	-19.27844	114.00000	-0.043585	113.75	0.0	0.0	0.0
	-14.00000	-19.27844	114.00000	-0.055211	113.75	0.0	0.0	0.0
	-13.00000	-19.27844	114.00000	-0.068884	113.75	0.0	0.0	0.0
	-12.00000	-19.27844	114.00000	-0.085004	113.75	0.0	0.0	0.0
	-11.00000	-19.27844	114.00000	-0.10406	113.75	0.0	0.0	0.0
	-10.00000	-19.27844	114.00000	-0.12667	113.75	0.0	0.0	0.0
	-9.00000	-19.27844	114.00000	-0.15358	113.75	0.0	0.0	0.0
	-8.00000	-19.27844	114.00000	-0.18573	113.75	0.0	0.0	0.0
	-7.00000	-19.27844	114.00000	-0.22430	113.75	0.0	0.0	0.0
	-6.00000	-19.27844	114.00000	-0.27078	113.75	0.0	0.0	0.0
	-5.00000	-19.27844	114.00000	-0.32704	113.75	0.0	0.0	0.0
	-4.00000	-19.27844	114.00000	-0.39541	113.75	0.0	0.0	0.0
	-3.00000	-19.27844	114.00000	-0.47883	113.75	0.0	0.0	0.0
	-2.00000	-19.27844	114.00000	-0.58087	113.75	0.0	0.0	0.0
	-1.00000	-19.27844	114.00000	-0.70563	113.75	0.0	0.0	0.0
	0.00000	-19.27844	114.00000	-0.85702	113.75	0.0	0.0	0.0
	1.00000	-19.27844	114.00000	-1.0363	113.75	0.0	0.0	0.0
	2.00000	-19.27844	114.00000	-1.2372	113.75	0.0	0.0	0.0
	3.00000	-19.27844	114.00000	-1.4408	113.75	0.0	0.0	0.0
	4.00000	-19.27844	114.00000	-1.6130	113.75	0.0	0.0	0.0
	5.00000	-19.27844	114.00000	-1.7236	113.75	0.0	0.0	0.0
	6.00000	-19.27844	114.00000	-1.7942	113.75	0.0	0.0	0.0
	7.00000	-19.27844	114.00000	-1.8453	113.75	0.0	0.0	0.0
	8.00000	-19.27844	114.00000	-1.8768	113.75	0.0	0.0	0.0
	9.00000	-19.27844	114.00000	-1.9052	113.75	0.0	0.0	0.0
	10.00000	-19.27844	114.00000	-1.9431	113.75	0.0	0.0	0.0
	11.00000	-19.27844	114.00000	-1.9944	113.75	0.0	0.0	0.0
	12.00000	-19.27844	114.00000	-2.0656	113.75	0.0	0.0	0.0
	13.00000	-19.27844	114.00000	-2.1511	113.75	0.0	0.0	0.0
	14.00000	-19.27844	114.00000	-2.2001	113.75	0.0	0.0	0.0
	15.00000	-19.27844	114.00000	-1.9415	113.75	0.0	0.0	0.0
	16.00000	-19.27844	114.00000	-1.5503	113.75	0.0	0.0	0.0
	17.00000	-19.27844	114.00000	-1.2465	113.75	0.0	0.0	0.0
	18.00000	-19.27844	114.00000	-1.0086	113.75	0.0	0.0	0.0
	19.00000	-19.27844	114.00000	-0.81936	113.75	0.0	0.0	0.0
	20.00000	-19.27844	114.00000	-0.66751	113.75	0.0	0.0	0.0
	21.00000	-19.27844	114.00000	-0.54511	113.75	0.0	0.0	0.0
	22.00000	-19.27844	114.00000	-0.44613	113.75	0.0	0.0	0.0
	23.00000	-19.27844	114.00000	-0.36584	113.75	0.0	0.0	0.0
	24.00000	-19.27844	114.00000	-0.30048	113.75	0.0	0.0	0.0
	25.00000	-19.27844	114.00000	-0.24707	113.75	0.0	0.0	0.0
	26.00000	-19.27844	114.00000	-0.20322	113.75	0.0	0.0	0.0
	27.00000	-19.27844	114.00000	-0.16706	113.75	0.0	0.0	0.0
	28.00000	-19.27844	114.00000	-0.13709	113.75	0.0	0.0	0.0
	29.00000	-19.27844	114.00000	-0.11216	113.75	0.0	0.0	0.0
	30.00000	-19.27844	114.00000	-0.091318	113.75	0.0	0.0	0.0
	31.00000	-19.27844	114.00000	-0.073829	113.75	0.0	0.0	0.0
	32.00000	-19.27844	114.00000	-0.059102	113.75	0.0	0.0	0.0
	33.00000	-19.27844	114.00000	-0.046661	113.75	0.0	0.0	0.0
	34.00000	-19.27844	114.00000	-0.036123	113.75	0.0	0.0	0.0
	35.00000	-19.27844	114.00000	-0.027178	113.75	0.0	0.0	0.0
	36.00000	-19.27844	114.00000	-0.019571	113.75	0.0	0.0	0.0
	37.00000	-19.27844	114.00000	-0.013094	113.75	0.0	0.0	0.0
	38.00000	-19.27844	114.00000	-0.0075759	113.75	0.0	0.0	0.0
	39.00000	-19.27844	114.00000	-0.0028728	113.75	0.0	0.0	0.0
	40.00000	-19.27844	114.00000	0.0011337	113.75	0.0	0.0	0.0
	41.00000	-19.27844	114.00000	0.0045434	113.75	0.0	0.0	0.0
	42.00000	-19.27844	114.00000	0.0074404	113.75	0.0	0.0	0.0
	43.00000	-19.27844	114.00000	0.0098957	113.75	0.0	0.0	0.0
	44.00000	-19.27844	114.00000	0.011970	113.75	0.0	0.0	0.0
	45.00000	-19.27844	114.00000	0.013714	113.75	0.0	0.0	0.0
	46.00000	-19.27844	114.00000	0.015172	113.75	0.0	0.0	0.0
	47.00000	-19.27844	114.00000	0.016383	113.75	0.0	0.0	0.0
	48.00000	-19.27844	114.00000	0.017378	113.75	0.0	0.0	0.0
	49.00000	-19.27844	114.00000	0.018186	113.75	0.0	0.0	0.0
	50.00000	-19.27844	114.00000	0.018832	113.75	0.0	0.0	0.0
	-20.00000	-18.24750	114.00000	-0.0051619	113.75	0.0	0.0	0.0
	-19.00000	-18.24750	114.00000	-0.010150	113.75	0.0	0.0	0.0
	-18.00000	-18.24750	114.00000	-0.015967	113.75	0.0	0.0	0.0
	-17.00000	-18.24750	114.00000	-0.022751	113.75	0.0	0.0	0.0
	-16.00000	-18.24750	114.00000	-0.030666	113.75	0.0	0.0	0.0
	-15.00000	-18.24750	114.00000	-0.039905	113.75	0.0	0.0	0.0
	-14.00000	-18.24750	114.00000	-0.050703	113.75	0.0	0.0	0.0
	-13.00000	-18.24750	114.00000	-0.063340	113.75	0.0	0.0	0.0
	-12.00000	-18.24750	114.00000	-0.078154	113.75	0.0	0.0	0.0
	-11.00000	-18.24750	114.00000	-0.095556	113.75	0.0	0.0	0.0
	-10.00000	-18.24750	114.00000	-0.11604	113.75	0.0	0.0	0.0
	-9.00000	-18.24750	114.00000	-0.14022	113.75	0.0	0.0	0.0
	-8.00000	-18.24750	114.00000	-0.16882	113.75	0.0	0.0	0.0
	-7.00000	-18.24750	114.00000	-0.20273	113.75	0.0	0.0	0.0
	-6.00000	-18.24750	114.00000	-0.24304	113.75	0.0	0.0	0.0
	-5.00000	-18.24750	114.00000	-0.29102	113.75	0.0	0.0	0.0
	-4.00000	-18.24750	114.00000	-0.34820	113.75	0.0	0.0	0.0
	-3.00000	-18.24750	114.00000	-0.41626	113.75	0.0	0.0	0.0
	-2.00000	-18.24750	114.00000	-0.49699	113.75	0.0	0.0	0.0
	-1.00000	-18.24750	114.00000	-0.59193	113.75	0.0	0.0	0.0
	0.00000	-18.24750	114.00000	-0.70162	113.75	0.0	0.0	0.0
	1.00000	-18.24750	114.00000	-0.82436	113.75	0.0	0.0	0.0
	2.00000	-18.24750	114.00000	-0.95449	113.75	0.0	0.0	0.0
	3.00000	-18.24750	114.00000	-1.0816	113.75	0.0	0.0	0.0
	4.00000	-18.24750	114.00000	-1.1926	113.75	0.0	0.0	0.0
	5.00000	-18.24750	114.00000	-1.2789	113.75	0.0	0.0	0.0
	6.00000	-18.24750	114.00000	-1.3422	113.75	0.0	0.0	0.0
	7.00000	-18.24750	114.00000	-1.3882	113.75	0.0	0.0	0.0
	8.00000	-18.24750	114.00000	-1.4213	113.75	0.0	0.0	0.0
	9.00000	-18.24750	114.00000	-1.4471	113.75	0.0	0.0	0.0
	10.00000	-18.24750	114.00000	-1.4699	113.75	0.0	0.0	0.0
	11.00000	-18.24750	114.00000	-1.4907	113.75	0.0	0.0	0.0
	12.00000	-18.24750	114.00000	-1.5061	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	-18.24750	114.00000	-1.5037	113.75	0.0	0.0	0.0
	14.00000	-18.24750	114.00000	-1.4552	113.75	0.0	0.0	0.0
	15.00000	-18.24750	114.00000	-1.3296	113.75	0.0	0.0	0.0
	16.00000	-18.24750	114.00000	-1.1535	113.75	0.0	0.0	0.0
	17.00000	-18.24750	114.00000	-0.97661	113.75	0.0	0.0	0.0
	18.00000	-18.24750	114.00000	-0.81850	113.75	0.0	0.0	0.0
	19.00000	-18.24750	114.00000	-0.68269	113.75	0.0	0.0	0.0
	20.00000	-18.24750	114.00000	-0.56796	113.75	0.0	0.0	0.0
	21.00000	-18.24750	114.00000	-0.47185	113.75	0.0	0.0	0.0
	22.00000	-18.24750	114.00000	-0.39173	113.75	0.0	0.0	0.0
	23.00000	-18.24750	114.00000	-0.32508	113.75	0.0	0.0	0.0
	24.00000	-18.24750	114.00000	-0.26966	113.75	0.0	0.0	0.0
	25.00000	-18.24750	114.00000	-0.22355	113.75	0.0	0.0	0.0
	26.00000	-18.24750	114.00000	-0.18511	113.75	0.0	0.0	0.0
	27.00000	-18.24750	114.00000	-0.15299	113.75	0.0	0.0	0.0
	28.00000	-18.24750	114.00000	-0.12607	113.75	0.0	0.0	0.0
	29.00000	-18.24750	114.00000	-0.10346	113.75	0.0	0.0	0.0
	30.00000	-18.24750	114.00000	-0.084403	113.75	0.0	0.0	0.0
	31.00000	-18.24750	114.00000	-0.068297	113.75	0.0	0.0	0.0
	32.00000	-18.24750	114.00000	-0.054650	113.75	0.0	0.0	0.0
	33.00000	-18.24750	114.00000	-0.043061	113.75	0.0	0.0	0.0
	34.00000	-18.24750	114.00000	-0.033198	113.75	0.0	0.0	0.0
	35.00000	-18.24750	114.00000	-0.024793	113.75	0.0	0.0	0.0
	36.00000	-18.24750	114.00000	-0.017620	113.75	0.0	0.0	0.0
	37.00000	-18.24750	114.00000	-0.011495	113.75	0.0	0.0	0.0
	38.00000	-18.24750	114.00000	-0.0062618	113.75	0.0	0.0	0.0
	39.00000	-18.24750	114.00000	-0.0017922	113.75	0.0	0.0	0.0
	40.00000	-18.24750	114.00000	0.0020227	113.75	0.0	0.0	0.0
	41.00000	-18.24750	114.00000	0.0052745	113.75	0.0	0.0	0.0
	42.00000	-18.24750	114.00000	0.0080408	113.75	0.0	0.0	0.0
	43.00000	-18.24750	114.00000	0.010388	113.75	0.0	0.0	0.0
	44.00000	-18.24750	114.00000	0.012372	113.75	0.0	0.0	0.0
	45.00000	-18.24750	114.00000	0.014041	113.75	0.0	0.0	0.0
	46.00000	-18.24750	114.00000	0.015436	113.75	0.0	0.0	0.0
	47.00000	-18.24750	114.00000	0.016594	113.75	0.0	0.0	0.0
	48.00000	-18.24750	114.00000	0.017546	113.75	0.0	0.0	0.0
	49.00000	-18.24750	114.00000	0.018317	113.75	0.0	0.0	0.0
	50.00000	-18.24750	114.00000	0.018932	113.75	0.0	0.0	0.0
	-20.00000	-17.21656	114.00000	-0.0036810	113.75	0.0	0.0	0.0
	-19.00000	-17.21656	114.00000	-0.0083614	113.75	0.0	0.0	0.0
	-18.00000	-17.21656	114.00000	-0.013806	113.75	0.0	0.0	0.0
	-17.00000	-17.21656	114.00000	-0.020136	113.75	0.0	0.0	0.0
	-16.00000	-17.21656	114.00000	-0.027494	113.75	0.0	0.0	0.0
	-15.00000	-17.21656	114.00000	-0.036049	113.75	0.0	0.0	0.0
	-14.00000	-17.21656	114.00000	-0.046001	113.75	0.0	0.0	0.0
	-13.00000	-17.21656	114.00000	-0.057586	113.75	0.0	0.0	0.0
	-12.00000	-17.21656	114.00000	-0.071088	113.75	0.0	0.0	0.0
	-11.00000	-17.21656	114.00000	-0.086839	113.75	0.0	0.0	0.0
	-10.00000	-17.21656	114.00000	-0.10524	113.75	0.0	0.0	0.0
	-9.00000	-17.21656	114.00000	-0.12676	113.75	0.0	0.0	0.0
	-8.00000	-17.21656	114.00000	-0.15195	113.75	0.0	0.0	0.0
	-7.00000	-17.21656	114.00000	-0.18147	113.75	0.0	0.0	0.0
	-6.00000	-17.21656	114.00000	-0.21607	113.75	0.0	0.0	0.0
	-5.00000	-17.21656	114.00000	-0.25659	113.75	0.0	0.0	0.0
	-4.00000	-17.21656	114.00000	-0.30395	113.75	0.0	0.0	0.0
	-3.00000	-17.21656	114.00000	-0.35904	113.75	0.0	0.0	0.0
	-2.00000	-17.21656	114.00000	-0.42263	113.75	0.0	0.0	0.0
	-1.00000	-17.21656	114.00000	-0.49506	113.75	0.0	0.0	0.0
	0.00000	-17.21656	114.00000	-0.57577	113.75	0.0	0.0	0.0
	1.00000	-17.21656	114.00000	-0.66283	113.75	0.0	0.0	0.0
	2.00000	-17.21656	114.00000	-0.75239	113.75	0.0	0.0	0.0
	3.00000	-17.21656	114.00000	-0.83887	113.75	0.0	0.0	0.0
	4.00000	-17.21656	114.00000	-0.91636	113.75	0.0	0.0	0.0
	5.00000	-17.21656	114.00000	-0.98084	113.75	0.0	0.0	0.0
	6.00000	-17.21656	114.00000	-1.0316	113.75	0.0	0.0	0.0
	7.00000	-17.21656	114.00000	-1.0700	113.75	0.0	0.0	0.0
	8.00000	-17.21656	114.00000	-1.0982	113.75	0.0	0.0	0.0
	9.00000	-17.21656	114.00000	-1.1184	113.75	0.0	0.0	0.0
	10.00000	-17.21656	114.00000	-1.1320	113.75	0.0	0.0	0.0
	11.00000	-17.21656	114.00000	-1.1383	113.75	0.0	0.0	0.0
	12.00000	-17.21656	114.00000	-1.1342	113.75	0.0	0.0	0.0
	13.00000	-17.21656	114.00000	-1.1127	113.75	0.0	0.0	0.0
	14.00000	-17.21656	114.00000	-1.0646	113.75	0.0	0.0	0.0
	15.00000	-17.21656	114.00000	-0.98488	113.75	0.0	0.0	0.0
	16.00000	-17.21656	114.00000	-0.88184	113.75	0.0	0.0	0.0
	17.00000	-17.21656	114.00000	-0.77098	113.75	0.0	0.0	0.0
	18.00000	-17.21656	114.00000	-0.66392	113.75	0.0	0.0	0.0
	19.00000	-17.21656	114.00000	-0.56628	113.75	0.0	0.0	0.0
	20.00000	-17.21656	114.00000	-0.47999	113.75	0.0	0.0	0.0
	21.00000	-17.21656	114.00000	-0.40510	113.75	0.0	0.0	0.0
	22.00000	-17.21656	114.00000	-0.34083	113.75	0.0	0.0	0.0
	23.00000	-17.21656	114.00000	-0.28605	113.75	0.0	0.0	0.0
	24.00000	-17.21656	114.00000	-0.23956	113.75	0.0	0.0	0.0
	25.00000	-17.21656	114.00000	-0.20017	113.75	0.0	0.0	0.0
	26.00000	-17.21656	114.00000	-0.16684	113.75	0.0	0.0	0.0
	27.00000	-17.21656	114.00000	-0.13862	113.75	0.0	0.0	0.0
	28.00000	-17.21656	114.00000	-0.11470	113.75	0.0	0.0	0.0
	29.00000	-17.21656	114.00000	-0.094399	113.75	0.0	0.0	0.0
	30.00000	-17.21656	114.00000	-0.077142	113.75	0.0	0.0	0.0
	31.00000	-17.21656	114.00000	-0.062448	113.75	0.0	0.0	0.0
	32.00000	-17.21656	114.00000	-0.049916	113.75	0.0	0.0	0.0
	33.00000	-17.21656	114.00000	-0.039212	113.75	0.0	0.0	0.0
	34.00000	-17.21656	114.00000	-0.030058	113.75	0.0	0.0	0.0
	35.00000	-17.21656	114.00000	-0.022223	113.75	0.0	0.0	0.0
	36.00000	-17.21656	114.00000	-0.015511	113.75	0.0	0.0	0.0
	37.00000	-17.21656	114.00000	-0.0097599	113.75	0.0	0.0	0.0
	38.00000	-17.21656	114.00000	-0.0048332	113.75	0.0	0.0	0.0
	39.00000	-17.21656	114.00000	-614.91E-6	113.75	0.0	0.0	0.0
	40.00000	-17.21656	114.00000	0.0029930	113.75	0.0	0.0	0.0
	41.00000	-17.21656	114.00000	0.0060736	113.75	0.0	0.0	0.0
	42.00000	-17.21656	114.00000	0.0086980	113.75	0.0	0.0	0.0
	43.00000	-17.21656	114.00000	0.010927	113.75	0.0	0.0	0.0
	44.00000	-17.21656	114.00000	0.012812	113.75	0.0	0.0	0.0
	45.00000	-17.21656	114.00000	0.014399	113.75	0.0	0.0	0.0
	46.00000	-17.21656	114.00000	0.015726	113.75	0.0	0.0	0.0
	47.00000	-17.21656	114.00000	0.016827	113.75	0.0	0.0	0.0
	48.00000	-17.21656	114.00000	0.017730	113.75	0.0	0.0	0.0
	49.00000	-17.21656	114.00000	0.018461	113.75	0.0	0.0	0.0
	50.00000	-17.21656	114.00000	0.019042	113.75	0.0	0.0	0.0
	-20.00000	-16.18563	114.00000	-0.0021348	113.75	0.0	0.0	0.0
	-19.00000	-16.18563	114.00000	-0.0064991	113.75	0.0	0.0	0.0
	-18.00000	-16.18563	114.00000	-0.011562	113.75	0.0	0.0	0.0
	-17.00000	-16.18563	114.00000	-0.017428	113.75	0.0	0.0	0.0
	-16.00000	-16.18563	114.00000	-0.024222	113.75	0.0	0.0	0.0
	-15.00000	-16.18563	114.00000	-0.032089	113.75	0.0	0.0	0.0
	-14.00000	-16.18563	114.00000	-0.041196	113.75	0.0	0.0	0.0
	-13.00000	-16.18563	114.00000	-0.051741	113.75	0.0	0.0	0.0
	-12.00000	-16.18563	114.00000	-0.063953	113.75	0.0	0.0	0.0
	-11.00000	-16.18563	114.00000	-0.078100	113.75	0.0	0.0	0.0
	-10.00000	-16.18563	114.00000	-0.094495	113.75	0.0	0.0	0.0
	-9.00000	-16.18563	114.00000	-0.11349	113.75	0.0	0.0	0.0
	-8.00000	-16.18563	114.00000	-0.13551	113.75	0.0	0.0	0.0
	-7.00000	-16.18563	114.00000	-0.16100	113.75	0.0	0.0	0.0
	-6.00000	-16.18563	114.00000	-0.19047	113.75	0.0	0.0	0.0
	-5.00000	-16.18563	114.00000	-0.22445	113.75	0.0	0.0	0.0
	-4.00000	-16.18563	114.00000	-0.26345	113.75	0.0	0.0	0.0
	-3.00000	-16.18563	114.00000	-0.30790	113.75	0.0	0.0	0.0
	-2.00000	-16.18563	114.00000	-0.35803	113.75	0.0	0.0	0.0
	-1.00000	-16.18563	114.00000	-0.41366	113.75	0.0	0.0	0.0
	0.00000	-16.18563	114.00000	-0.47405	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	1.00000	-16.18563	114.00000	-0.53760	113.75	0.0	0.0	0.0
	2.00000	-16.18563	114.00000	-0.60182	113.75	0.0	0.0	0.0
	3.00000	-16.18563	114.00000	-0.66357	113.75	0.0	0.0	0.0
	4.00000	-16.18563	114.00000	-0.71971	113.75	0.0	0.0	0.0
	5.00000	-16.18563	114.00000	-0.76795	113.75	0.0	0.0	0.0
	6.00000	-16.18563	114.00000	-0.80732	113.75	0.0	0.0	0.0
	7.00000	-16.18563	114.00000	-0.83792	113.75	0.0	0.0	0.0
	8.00000	-16.18563	114.00000	-0.86042	113.75	0.0	0.0	0.0
	9.00000	-16.18563	114.00000	-0.87552	113.75	0.0	0.0	0.0
	10.00000	-16.18563	114.00000	-0.88345	113.75	0.0	0.0	0.0
	11.00000	-16.18563	114.00000	-0.88348	113.75	0.0	0.0	0.0
	12.00000	-16.18563	114.00000	-0.87364	113.75	0.0	0.0	0.0
	13.00000	-16.18563	114.00000	-0.85085	113.75	0.0	0.0	0.0
	14.00000	-16.18563	114.00000	-0.81214	113.75	0.0	0.0	0.0
	15.00000	-16.18563	114.00000	-0.75699	113.75	0.0	0.0	0.0
	16.00000	-16.18563	114.00000	-0.68905	113.75	0.0	0.0	0.0
	17.00000	-16.18563	114.00000	-0.61470	113.75	0.0	0.0	0.0
	18.00000	-16.18563	114.00000	-0.53996	113.75	0.0	0.0	0.0
	19.00000	-16.18563	114.00000	-0.46895	113.75	0.0	0.0	0.0
	20.00000	-16.18563	114.00000	-0.40388	113.75	0.0	0.0	0.0
	21.00000	-16.18563	114.00000	-0.34565	113.75	0.0	0.0	0.0
	22.00000	-16.18563	114.00000	-0.29435	113.75	0.0	0.0	0.0
	23.00000	-16.18563	114.00000	-0.24963	113.75	0.0	0.0	0.0
	24.00000	-16.18563	114.00000	-0.21092	113.75	0.0	0.0	0.0
	25.00000	-16.18563	114.00000	-0.17758	113.75	0.0	0.0	0.0
	26.00000	-16.18563	114.00000	-0.14892	113.75	0.0	0.0	0.0
	27.00000	-16.18563	114.00000	-0.12435	113.75	0.0	0.0	0.0
	28.00000	-16.18563	114.00000	-0.10327	113.75	0.0	0.0	0.0
	29.00000	-16.18563	114.00000	-0.085209	113.75	0.0	0.0	0.0
	30.00000	-16.18563	114.00000	-0.069717	113.75	0.0	0.0	0.0
	31.00000	-16.18563	114.00000	-0.056424	113.75	0.0	0.0	0.0
	32.00000	-16.18563	114.00000	-0.045009	113.75	0.0	0.0	0.0
	33.00000	-16.18563	114.00000	-0.035201	113.75	0.0	0.0	0.0
	34.00000	-16.18563	114.00000	-0.026770	113.75	0.0	0.0	0.0
	35.00000	-16.18563	114.00000	-0.019520	113.75	0.0	0.0	0.0
	36.00000	-16.18563	114.00000	-0.013285	113.75	0.0	0.0	0.0
	37.00000	-16.18563	114.00000	-0.0079237	113.75	0.0	0.0	0.0
	38.00000	-16.18563	114.00000	-0.0033170	113.75	0.0	0.0	0.0
	39.00000	-16.18563	114.00000	637.56E-6	113.75	0.0	0.0	0.0
	40.00000	-16.18563	114.00000	0.0040273	113.75	0.0	0.0	0.0
	41.00000	-16.18563	114.00000	0.0069269	113.75	0.0	0.0	0.0
	42.00000	-16.18563	114.00000	0.0094007	113.75	0.0	0.0	0.0
	43.00000	-16.18563	114.00000	0.011504	113.75	0.0	0.0	0.0
	44.00000	-16.18563	114.00000	0.013285	113.75	0.0	0.0	0.0
	45.00000	-16.18563	114.00000	0.014783	113.75	0.0	0.0	0.0
	46.00000	-16.18563	114.00000	0.016037	113.75	0.0	0.0	0.0
	47.00000	-16.18563	114.00000	0.017075	113.75	0.0	0.0	0.0
	48.00000	-16.18563	114.00000	0.017927	113.75	0.0	0.0	0.0
	49.00000	-16.18563	114.00000	0.018614	113.75	0.0	0.0	0.0
	50.00000	-16.18563	114.00000	0.019158	113.75	0.0	0.0	0.0
	-20.00000	-15.15469	114.00000	-547.26E-6	113.75	0.0	0.0	0.0
	-19.00000	-15.15469	114.00000	-0.0045921	113.75	0.0	0.0	0.0
	-18.00000	-15.15469	114.00000	-0.0092703	113.75	0.0	0.0	0.0
	-17.00000	-15.15469	114.00000	-0.014674	113.75	0.0	0.0	0.0
	-16.00000	-15.15469	114.00000	-0.020908	113.75	0.0	0.0	0.0
	-15.00000	-15.15469	114.00000	-0.028094	113.75	0.0	0.0	0.0
	-14.00000	-15.15469	114.00000	-0.036374	113.75	0.0	0.0	0.0
	-13.00000	-15.15469	114.00000	-0.045907	113.75	0.0	0.0	0.0
	-12.00000	-15.15469	114.00000	-0.056879	113.75	0.0	0.0	0.0
	-11.00000	-15.15469	114.00000	-0.069500	113.75	0.0	0.0	0.0
	-10.00000	-15.15469	114.00000	-0.084009	113.75	0.0	0.0	0.0
	-9.00000	-15.15469	114.00000	-0.10067	113.75	0.0	0.0	0.0
	-8.00000	-15.15469	114.00000	-0.11979	113.75	0.0	0.0	0.0
	-7.00000	-15.15469	114.00000	-0.14166	113.75	0.0	0.0	0.0
	-6.00000	-15.15469	114.00000	-0.16663	113.75	0.0	0.0	0.0
	-5.00000	-15.15469	114.00000	-0.19500	113.75	0.0	0.0	0.0
	-4.00000	-15.15469	114.00000	-0.22703	113.75	0.0	0.0	0.0
	-3.00000	-15.15469	114.00000	-0.26288	113.75	0.0	0.0	0.0
	-2.00000	-15.15469	114.00000	-0.30252	113.75	0.0	0.0	0.0
	-1.00000	-15.15469	114.00000	-0.34564	113.75	0.0	0.0	0.0
	0.00000	-15.15469	114.00000	-0.39151	113.75	0.0	0.0	0.0
	1.00000	-15.15469	114.00000	-0.43895	113.75	0.0	0.0	0.0
	2.00000	-15.15469	114.00000	-0.48634	113.75	0.0	0.0	0.0
	3.00000	-15.15469	114.00000	-0.53178	113.75	0.0	0.0	0.0
	4.00000	-15.15469	114.00000	-0.57341	113.75	0.0	0.0	0.0
	5.00000	-15.15469	114.00000	-0.60978	113.75	0.0	0.0	0.0
	6.00000	-15.15469	114.00000	-0.64003	113.75	0.0	0.0	0.0
	7.00000	-15.15469	114.00000	-0.66385	113.75	0.0	0.0	0.0
	8.00000	-15.15469	114.00000	-0.68127	113.75	0.0	0.0	0.0
	9.00000	-15.15469	114.00000	-0.69236	113.75	0.0	0.0	0.0
	10.00000	-15.15469	114.00000	-0.69698	113.75	0.0	0.0	0.0
	11.00000	-15.15469	114.00000	-0.69458	113.75	0.0	0.0	0.0
	12.00000	-15.15469	114.00000	-0.68411	113.75	0.0	0.0	0.0
	13.00000	-15.15469	114.00000	-0.66433	113.75	0.0	0.0	0.0
	14.00000	-15.15469	114.00000	-0.63435	113.75	0.0	0.0	0.0
	15.00000	-15.15469	114.00000	-0.59454	113.75	0.0	0.0	0.0
	16.00000	-15.15469	114.00000	-0.54689	113.75	0.0	0.0	0.0
	17.00000	-15.15469	114.00000	-0.49454	113.75	0.0	0.0	0.0
	18.00000	-15.15469	114.00000	-0.44080	113.75	0.0	0.0	0.0
	19.00000	-15.15469	114.00000	-0.38833	113.75	0.0	0.0	0.0
	20.00000	-15.15469	114.00000	-0.33892	113.75	0.0	0.0	0.0
	21.00000	-15.15469	114.00000	-0.29356	113.75	0.0	0.0	0.0
	22.00000	-15.15469	114.00000	-0.25268	113.75	0.0	0.0	0.0
	23.00000	-15.15469	114.00000	-0.21631	113.75	0.0	0.0	0.0
	24.00000	-15.15469	114.00000	-0.18425	113.75	0.0	0.0	0.0
	25.00000	-15.15469	114.00000	-0.15618	113.75	0.0	0.0	0.0
	26.00000	-15.15469	114.00000	-0.13172	113.75	0.0	0.0	0.0
	27.00000	-15.15469	114.00000	-0.11047	113.75	0.0	0.0	0.0
	28.00000	-15.15469	114.00000	-0.092045	113.75	0.0	0.0	0.0
	29.00000	-15.15469	114.00000	-0.076091	113.75	0.0	0.0	0.0
	30.00000	-15.15469	114.00000	-0.062288	113.75	0.0	0.0	0.0
	31.00000	-15.15469	114.00000	-0.050351	113.75	0.0	0.0	0.0
	32.00000	-15.15469	114.00000	-0.040030	113.75	0.0	0.0	0.0
	33.00000	-15.15469	114.00000	-0.031109	113.75	0.0	0.0	0.0
	34.00000	-15.15469	114.00000	-0.023398	113.75	0.0	0.0	0.0
	35.00000	-15.15469	114.00000	-0.016736	113.75	0.0	0.0	0.0
	36.00000	-15.15469	114.00000	-0.010983	113.75	0.0	0.0	0.0
	37.00000	-15.15469	114.00000	-0.0060186	113.75	0.0	0.0	0.0
	38.00000	-15.15469	114.00000	-0.0017394	113.75	0.0	0.0	0.0
	39.00000	-15.15469	114.00000	0.0019439	113.75	0.0	0.0	0.0
	40.00000	-15.15469	114.00000	0.0051083	113.75	0.0	0.0	0.0
	41.00000	-15.15469	114.00000	0.0078203	113.75	0.0	0.0	0.0
	42.00000	-15.15469	114.00000	0.010137	113.75	0.0	0.0	0.0
	43.00000	-15.15469	114.00000	0.012110	113.75	0.0	0.0	0.0
	44.00000	-15.15469	114.00000	0.013780	113.75	0.0	0.0	0.0
	45.00000	-15.15469	114.00000	0.015187	113.75	0.0	0.0	0.0
	46.00000	-15.15469	114.00000	0.016363	113.75	0.0	0.0	0.0
	47.00000	-15.15469	114.00000	0.017336	113.75	0.0	0.0	0.0
	48.00000	-15.15469	114.00000	0.018133	113.75	0.0	0.0	0.0
	49.00000	-15.15469	114.00000	0.018774	113.75	0.0	0.0	0.0
	50.00000	-15.15469	114.00000	0.019279	113.75	0.0	0.0	0.0
	-20.00000	-14.12375	114.00000	0.0010588	113.75	0.0	0.0	0.0
	-19.00000	-14.12375	114.00000	-0.0026679	113.75	0.0	0.0	0.0
	-18.00000	-14.12375	114.00000	-0.0069656	113.75	0.0	0.0	0.0
	-17.00000	-14.12375	114.00000	-0.011913	113.75	0.0	0.0	0.0
	-16.00000	-14.12375	114.00000	-0.017599	113.75	0.0	0.0	0.0
	-15.00000	-14.12375	114.00000	-0.024125	113.75	0.0	0.0	0.0
	-14.00000	-14.12375	114.00000	-0.031607	113.75	0.0	0.0	0.0
	-13.00000	-14.12375	114.00000	-0.040174	113.75	0.0	0.0	0.0
	-12.00000	-14.12375	114.00000	-0.049972	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-11.00000	-14.12375	114.00000	-0.061165	113.75	0.0	0.0	0.0
	-10.00000	-14.12375	114.00000	-0.073931	113.75	0.0	0.0	0.0
	-9.00000	-14.12375	114.00000	-0.088466	113.75	0.0	0.0	0.0
	-8.00000	-14.12375	114.00000	-0.10497	113.75	0.0	0.0	0.0
	-7.00000	-14.12375	114.00000	-0.12366	113.75	0.0	0.0	0.0
	-6.00000	-14.12375	114.00000	-0.14474	113.75	0.0	0.0	0.0
	-5.00000	-14.12375	114.00000	-0.16836	113.75	0.0	0.0	0.0
	-4.00000	-14.12375	114.00000	-0.19465	113.75	0.0	0.0	0.0
	-3.00000	-14.12375	114.00000	-0.22361	113.75	0.0	0.0	0.0
	-2.00000	-14.12375	114.00000	-0.25512	113.75	0.0	0.0	0.0
	-1.00000	-14.12375	114.00000	-0.28882	113.75	0.0	0.0	0.0
	0.00000	-14.12375	114.00000	-0.32414	113.75	0.0	0.0	0.0
	1.00000	-14.12375	114.00000	-0.36019	113.75	0.0	0.0	0.0
	2.00000	-14.12375	114.00000	-0.39590	113.75	0.0	0.0	0.0
	3.00000	-14.12375	114.00000	-0.43004	113.75	0.0	0.0	0.0
	4.00000	-14.12375	114.00000	-0.46143	113.75	0.0	0.0	0.0
	5.00000	-14.12375	114.00000	-0.48907	113.75	0.0	0.0	0.0
	6.00000	-14.12375	114.00000	-0.51228	113.75	0.0	0.0	0.0
	7.00000	-14.12375	114.00000	-0.53065	113.75	0.0	0.0	0.0
	8.00000	-14.12375	114.00000	-0.54397	113.75	0.0	0.0	0.0
	9.00000	-14.12375	114.00000	-0.55209	113.75	0.0	0.0	0.0
	10.00000	-14.12375	114.00000	-0.55478	113.75	0.0	0.0	0.0
	11.00000	-14.12375	114.00000	-0.55168	113.75	0.0	0.0	0.0
	12.00000	-14.12375	114.00000	-0.54229	113.75	0.0	0.0	0.0
	13.00000	-14.12375	114.00000	-0.52614	113.75	0.0	0.0	0.0
	14.00000	-14.12375	114.00000	-0.50309	113.75	0.0	0.0	0.0
	15.00000	-14.12375	114.00000	-0.47360	113.75	0.0	0.0	0.0
	16.00000	-14.12375	114.00000	-0.43891	113.75	0.0	0.0	0.0
	17.00000	-14.12375	114.00000	-0.40079	113.75	0.0	0.0	0.0
	18.00000	-14.12375	114.00000	-0.36117	113.75	0.0	0.0	0.0
	19.00000	-14.12375	114.00000	-0.32178	113.75	0.0	0.0	0.0
	20.00000	-14.12375	114.00000	-0.28390	113.75	0.0	0.0	0.0
	21.00000	-14.12375	114.00000	-0.24841	113.75	0.0	0.0	0.0
	22.00000	-14.12375	114.00000	-0.21580	113.75	0.0	0.0	0.0
	23.00000	-14.12375	114.00000	-0.18626	113.75	0.0	0.0	0.0
	24.00000	-14.12375	114.00000	-0.15979	113.75	0.0	0.0	0.0
	25.00000	-14.12375	114.00000	-0.13627	113.75	0.0	0.0	0.0
	26.00000	-14.12375	114.00000	-0.11549	113.75	0.0	0.0	0.0
	27.00000	-14.12375	114.00000	-0.097218	113.75	0.0	0.0	0.0
	28.00000	-14.12375	114.00000	-0.081205	113.75	0.0	0.0	0.0
	29.00000	-14.12375	114.00000	-0.067205	113.75	0.0	0.0	0.0
	30.00000	-14.12375	114.00000	-0.054986	113.75	0.0	0.0	0.0
	31.00000	-14.12375	114.00000	-0.044338	113.75	0.0	0.0	0.0
	32.00000	-14.12375	114.00000	-0.035068	113.75	0.0	0.0	0.0
	33.00000	-14.12375	114.00000	-0.027006	113.75	0.0	0.0	0.0
	34.00000	-14.12375	114.00000	-0.020000	113.75	0.0	0.0	0.0
	35.00000	-14.12375	114.00000	-0.013918	113.75	0.0	0.0	0.0
	36.00000	-14.12375	114.00000	-0.0086439	113.75	0.0	0.0	0.0
	37.00000	-14.12375	114.00000	-0.0040760	113.75	0.0	0.0	0.0
	38.00000	-14.12375	114.00000	-125.93E-6	113.75	0.0	0.0	0.0
	39.00000	-14.12375	114.00000	0.0032834	113.75	0.0	0.0	0.0
	40.00000	-14.12375	114.00000	0.0062192	113.75	0.0	0.0	0.0
	41.00000	-14.12375	114.00000	0.0087399	113.75	0.0	0.0	0.0
	42.00000	-14.12375	114.00000	0.010897	113.75	0.0	0.0	0.0
	43.00000	-14.12375	114.00000	0.012735	113.75	0.0	0.0	0.0
	44.00000	-14.12375	114.00000	0.014292	113.75	0.0	0.0	0.0
	45.00000	-14.12375	114.00000	0.015604	113.75	0.0	0.0	0.0
	46.00000	-14.12375	114.00000	0.016699	113.75	0.0	0.0	0.0
	47.00000	-14.12375	114.00000	0.017605	113.75	0.0	0.0	0.0
	48.00000	-14.12375	114.00000	0.018345	113.75	0.0	0.0	0.0
	49.00000	-14.12375	114.00000	0.018938	113.75	0.0	0.0	0.0
	50.00000	-14.12375	114.00000	0.019403	113.75	0.0	0.0	0.0
	-20.00000	-13.09281	114.00000	0.0026625	113.75	0.0	0.0	0.0
	-19.00000	-13.09281	114.00000	-751.65E-6	113.75	0.0	0.0	0.0
	-18.00000	-13.09281	114.00000	-0.0046777	113.75	0.0	0.0	0.0
	-17.00000	-13.09281	114.00000	-0.0091819	113.75	0.0	0.0	0.0
	-16.00000	-13.09281	114.00000	-0.014339	113.75	0.0	0.0	0.0
	-15.00000	-13.09281	114.00000	-0.020233	113.75	0.0	0.0	0.0
	-14.00000	-13.09281	114.00000	-0.026956	113.75	0.0	0.0	0.0
	-13.00000	-13.09281	114.00000	-0.034613	113.75	0.0	0.0	0.0
	-12.00000	-13.09281	114.00000	-0.043317	113.75	0.0	0.0	0.0
	-11.00000	-13.09281	114.00000	-0.053193	113.75	0.0	0.0	0.0
	-10.00000	-13.09281	114.00000	-0.064371	113.75	0.0	0.0	0.0
	-9.00000	-13.09281	114.00000	-0.076992	113.75	0.0	0.0	0.0
	-8.00000	-13.09281	114.00000	-0.091193	113.75	0.0	0.0	0.0
	-7.00000	-13.09281	114.00000	-0.10711	113.75	0.0	0.0	0.0
	-6.00000	-13.09281	114.00000	-0.12485	113.75	0.0	0.0	0.0
	-5.00000	-13.09281	114.00000	-0.14450	113.75	0.0	0.0	0.0
	-4.00000	-13.09281	114.00000	-0.16609	113.75	0.0	0.0	0.0
	-3.00000	-13.09281	114.00000	-0.18956	113.75	0.0	0.0	0.0
	-2.00000	-13.09281	114.00000	-0.21473	113.75	0.0	0.0	0.0
	-1.00000	-13.09281	114.00000	-0.24130	113.75	0.0	0.0	0.0
	0.00000	-13.09281	114.00000	-0.26880	113.75	0.0	0.0	0.0
	1.00000	-13.09281	114.00000	-0.29660	113.75	0.0	0.0	0.0
	2.00000	-13.09281	114.00000	-0.32394	113.75	0.0	0.0	0.0
	3.00000	-13.09281	114.00000	-0.34999	113.75	0.0	0.0	0.0
	4.00000	-13.09281	114.00000	-0.37395	113.75	0.0	0.0	0.0
	5.00000	-13.09281	114.00000	-0.39513	113.75	0.0	0.0	0.0
	6.00000	-13.09281	114.00000	-0.41298	113.75	0.0	0.0	0.0
	7.00000	-13.09281	114.00000	-0.42711	113.75	0.0	0.0	0.0
	8.00000	-13.09281	114.00000	-0.43727	113.75	0.0	0.0	0.0
	9.00000	-13.09281	114.00000	-0.44323	113.75	0.0	0.0	0.0
	10.00000	-13.09281	114.00000	-0.44480	113.75	0.0	0.0	0.0
	11.00000	-13.09281	114.00000	-0.44175	113.75	0.0	0.0	0.0
	12.00000	-13.09281	114.00000	-0.43385	113.75	0.0	0.0	0.0
	13.00000	-13.09281	114.00000	-0.42096	113.75	0.0	0.0	0.0
	14.00000	-13.09281	114.00000	-0.40318	113.75	0.0	0.0	0.0
	15.00000	-13.09281	114.00000	-0.38094	113.75	0.0	0.0	0.0
	16.00000	-13.09281	114.00000	-0.35506	113.75	0.0	0.0	0.0
	17.00000	-13.09281	114.00000	-0.32661	113.75	0.0	0.0	0.0
	18.00000	-13.09281	114.00000	-0.29682	113.75	0.0	0.0	0.0
	19.00000	-13.09281	114.00000	-0.26679	113.75	0.0	0.0	0.0
	20.00000	-13.09281	114.00000	-0.23748	113.75	0.0	0.0	0.0
	21.00000	-13.09281	114.00000	-0.20955	113.75	0.0	0.0	0.0
	22.00000	-13.09281	114.00000	-0.18346	113.75	0.0	0.0	0.0
	23.00000	-13.09281	114.00000	-0.15945	113.75	0.0	0.0	0.0
	24.00000	-13.09281	114.00000	-0.13763	113.75	0.0	0.0	0.0
	25.00000	-13.09281	114.00000	-0.11797	113.75	0.0	0.0	0.0
	26.00000	-13.09281	114.00000	-0.10038	113.75	0.0	0.0	0.0
	27.00000	-13.09281	114.00000	-0.084743	113.75	0.0	0.0	0.0
	28.00000	-13.09281	114.00000	-0.070894	113.75	0.0	0.0	0.0
	29.00000	-13.09281	114.00000	-0.058673	113.75	0.0	0.0	0.0
	30.00000	-13.09281	114.00000	-0.047918	113.75	0.0	0.0	0.0
	31.00000	-13.09281	114.00000	-0.038474	113.75	0.0	0.0	0.0
	32.00000	-13.09281	114.00000	-0.030197	113.75	0.0	0.0	0.0
	33.00000	-13.09281	114.00000	-0.022955	113.75	0.0	0.0	0.0
	34.00000	-13.09281	114.00000	-0.016628	113.75	0.0	0.0	0.0
	35.00000	-13.09281	114.00000	-0.011109	113.75	0.0	0.0	0.0
	36.00000	-13.09281	114.00000	-0.0063024	113.75	0.0	0.0	0.0
	37.00000	-13.09281	114.00000	-0.0021245	113.75	0.0	0.0	0.0
	38.00000	-13.09281	114.00000	0.0014999	113.75	0.0	0.0	0.0
	39.00000	-13.09281	114.00000	0.0046366	113.75	0.0	0.0	0.0
	40.00000	-13.09281	114.00000	0.0073438	113.75	0.0	0.0	0.0
	41.00000	-13.09281	114.00000	0.0096726	113.75	0.0	0.0	0.0
	42.00000	-13.09281	114.00000	0.011668	113.75	0.0	0.0	0.0
	43.00000	-13.09281	114.00000	0.013370	113.75	0.0	0.0	0.0
	44.00000	-13.09281	114.00000	0.014812	113.75	0.0	0.0	0.0
	45.00000	-13.09281	114.00000	0.016027	113.75	0.0	0.0	0.0
	46.00000	-13.09281	114.00000	0.017041	113.75	0.0	0.0	0.0
	47.00000	-13.09281	114.00000	0.017878	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
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Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	48.00000	-13.09281	114.00000	0.018559	113.75	0.0	0.0	0.0
	49.00000	-13.09281	114.00000	0.019103	113.75	0.0	0.0	0.0
	50.00000	-13.09281	114.00000	0.019526	113.75	0.0	0.0	0.0
	-20.00000	-12.06188	114.00000	0.0042451	113.75	0.0	0.0	0.0
	-19.00000	-12.06188	114.00000	0.0011343	113.75	0.0	0.0	0.0
	-18.00000	-12.06188	114.00000	-0.0024328	113.75	0.0	0.0	0.0
	-17.00000	-12.06188	114.00000	-0.0065119	113.75	0.0	0.0	0.0
	-16.00000	-12.06188	114.00000	-0.011165	113.75	0.0	0.0	0.0
	-15.00000	-12.06188	114.00000	-0.016460	113.75	0.0	0.0	0.0
	-14.00000	-12.06188	114.00000	-0.022472	113.75	0.0	0.0	0.0
	-13.00000	-12.06188	114.00000	-0.029282	113.75	0.0	0.0	0.0
	-12.00000	-12.06188	114.00000	-0.036978	113.75	0.0	0.0	0.0
	-11.00000	-12.06188	114.00000	-0.045652	113.75	0.0	0.0	0.0
	-10.00000	-12.06188	114.00000	-0.055401	113.75	0.0	0.0	0.0
	-9.00000	-12.06188	114.00000	-0.066319	113.75	0.0	0.0	0.0
	-8.00000	-12.06188	114.00000	-0.078498	113.75	0.0	0.0	0.0
	-7.00000	-12.06188	114.00000	-0.092019	113.75	0.0	0.0	0.0
	-6.00000	-12.06188	114.00000	-0.10694	113.75	0.0	0.0	0.0
	-5.00000	-12.06188	114.00000	-0.12329	113.75	0.0	0.0	0.0
	-4.00000	-12.06188	114.00000	-0.14104	113.75	0.0	0.0	0.0
	-3.00000	-12.06188	114.00000	-0.16012	113.75	0.0	0.0	0.0
	-2.00000	-12.06188	114.00000	-0.18034	113.75	0.0	0.0	0.0
	-1.00000	-12.06188	114.00000	-0.20145	113.75	0.0	0.0	0.0
	0.00000	-12.06188	114.00000	-0.22308	113.75	0.0	0.0	0.0
	1.00000	-12.06188	114.00000	-0.24476	113.75	0.0	0.0	0.0
	2.00000	-12.06188	114.00000	-0.26594	113.75	0.0	0.0	0.0
	3.00000	-12.06188	114.00000	-0.28607	113.75	0.0	0.0	0.0
	4.00000	-12.06188	114.00000	-0.30456	113.75	0.0	0.0	0.0
	5.00000	-12.06188	114.00000	-0.32091	113.75	0.0	0.0	0.0
	6.00000	-12.06188	114.00000	-0.33470	113.75	0.0	0.0	0.0
	7.00000	-12.06188	114.00000	-0.34559	113.75	0.0	0.0	0.0
	8.00000	-12.06188	114.00000	-0.35335	113.75	0.0	0.0	0.0
	9.00000	-12.06188	114.00000	-0.35776	113.75	0.0	0.0	0.0
	10.00000	-12.06188	114.00000	-0.35867	113.75	0.0	0.0	0.0
	11.00000	-12.06188	114.00000	-0.35594	113.75	0.0	0.0	0.0
	12.00000	-12.06188	114.00000	-0.34948	113.75	0.0	0.0	0.0
	13.00000	-12.06188	114.00000	-0.33928	113.75	0.0	0.0	0.0
	14.00000	-12.06188	114.00000	-0.32550	113.75	0.0	0.0	0.0
	15.00000	-12.06188	114.00000	-0.30849	113.75	0.0	0.0	0.0
	16.00000	-12.06188	114.00000	-0.28882	113.75	0.0	0.0	0.0
	17.00000	-12.06188	114.00000	-0.26720	113.75	0.0	0.0	0.0
	18.00000	-12.06188	114.00000	-0.24442	113.75	0.0	0.0	0.0
	19.00000	-12.06188	114.00000	-0.22125	113.75	0.0	0.0	0.0
	20.00000	-12.06188	114.00000	-0.19834	113.75	0.0	0.0	0.0
	21.00000	-12.06188	114.00000	-0.17622	113.75	0.0	0.0	0.0
	22.00000	-12.06188	114.00000	-0.15527	113.75	0.0	0.0	0.0
	23.00000	-12.06188	114.00000	-0.13573	113.75	0.0	0.0	0.0
	24.00000	-12.06188	114.00000	-0.11773	113.75	0.0	0.0	0.0
	25.00000	-12.06188	114.00000	-0.10132	113.75	0.0	0.0	0.0
	26.00000	-12.06188	114.00000	-0.086478	113.75	0.0	0.0	0.0
	27.00000	-12.06188	114.00000	-0.073135	113.75	0.0	0.0	0.0
	28.00000	-12.06188	114.00000	-0.061205	113.75	0.0	0.0	0.0
	29.00000	-12.06188	114.00000	-0.050585	113.75	0.0	0.0	0.0
	30.00000	-12.06188	114.00000	-0.041163	113.75	0.0	0.0	0.0
	31.00000	-12.06188	114.00000	-0.032829	113.75	0.0	0.0	0.0
	32.00000	-12.06188	114.00000	-0.025477	113.75	0.0	0.0	0.0
	33.00000	-12.06188	114.00000	-0.019007	113.75	0.0	0.0	0.0
	34.00000	-12.06188	114.00000	-0.013324	113.75	0.0	0.0	0.0
	35.00000	-12.06188	114.00000	-0.0083440	113.75	0.0	0.0	0.0
	36.00000	-12.06188	114.00000	-0.0039891	113.75	0.0	0.0	0.0
	37.00000	-12.06188	114.00000	-189.81E-6	113.75	0.0	0.0	0.0
	38.00000	-12.06188	114.00000	0.0031165	113.75	0.0	0.0	0.0
	39.00000	-12.06188	114.00000	0.0059856	113.75	0.0	0.0	0.0
	40.00000	-12.06188	114.00000	0.0084674	113.75	0.0	0.0	0.0
	41.00000	-12.06188	114.00000	0.010606	113.75	0.0	0.0	0.0
	42.00000	-12.06188	114.00000	0.012441	113.75	0.0	0.0	0.0
	43.00000	-12.06188	114.00000	0.014006	113.75	0.0	0.0	0.0
	44.00000	-12.06188	114.00000	0.015334	113.75	0.0	0.0	0.0
	45.00000	-12.06188	114.00000	0.016452	113.75	0.0	0.0	0.0
	46.00000	-12.06188	114.00000	0.017393	113.75	0.0	0.0	0.0
	47.00000	-12.06188	114.00000	0.018150	113.75	0.0	0.0	0.0
	48.00000	-12.06188	114.00000	0.018772	113.75	0.0	0.0	0.0
	49.00000	-12.06188	114.00000	0.019266	113.75	0.0	0.0	0.0
	50.00000	-12.06188	114.00000	0.019647	113.75	0.0	0.0	0.0
	-20.00000	-11.03094	114.00000	0.0057900	113.75	0.0	0.0	0.0
	-19.00000	-11.03094	114.00000	0.0029707	113.75	0.0	0.0	0.0
	-18.00000	-11.03094	114.00000	-253.48E-6	113.75	0.0	0.0	0.0
	-17.00000	-11.03094	114.00000	-0.0039289	113.75	0.0	0.0	0.0
	-16.00000	-11.03094	114.00000	-0.0081063	113.75	0.0	0.0	0.0
	-15.00000	-11.03094	114.00000	-0.012841	113.75	0.0	0.0	0.0
	-14.00000	-11.03094	114.00000	-0.018192	113.75	0.0	0.0	0.0
	-13.00000	-11.03094	114.00000	-0.024222	113.75	0.0	0.0	0.0
	-12.00000	-11.03094	114.00000	-0.030998	113.75	0.0	0.0	0.0
	-11.00000	-11.03094	114.00000	-0.038588	113.75	0.0	0.0	0.0
	-10.00000	-11.03094	114.00000	-0.047060	113.75	0.0	0.0	0.0
	-9.00000	-11.03094	114.00000	-0.056478	113.75	0.0	0.0	0.0
	-8.00000	-11.03094	114.00000	-0.066900	113.75	0.0	0.0	0.0
	-7.00000	-11.03094	114.00000	-0.078368	113.75	0.0	0.0	0.0
	-6.00000	-11.03094	114.00000	-0.090909	113.75	0.0	0.0	0.0
	-5.00000	-11.03094	114.00000	-0.10452	113.75	0.0	0.0	0.0
	-4.00000	-11.03094	114.00000	-0.11915	113.75	0.0	0.0	0.0
	-3.00000	-11.03094	114.00000	-0.13470	113.75	0.0	0.0	0.0
	-2.00000	-11.03094	114.00000	-0.15104	113.75	0.0	0.0	0.0
	-1.00000	-11.03094	114.00000	-0.16792	113.75	0.0	0.0	0.0
	0.00000	-11.03094	114.00000	-0.18508	113.75	0.0	0.0	0.0
	1.00000	-11.03094	114.00000	-0.20215	113.75	0.0	0.0	0.0
	2.00000	-11.03094	114.00000	-0.21874	113.75	0.0	0.0	0.0
	3.00000	-11.03094	114.00000	-0.23444	113.75	0.0	0.0	0.0
	4.00000	-11.03094	114.00000	-0.24884	113.75	0.0	0.0	0.0
	5.00000	-11.03094	114.00000	-0.26155	113.75	0.0	0.0	0.0
	6.00000	-11.03094	114.00000	-0.27226	113.75	0.0	0.0	0.0
	7.00000	-11.03094	114.00000	-0.28070	113.75	0.0	0.0	0.0
	8.00000	-11.03094	114.00000	-0.28665	113.75	0.0	0.0	0.0
	9.00000	-11.03094	114.00000	-0.28995	113.75	0.0	0.0	0.0
	10.00000	-11.03094	114.00000	-0.29047	113.75	0.0	0.0	0.0
	11.00000	-11.03094	114.00000	-0.28813	113.75	0.0	0.0	0.0
	12.00000	-11.03094	114.00000	-0.28291	113.75	0.0	0.0	0.0
	13.00000	-11.03094	114.00000	-0.27484	113.75	0.0	0.0	0.0
	14.00000	-11.03094	114.00000	-0.26410	113.75	0.0	0.0	0.0
	15.00000	-11.03094	114.00000	-0.25094	113.75	0.0	0.0	0.0
	16.00000	-11.03094	114.00000	-0.23579	113.75	0.0	0.0	0.0
	17.00000	-11.03094	114.00000	-0.21911	113.75	0.0	0.0	0.0
	18.00000	-11.03094	114.00000	-0.20147	113.75	0.0	0.0	0.0
	19.00000	-11.03094	114.00000	-0.18337	113.75	0.0	0.0	0.0
	20.00000	-11.03094	114.00000	-0.16531	113.75	0.0	0.0	0.0
	21.00000	-11.03094	114.00000	-0.14768	113.75	0.0	0.0	0.0
	22.00000	-11.03094	114.00000	-0.13079	113.75	0.0	0.0	0.0
	23.00000	-11.03094	114.00000	-0.11485	113.75	0.0	0.0	0.0
	24.00000	-11.03094	114.00000	-0.099998	113.75	0.0	0.0	0.0
	25.00000	-11.03094	114.00000	-0.086307	113.75	0.0	0.0	0.0
	26.00000	-11.03094	114.00000	-0.073794	113.75	0.0	0.0	0.0
	27.00000	-11.03094	114.00000	-0.062438	113.75	0.0	0.0	0.0
	28.00000	-11.03094	114.00000	-0.052193	113.75	0.0	0.0	0.0
	29.00000	-11.03094	114.00000	-0.042997	113.75	0.0	0.0	0.0
	30.00000	-11.03094	114.00000	-0.034777	113.75	0.0	0.0	0.0
	31.00000	-11.03094	114.00000	-0.027456	113.75	0.0	0.0	0.0
	32.00000	-11.03094	114.00000	-0.020956	113.75	0.0	0.0	0.0
	33.00000	-11.03094	114.00000	-0.015204	113.75	0.0	0.0	0.0
	34.00000	-11.03094	114.00000	-0.010126	113.75	0.0	0.0	0.0
	35.00000	-11.03094	114.00000	-0.0056555	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	36.00000	-11.03094	114.00000	-0.0017307	113.75	0.0	0.0	0.0
	37.00000	-11.03094	114.00000	0.0017055	113.75	0.0	0.0	0.0
	38.00000	-11.03094	114.00000	0.0047050	113.75	0.0	0.0	0.0
	39.00000	-11.03094	114.00000	0.0073144	113.75	0.0	0.0	0.0
	40.00000	-11.03094	114.00000	0.0095763	113.75	0.0	0.0	0.0
	41.00000	-11.03094	114.00000	0.011529	113.75	0.0	0.0	0.0
	42.00000	-11.03094	114.00000	0.013205	113.75	0.0	0.0	0.0
	43.00000	-11.03094	114.00000	0.014637	113.75	0.0	0.0	0.0
	44.00000	-11.03094	114.00000	0.015851	113.75	0.0	0.0	0.0
	45.00000	-11.03094	114.00000	0.016872	113.75	0.0	0.0	0.0
	46.00000	-11.03094	114.00000	0.017721	113.75	0.0	0.0	0.0
	47.00000	-11.03094	114.00000	0.018418	113.75	0.0	0.0	0.0
	48.00000	-11.03094	114.00000	0.018981	113.75	0.0	0.0	0.0
	49.00000	-11.03094	114.00000	0.019425	113.75	0.0	0.0	0.0
	50.00000	-11.03094	114.00000	0.019763	113.75	0.0	0.0	0.0
	-20.00000	-10.00000	114.00000	0.0072834	113.75	0.0	0.0	0.0
	-19.00000	-10.00000	114.00000	0.0047414	113.75	0.0	0.0	0.0
	-18.00000	-10.00000	114.00000	0.0018418	113.75	0.0	0.0	0.0
	-17.00000	-10.00000	114.00000	-0.0014539	113.75	0.0	0.0	0.0
	-16.00000	-10.00000	114.00000	-0.0051868	113.75	0.0	0.0	0.0
	-15.00000	-10.00000	114.00000	-0.0094010	113.75	0.0	0.0	0.0
	-14.00000	-10.00000	114.00000	-0.014143	113.75	0.0	0.0	0.0
	-13.00000	-10.00000	114.00000	-0.019461	113.75	0.0	0.0	0.0
	-12.00000	-10.00000	114.00000	-0.025406	113.75	0.0	0.0	0.0
	-11.00000	-10.00000	114.00000	-0.032025	113.75	0.0	0.0	0.0
	-10.00000	-10.00000	114.00000	-0.039366	113.75	0.0	0.0	0.0
	-9.00000	-10.00000	114.00000	-0.047471	113.75	0.0	0.0	0.0
	-8.00000	-10.00000	114.00000	-0.056372	113.75	0.0	0.0	0.0
	-7.00000	-10.00000	114.00000	-0.066091	113.75	0.0	0.0	0.0
	-6.00000	-10.00000	114.00000	-0.076630	113.75	0.0	0.0	0.0
	-5.00000	-10.00000	114.00000	-0.087967	113.75	0.0	0.0	0.0
	-4.00000	-10.00000	114.00000	-0.10005	113.75	0.0	0.0	0.0
	-3.00000	-10.00000	114.00000	-0.11278	113.75	0.0	0.0	0.0
	-2.00000	-10.00000	114.00000	-0.12604	113.75	0.0	0.0	0.0
	-1.00000	-10.00000	114.00000	-0.13963	113.75	0.0	0.0	0.0
	0.00000	-10.00000	114.00000	-0.15333	113.75	0.0	0.0	0.0
	1.00000	-10.00000	114.00000	-0.16689	113.75	0.0	0.0	0.0
	2.00000	-10.00000	114.00000	-0.18000	113.75	0.0	0.0	0.0
	3.00000	-10.00000	114.00000	-0.19235	113.75	0.0	0.0	0.0
	4.00000	-10.00000	114.00000	-0.20365	113.75	0.0	0.0	0.0
	5.00000	-10.00000	114.00000	-0.21361	113.75	0.0	0.0	0.0
	6.00000	-10.00000	114.00000	-0.22197	113.75	0.0	0.0	0.0
	7.00000	-10.00000	114.00000	-0.22854	113.75	0.0	0.0	0.0
	8.00000	-10.00000	114.00000	-0.23313	113.75	0.0	0.0	0.0
	9.00000	-10.00000	114.00000	-0.23562	113.75	0.0	0.0	0.0
	10.00000	-10.00000	114.00000	-0.23591	113.75	0.0	0.0	0.0
	11.00000	-10.00000	114.00000	-0.23396	113.75	0.0	0.0	0.0
	12.00000	-10.00000	114.00000	-0.22975	113.75	0.0	0.0	0.0
	13.00000	-10.00000	114.00000	-0.22337	113.75	0.0	0.0	0.0
	14.00000	-10.00000	114.00000	-0.21493	113.75	0.0	0.0	0.0
	15.00000	-10.00000	114.00000	-0.20466	113.75	0.0	0.0	0.0
	16.00000	-10.00000	114.00000	-0.19285	113.75	0.0	0.0	0.0
	17.00000	-10.00000	114.00000	-0.17984	113.75	0.0	0.0	0.0
	18.00000	-10.00000	114.00000	-0.16601	113.75	0.0	0.0	0.0
	19.00000	-10.00000	114.00000	-0.15175	113.75	0.0	0.0	0.0
	20.00000	-10.00000	114.00000	-0.13740	113.75	0.0	0.0	0.0
	21.00000	-10.00000	114.00000	-0.12326	113.75	0.0	0.0	0.0
	22.00000	-10.00000	114.00000	-0.10957	113.75	0.0	0.0	0.0
	23.00000	-10.00000	114.00000	-0.096536	113.75	0.0	0.0	0.0
	24.00000	-10.00000	114.00000	-0.084266	113.75	0.0	0.0	0.0
	25.00000	-10.00000	114.00000	-0.072844	113.75	0.0	0.0	0.0
	26.00000	-10.00000	114.00000	-0.062306	113.75	0.0	0.0	0.0
	27.00000	-10.00000	114.00000	-0.052658	113.75	0.0	0.0	0.0
	28.00000	-10.00000	114.00000	-0.043882	113.75	0.0	0.0	0.0
	29.00000	-10.00000	114.00000	-0.035943	113.75	0.0	0.0	0.0
	30.00000	-10.00000	114.00000	-0.028797	113.75	0.0	0.0	0.0
	31.00000	-10.00000	114.00000	-0.022390	113.75	0.0	0.0	0.0
	32.00000	-10.00000	114.00000	-0.016669	113.75	0.0	0.0	0.0
	33.00000	-10.00000	114.00000	-0.011577	113.75	0.0	0.0	0.0
	34.00000	-10.00000	114.00000	-0.0070614	113.75	0.0	0.0	0.0
	35.00000	-10.00000	114.00000	-0.0030683	113.75	0.0	0.0	0.0
	36.00000	-10.00000	114.00000	450.94E-6	113.75	0.0	0.0	0.0
	37.00000	-10.00000	114.00000	0.0035425	113.75	0.0	0.0	0.0
	38.00000	-10.00000	114.00000	0.0062488	113.75	0.0	0.0	0.0
	39.00000	-10.00000	114.00000	0.0086090	113.75	0.0	0.0	0.0
	40.00000	-10.00000	114.00000	0.010659	113.75	0.0	0.0	0.0
	41.00000	-10.00000	114.00000	0.012430	113.75	0.0	0.0	0.0
	42.00000	-10.00000	114.00000	0.013953	113.75	0.0	0.0	0.0
	43.00000	-10.00000	114.00000	0.015254	113.75	0.0	0.0	0.0
	44.00000	-10.00000	114.00000	0.016356	113.75	0.0	0.0	0.0
	45.00000	-10.00000	114.00000	0.017282	113.75	0.0	0.0	0.0
	46.00000	-10.00000	114.00000	0.018050	113.75	0.0	0.0	0.0
	47.00000	-10.00000	114.00000	0.018678	113.75	0.0	0.0	0.0
	48.00000	-10.00000	114.00000	0.019183	113.75	0.0	0.0	0.0
	49.00000	-10.00000	114.00000	0.019577	113.75	0.0	0.0	0.0
	50.00000	-10.00000	114.00000	0.019873	113.75	0.0	0.0	0.0
Grid 7	-20.00000	-34.49500	114.00000	-0.0061796	113.75	0.0	0.0	0.0
	-19.00020	-34.49500	114.00000	-0.011369	113.75	0.0	0.0	0.0
	-18.00040	-34.49500	114.00000	-0.017432	113.75	0.0	0.0	0.0
	-17.00060	-34.49500	114.00000	-0.024517	113.75	0.0	0.0	0.0
	-16.00080	-34.49500	114.00000	-0.032800	113.75	0.0	0.0	0.0
	-15.00100	-34.49500	114.00000	-0.042495	113.75	0.0	0.0	0.0
	-14.00120	-34.49500	114.00000	-0.053858	113.75	0.0	0.0	0.0
	-13.00140	-34.49500	114.00000	-0.067201	113.75	0.0	0.0	0.0
	-12.00160	-34.49500	114.00000	-0.082903	113.75	0.0	0.0	0.0
	-11.00180	-34.49500	114.00000	-0.10143	113.75	0.0	0.0	0.0
	-10.00200	-34.49500	114.00000	-0.12334	113.75	0.0	0.0	0.0
	-9.00220	-34.49500	114.00000	-0.14935	113.75	0.0	0.0	0.0
	-8.00240	-34.49500	114.00000	-0.18033	113.75	0.0	0.0	0.0
	-7.00260	-34.49500	114.00000	-0.21734	113.75	0.0	0.0	0.0
	-6.00280	-34.49500	114.00000	-0.26175	113.75	0.0	0.0	0.0
	-5.00300	-34.49500	114.00000	-0.31521	113.75	0.0	0.0	0.0
	-4.00320	-34.49500	114.00000	-0.37982	113.75	0.0	0.0	0.0
	-3.00340	-34.49500	114.00000	-0.45817	113.75	0.0	0.0	0.0
	-2.00360	-34.49500	114.00000	-0.55353	113.75	0.0	0.0	0.0
	-1.00380	-34.49500	114.00000	-0.66998	113.75	0.0	0.0	0.0
	-0.00400	-34.49500	114.00000	-0.81276	113.75	0.0	0.0	0.0
	0.99580	-34.49500	114.00000	-0.98890	113.75	0.0	0.0	0.0
	1.99560	-34.49500	114.00000	-1.2086	113.75	0.0	0.0	0.0
	2.99540	-34.49500	114.00000	-1.4889	113.75	0.0	0.0	0.0
	3.99520	-34.49500	114.00000	-1.8656	113.75	0.0	0.0	0.0
	4.99500	-34.49500	114.00000	-2.4256	113.75	0.0	0.0	0.0
	-20.00000	-33.49562	114.00000	-0.0074483	113.75	0.0	0.0	0.0
	-19.00020	-33.49562	114.00000	-0.012908	113.75	0.0	0.0	0.0
	-18.00040	-33.49562	114.00000	-0.019300	113.75	0.0	0.0	0.0
	-17.00060	-33.49562	114.00000	-0.026790	113.75	0.0	0.0	0.0
	-16.00080	-33.49562	114.00000	-0.035573	113.75	0.0	0.0	0.0
	-15.00100	-33.49562	114.00000	-0.045888	113.75	0.0	0.0	0.0
	-14.00120	-33.49562	114.00000	-0.058024	113.75	0.0	0.0	0.0
	-13.00140	-33.49562	114.00000	-0.072338	113.75	0.0	0.0	0.0
	-12.00160	-33.49562	114.00000	-0.089266	113.75	0.0	0.0	0.0
	-11.00180	-33.49562	114.00000	-0.10935	113.75	0.0	0.0	0.0
	-10.00200	-33.49562	114.00000	-0.13327	113.75	0.0	0.0	0.0
	-9.00220	-33.49562	114.00000	-0.16187	113.75	0.0	0.0	0.0
	-8.00240	-33.49562	114.00000	-0.19623	113.75	0.0	0.0	0.0
	-7.00260	-33.49562	114.00000	-0.23769	113.75	0.0	0.0	0.0
	-6.00280	-33.49562	114.00000	-0.28800	113.75	0.0	0.0	0.0
	-5.00300	-33.49562	114.00000	-0.34939	113.75	0.0	0.0	0.0
	-4.00320	-33.49562	114.00000	-0.42474	113.75	0.0	0.0	0.0
	-3.00340	-33.49562	114.00000	-0.51782	113.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	-2.00360	-33.49562	114.00000	-0.63361	113.75	0.0	0.0	0.0
	-1.00380	-33.49562	114.00000	-0.77878	113.75	0.0	0.0	0.0
	-0.00400	-33.49562	114.00000	-0.96267	113.75	0.0	0.0	0.0
	0.99580	-33.49562	114.00000	-1.1994	113.75	0.0	0.0	0.0
	1.99560	-33.49562	114.00000	-1.5131	113.75	0.0	0.0	0.0
	2.99540	-33.49562	114.00000	-1.9566	113.75	0.0	0.0	0.0
	3.99520	-33.49562	114.00000	-2.7034	113.75	0.0	0.0	0.0
	4.99500	-33.49562	114.00000	-4.0879	113.75	0.0	0.0	0.0
	-20.00000	-32.49625	114.00000	-0.0085942	113.75	0.0	0.0	0.0
	-19.00020	-32.49625	114.00000	-0.014300	113.75	0.0	0.0	0.0
	-18.00040	-32.49625	114.00000	-0.020995	113.75	0.0	0.0	0.0
	-17.00060	-32.49625	114.00000	-0.028858	113.75	0.0	0.0	0.0
	-16.00080	-32.49625	114.00000	-0.038103	113.75	0.0	0.0	0.0
	-15.00100	-32.49625	114.00000	-0.048994	113.75	0.0	0.0	0.0
	-14.00120	-32.49625	114.00000	-0.061853	113.75	0.0	0.0	0.0
	-13.00140	-32.49625	114.00000	-0.077080	113.75	0.0	0.0	0.0
	-12.00160	-32.49625	114.00000	-0.095171	113.75	0.0	0.0	0.0
	-11.00180	-32.49625	114.00000	-0.11675	113.75	0.0	0.0	0.0
	-10.00200	-32.49625	114.00000	-0.14260	113.75	0.0	0.0	0.0
	-9.00220	-32.49625	114.00000	-0.17372	113.75	0.0	0.0	0.0
	-8.00240	-32.49625	114.00000	-0.21141	113.75	0.0	0.0	0.0
	-7.00260	-32.49625	114.00000	-0.25731	113.75	0.0	0.0	0.0
	-6.00280	-32.49625	114.00000	-0.31361	113.75	0.0	0.0	0.0
	-5.00300	-32.49625	114.00000	-0.38319	113.75	0.0	0.0	0.0
	-4.00320	-32.49625	114.00000	-0.46988	113.75	0.0	0.0	0.0
	-3.00340	-32.49625	114.00000	-0.57891	113.75	0.0	0.0	0.0
	-2.00360	-32.49625	114.00000	-0.71749	113.75	0.0	0.0	0.0
	-1.00380	-32.49625	114.00000	-0.89585	113.75	0.0	0.0	0.0
	-0.00400	-32.49625	114.00000	-1.1292	113.75	0.0	0.0	0.0
	0.99580	-32.49625	114.00000	-1.4421	113.75	0.0	0.0	0.0
	1.99560	-32.49625	114.00000	-1.8812	113.75	0.0	0.0	0.0
	2.99540	-32.49625	114.00000	-2.5676	113.75	0.0	0.0	0.0
	3.99520	-32.49625	114.00000	-4.0694	113.75	0.0	0.0	0.0
	4.99500	-32.49625	114.00000	-5.0989	113.75	0.0	0.0	0.0
	-20.00000	-31.49687	114.00000	-0.0095961	113.75	0.0	0.0	0.0
	-19.00020	-31.49687	114.00000	-0.015520	113.75	0.0	0.0	0.0
	-18.00040	-31.49687	114.00000	-0.022484	113.75	0.0	0.0	0.0
	-17.00060	-31.49687	114.00000	-0.030678	113.75	0.0	0.0	0.0
	-16.00080	-31.49687	114.00000	-0.040336	113.75	0.0	0.0	0.0
	-15.00100	-31.49687	114.00000	-0.051744	113.75	0.0	0.0	0.0
	-14.00120	-31.49687	114.00000	-0.065255	113.75	0.0	0.0	0.0
	-13.00140	-31.49687	114.00000	-0.081310	113.75	0.0	0.0	0.0
	-12.00160	-31.49687	114.00000	-0.10046	113.75	0.0	0.0	0.0
	-11.00180	-31.49687	114.00000	-0.12341	113.75	0.0	0.0	0.0
	-10.00200	-31.49687	114.00000	-0.15105	113.75	0.0	0.0	0.0
	-9.00220	-31.49687	114.00000	-0.18454	113.75	0.0	0.0	0.0
	-8.00240	-31.49687	114.00000	-0.22538	113.75	0.0	0.0	0.0
	-7.00260	-31.49687	114.00000	-0.27554	113.75	0.0	0.0	0.0
	-6.00280	-31.49687	114.00000	-0.33767	113.75	0.0	0.0	0.0
	-5.00300	-31.49687	114.00000	-0.41535	113.75	0.0	0.0	0.0
	-4.00320	-31.49687	114.00000	-0.51351	113.75	0.0	0.0	0.0
	-3.00340	-31.49687	114.00000	-0.63910	113.75	0.0	0.0	0.0
	-2.00360	-31.49687	114.00000	-0.80215	113.75	0.0	0.0	0.0
	-1.00380	-31.49687	114.00000	-1.0177	113.75	0.0	0.0	0.0
	-0.00400	-31.49687	114.00000	-1.3092	113.75	0.0	0.0	0.0
	0.99580	-31.49687	114.00000	-1.7175	113.75	0.0	0.0	0.0
	1.99560	-31.49687	114.00000	-2.3281	113.75	0.0	0.0	0.0
	2.99540	-31.49687	114.00000	-3.4156	113.75	0.0	0.0	0.0
	3.99520	-31.49687	114.00000	-5.1136	113.75	0.0	0.0	0.0
	4.99500	-31.49687	114.00000	-5.8018	113.75	0.0	0.0	0.0
	-20.00000	-30.49750	114.00000	-0.0104435	113.75	0.0	0.0	0.0
	-19.00020	-30.49750	114.00000	-0.016543	113.75	0.0	0.0	0.0
	-18.00040	-30.49750	114.00000	-0.023734	113.75	0.0	0.0	0.0
	-17.00060	-30.49750	114.00000	-0.032210	113.75	0.0	0.0	0.0
	-16.00080	-30.49750	114.00000	-0.042221	113.75	0.0	0.0	0.0
	-15.00100	-30.49750	114.00000	-0.054071	113.75	0.0	0.0	0.0
	-14.00120	-30.49750	114.00000	-0.068144	113.75	0.0	0.0	0.0
	-13.00140	-30.49750	114.00000	-0.084916	113.75	0.0	0.0	0.0
	-12.00160	-30.49750	114.00000	-0.10499	113.75	0.0	0.0	0.0
	-11.00180	-30.49750	114.00000	-0.12914	113.75	0.0	0.0	0.0
	-10.00200	-30.49750	114.00000	-0.15836	113.75	0.0	0.0	0.0
	-9.00220	-30.49750	114.00000	-0.19395	113.75	0.0	0.0	0.0
	-8.00240	-30.49750	114.00000	-0.23762	113.75	0.0	0.0	0.0
	-7.00260	-30.49750	114.00000	-0.29165	113.75	0.0	0.0	0.0
	-6.00280	-30.49750	114.00000	-0.35915	113.75	0.0	0.0	0.0
	-5.00300	-30.49750	114.00000	-0.44442	113.75	0.0	0.0	0.0
	-4.00320	-30.49750	114.00000	-0.55354	113.75	0.0	0.0	0.0
	-3.00340	-30.49750	114.00000	-0.69536	113.75	0.0	0.0	0.0
	-2.00360	-30.49750	114.00000	-0.88330	113.75	0.0	0.0	0.0
	-1.00380	-30.49750	114.00000	-1.1387	113.75	0.0	0.0	0.0
	-0.00400	-30.49750	114.00000	-1.4977	113.75	0.0	0.0	0.0
	0.99580	-30.49750	114.00000	-2.0285	113.75	0.0	0.0	0.0
	1.99560	-30.49750	114.00000	-2.8997	113.75	0.0	0.0	0.0
	2.99540	-30.49750	114.00000	-4.7014	113.75	0.0	0.0	0.0
	3.99520	-30.49750	114.00000	-5.7723	113.75	0.0	0.0	0.0
	4.99500	-30.49750	114.00000	-6.3082	113.75	0.0	0.0	0.0
	-20.00000	-29.49812	114.00000	-0.0110994	113.75	0.0	0.0	0.0
	-19.00020	-29.49812	114.00000	-0.017349	113.75	0.0	0.0	0.0
	-18.00040	-29.49812	114.00000	-0.024720	113.75	0.0	0.0	0.0
	-17.00060	-29.49812	114.00000	-0.033421	113.75	0.0	0.0	0.0
	-16.00080	-29.49812	114.00000	-0.043712	113.75	0.0	0.0	0.0
	-15.00100	-29.49812	114.00000	-0.055918	113.75	0.0	0.0	0.0
	-14.00120	-29.49812	114.00000	-0.070442	113.75	0.0	0.0	0.0
	-13.00140	-29.49812	114.00000	-0.087793	113.75	0.0	0.0	0.0
	-12.00160	-29.49812	114.00000	-0.10862	113.75	0.0	0.0	0.0
	-11.00180	-29.49812	114.00000	-0.13375	113.75	0.0	0.0	0.0
	-10.00200	-29.49812	114.00000	-0.16427	113.75	0.0	0.0	0.0
	-9.00220	-29.49812	114.00000	-0.20160	113.75	0.0	0.0	0.0
	-8.00240	-29.49812	114.00000	-0.24763	113.75	0.0	0.0	0.0
	-7.00260	-29.49812	114.00000	-0.30493	113.75	0.0	0.0	0.0
	-6.00280	-29.49812	114.00000	-0.37701	113.75	0.0	0.0	0.0
	-5.00300	-29.49812	114.00000	-0.46895	113.75	0.0	0.0	0.0
	-4.00320	-29.49812	114.00000	-0.58762	113.75	0.0	0.0	0.0
	-3.00340	-29.49812	114.00000	-0.74410	113.75	0.0	0.0	0.0
	-2.00360	-29.49812	114.00000	-0.95529	113.75	0.0	0.0	0.0
	-1.00380	-29.49812	114.00000	-1.2502	113.75	0.0	0.0	0.0
	-0.00400	-29.49812	114.00000	-1.6840	113.75	0.0	0.0	0.0
	0.99580	-29.49812	114.00000	-2.3813	113.75	0.0	0.0	0.0
	1.99560	-29.49812	114.00000	-3.7596	113.75	0.0	0.0	0.0
	2.99540	-29.49812	114.00000	-5.4298	113.75	0.0	0.0	0.0
	3.99520	-29.49812	114.00000	-6.2118	113.75	0.0	0.0	0.0
	4.99500	-29.49812	114.00000	-6.6663	113.75	0.0	0.0	0.0
	-20.00000	-28.49875	114.00000	-0.011561	113.75	0.0	0.0	0.0
	-19.00020	-28.49875	114.00000	-0.017919	113.75	0.0	0.0	0.0
	-18.00040	-28.49875	114.00000	-0.025419	113.75	0.0	0.0	0.0
	-17.00060	-28.49875	114.00000	-0.034281	113.75	0.0	0.0	0.0
	-16.00080	-28.49875	114.00000	-0.044774	113.75	0.0	0.0	0.0
	-15.00100	-28.49875	114.00000	-0.057235	113.75	0.0	0.0	0.0
	-14.00120	-28.49875	114.00000	-0.072085	113.75	0.0	0.0	0.0
	-13.00140	-28.49875	114.00000	-0.089856	113.75	0.0	0.0	0.0
	-12.00160	-28.49875	114.00000	-0.11123	113.75	0.0	0.0	0.0
	-11.00180	-28.49875	114.00000	-0.13708	113.75	0.0	0.0	0.0
	-10.00200	-28.49875	114.00000	-0.16855	113.75	0.0	0.0	0.0
	-9.00220	-28.49875	114.00000	-0.20717	113.75	0.0	0.0	0.0
	-8.00240	-28.49875	114.00000	-0.25497	113.75	0.0	0.0	0.0
	-7.00260	-28.49875	114.00000	-0.31472	113.75	0.0	0.0	0.0
	-6.00280	-28.49875	114.00000	-0.39029	113.75	0.0	0.0	0.0
	-5.00300	-28.49875	114.00000	-0.48719	113.75	0.0	0.0	0.0
	-4.00320	-28.49875	114.00000	-0.61348	113.75	0.0	0.0	0.0
	-3.00340	-28.49875	114.00000	-0.78154	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	-2.00360	-28.49875	114.00000	-1.0115	113.75	0.0	0.0	0.0
	-1.00380	-28.49875	114.00000	-1.3395	113.75	0.0	0.0	0.0
	-0.00400	-28.49875	114.00000	-1.8431	113.75	0.0	0.0	0.0
	0.99580	-28.49875	114.00000	-2.7682	113.75	0.0	0.0	0.0
	1.99560	-28.49875	114.00000	-4.7107	113.75	0.0	0.0	0.0
	2.99540	-28.49875	114.00000	-5.8286	113.75	0.0	0.0	0.0
	3.99520	-28.49875	114.00000	-6.4879	113.75	0.0	0.0	0.0
	4.99500	-28.49875	114.00000	-6.9006	113.75	0.0	0.0	0.0
	-20.00000	-27.49938	114.00000	-0.011824	113.75	0.0	0.0	0.0
	-19.00020	-27.49938	114.00000	-0.018241	113.75	0.0	0.0	0.0
	-18.00040	-27.49938	114.00000	-0.025815	113.75	0.0	0.0	0.0
	-17.00060	-27.49938	114.00000	-0.034769	113.75	0.0	0.0	0.0
	-16.00080	-27.49938	114.00000	-0.045379	113.75	0.0	0.0	0.0
	-15.00100	-27.49938	114.00000	-0.057987	113.75	0.0	0.0	0.0
	-14.00120	-27.49938	114.00000	-0.073025	113.75	0.0	0.0	0.0
	-13.00140	-27.49938	114.00000	-0.091039	113.75	0.0	0.0	0.0
	-12.00160	-27.49938	114.00000	-0.11273	113.75	0.0	0.0	0.0
	-11.00180	-27.49938	114.00000	-0.13900	113.75	0.0	0.0	0.0
	-10.00200	-27.49938	114.00000	-0.17104	113.75	0.0	0.0	0.0
	-9.00220	-27.49938	114.00000	-0.21042	113.75	0.0	0.0	0.0
	-8.00240	-27.49938	114.00000	-0.25928	113.75	0.0	0.0	0.0
	-7.00260	-27.49938	114.00000	-0.32052	113.75	0.0	0.0	0.0
	-6.00280	-27.49938	114.00000	-0.39822	113.75	0.0	0.0	0.0
	-5.00300	-27.49938	114.00000	-0.49823	113.75	0.0	0.0	0.0
	-4.00320	-27.49938	114.00000	-0.62920	113.75	0.0	0.0	0.0
	-3.00340	-27.49938	114.00000	-0.80451	113.75	0.0	0.0	0.0
	-2.00360	-27.49938	114.00000	-1.0461	113.75	0.0	0.0	0.0
	-1.00380	-27.49938	114.00000	-1.3935	113.75	0.0	0.0	0.0
	-0.00400	-27.49938	114.00000	-1.9313	113.75	0.0	0.0	0.0
	0.99580	-27.49938	114.00000	-2.9081	113.75	0.0	0.0	0.0
	1.99560	-27.49938	114.00000	-4.8266	113.75	0.0	0.0	0.0
	2.99540	-27.49938	114.00000	-5.9984	113.75	0.0	0.0	0.0
	3.99520	-27.49938	114.00000	-6.6290	113.75	0.0	0.0	0.0
	4.99500	-27.49938	114.00000	-7.0247	113.75	0.0	0.0	0.0
	-20.00000	-26.50000	114.00000	-0.011879	113.75	0.0	0.0	0.0
	-19.00020	-26.50000	114.00000	-0.018309	113.75	0.0	0.0	0.0
	-18.00040	-26.50000	114.00000	-0.025900	113.75	0.0	0.0	0.0
	-17.00060	-26.50000	114.00000	-0.034874	113.75	0.0	0.0	0.0
	-16.00080	-26.50000	114.00000	-0.045510	113.75	0.0	0.0	0.0
	-15.00100	-26.50000	114.00000	-0.058152	113.75	0.0	0.0	0.0
	-14.00120	-26.50000	114.00000	-0.073233	113.75	0.0	0.0	0.0
	-13.00140	-26.50000	114.00000	-0.091304	113.75	0.0	0.0	0.0
	-12.00160	-26.50000	114.00000	-0.11307	113.75	0.0	0.0	0.0
	-11.00180	-26.50000	114.00000	-0.13944	113.75	0.0	0.0	0.0
	-10.00200	-26.50000	114.00000	-0.17162	113.75	0.0	0.0	0.0
	-9.00220	-26.50000	114.00000	-0.21120	113.75	0.0	0.0	0.0
	-8.00240	-26.50000	114.00000	-0.26034	113.75	0.0	0.0	0.0
	-7.00260	-26.50000	114.00000	-0.32198	113.75	0.0	0.0	0.0
	-6.00280	-26.50000	114.00000	-0.40028	113.75	0.0	0.0	0.0
	-5.00300	-26.50000	114.00000	-0.50120	113.75	0.0	0.0	0.0
	-4.00320	-26.50000	114.00000	-0.63359	113.75	0.0	0.0	0.0
	-3.00340	-26.50000	114.00000	-0.81108	113.75	0.0	0.0	0.0
	-2.00360	-26.50000	114.00000	-1.0560	113.75	0.0	0.0	0.0
	-1.00380	-26.50000	114.00000	-1.4079	113.75	0.0	0.0	0.0
	-0.00400	-26.50000	114.00000	-1.9479	113.75	0.0	0.0	0.0
	0.99580	-26.50000	114.00000	-2.9031	113.75	0.0	0.0	0.0
	1.99560	-26.50000	114.00000	-4.8951	113.75	0.0	0.0	0.0
	2.99540	-26.50000	114.00000	-6.0290	113.75	0.0	0.0	0.0
	3.99520	-26.50000	114.00000	-6.6562	113.75	0.0	0.0	0.0
	4.99500	-26.50000	114.00000	-7.0454	113.75	0.0	0.0	0.0
Grid 8	5.00000	-34.50000	112.00000	-2.4109	111.75	0.0	0.0	0.0
	6.00000	-34.50000	112.00000	-2.3816	111.75	0.0	0.0	0.0
	7.00000	-34.50000	112.00000	-2.1657	111.75	0.0	0.0	0.0
	8.00000	-34.50000	112.00000	-1.9584	111.75	0.0	0.0	0.0
	9.00000	-34.50000	112.00000	-1.7663	111.75	0.0	0.0	0.0
	10.00000	-34.50000	112.00000	-1.5888	111.75	0.0	0.0	0.0
	11.00000	-34.50000	112.00000	-1.4247	111.75	0.0	0.0	0.0
	12.00000	-34.50000	112.00000	-1.2731	111.75	0.0	0.0	0.0
	13.00000	-34.50000	112.00000	-1.1330	111.75	0.0	0.0	0.0
	14.00000	-34.50000	112.00000	-1.0037	111.75	0.0	0.0	0.0
	15.00000	-34.50000	112.00000	-0.88465	111.75	0.0	0.0	0.0
	16.00000	-34.50000	112.00000	-0.77547	111.75	0.0	0.0	0.0
	17.00000	-34.50000	112.00000	-0.67591	111.75	0.0	0.0	0.0
	18.00000	-34.50000	112.00000	-0.58580	111.75	0.0	0.0	0.0
	19.00000	-34.50000	112.00000	-0.50493	111.75	0.0	0.0	0.0
	20.00000	-34.50000	112.00000	-0.43304	111.75	0.0	0.0	0.0
	21.00000	-34.50000	112.00000	-0.36971	111.75	0.0	0.0	0.0
	22.00000	-34.50000	112.00000	-0.31437	111.75	0.0	0.0	0.0
	23.00000	-34.50000	112.00000	-0.26636	111.75	0.0	0.0	0.0
	24.00000	-34.50000	112.00000	-0.22492	111.75	0.0	0.0	0.0
	25.00000	-34.50000	112.00000	-0.18929	111.75	0.0	0.0	0.0
	26.00000	-34.50000	112.00000	-0.15873	111.75	0.0	0.0	0.0
	27.00000	-34.50000	112.00000	-0.13255	111.75	0.0	0.0	0.0
	28.00000	-34.50000	112.00000	-0.11015	111.75	0.0	0.0	0.0
	29.00000	-34.50000	112.00000	-0.090965	111.75	0.0	0.0	0.0
	30.00000	-34.50000	112.00000	-0.074539	111.75	0.0	0.0	0.0
	31.00000	-34.50000	112.00000	-0.060463	111.75	0.0	0.0	0.0
	32.00000	-34.50000	112.00000	-0.048391	111.75	0.0	0.0	0.0
	33.00000	-34.50000	112.00000	-0.038032	111.75	0.0	0.0	0.0
	34.00000	-34.50000	112.00000	-0.029136	111.75	0.0	0.0	0.0
	35.00000	-34.50000	112.00000	-0.021495	111.75	0.0	0.0	0.0
	36.00000	-34.50000	112.00000	-0.014930	111.75	0.0	0.0	0.0
	37.00000	-34.50000	112.00000	-0.0092908	111.75	0.0	0.0	0.0
	38.00000	-34.50000	112.00000	-0.0044489	111.75	0.0	0.0	0.0
	39.00000	-34.50000	112.00000	-295.34E-6	111.75	0.0	0.0	0.0
	40.00000	-34.50000	112.00000	0.0032628	111.75	0.0	0.0	0.0
	41.00000	-34.50000	112.00000	0.0063051	111.75	0.0	0.0	0.0
	42.00000	-34.50000	112.00000	0.0088997	111.75	0.0	0.0	0.0
	43.00000	-34.50000	112.00000	0.011105	111.75	0.0	0.0	0.0
	44.00000	-34.50000	112.00000	0.012972	111.75	0.0	0.0	0.0
	45.00000	-34.50000	112.00000	0.014544	111.75	0.0	0.0	0.0
	46.00000	-34.50000	112.00000	0.015860	111.75	0.0	0.0	0.0
	47.00000	-34.50000	112.00000	0.016950	111.75	0.0	0.0	0.0
	48.00000	-34.50000	112.00000	0.017845	111.75	0.0	0.0	0.0
	49.00000	-34.50000	112.00000	0.018570	111.75	0.0	0.0	0.0
	50.00000	-34.50000	112.00000	0.019145	111.75	0.0	0.0	0.0
	5.00000	-33.50000	112.00000	-4.0773	111.75	0.0	0.0	0.0
	6.00000	-33.50000	112.00000	-4.2215	111.75	0.0	0.0	0.0
	7.00000	-33.50000	112.00000	-3.4242	111.75	0.0	0.0	0.0
	8.00000	-33.50000	112.00000	-2.8225	111.75	0.0	0.0	0.0
	9.00000	-33.50000	112.00000	-2.4171	111.75	0.0	0.0	0.0
	10.00000	-33.50000	112.00000	-2.1043	111.75	0.0	0.0	0.0
	11.00000	-33.50000	112.00000	-1.8438	111.75	0.0	0.0	0.0
	12.00000	-33.50000	112.00000	-1.6184	111.75	0.0	0.0	0.0
	13.00000	-33.50000	112.00000	-1.4195	111.75	0.0	0.0	0.0
	14.00000	-33.50000	112.00000	-1.2417	111.75	0.0	0.0	0.0
	15.00000	-33.50000	112.00000	-1.0819	111.75	0.0	0.0	0.0
	16.00000	-33.50000	112.00000	-0.93803	111.75	0.0	0.0	0.0
	17.00000	-33.50000	112.00000	-0.80882	111.75	0.0	0.0	0.0
	18.00000	-33.50000	112.00000	-0.69348	111.75	0.0	0.0	0.0
	19.00000	-33.50000	112.00000	-0.59139	111.75	0.0	0.0	0.0
	20.00000	-33.50000	112.00000	-0.50190	111.75	0.0	0.0	0.0
	21.00000	-33.50000	112.00000	-0.42422	111.75	0.0	0.0	0.0
	22.00000	-33.50000	112.00000	-0.35737	111.75	0.0	0.0	0.0
	23.00000	-33.50000	112.00000	-0.30023	111.75	0.0	0.0	0.0
	24.00000	-33.50000	112.00000	-0.25162	111.75	0.0	0.0	0.0
	25.00000	-33.50000	112.00000	-0.21038	111.75	0.0	0.0	0.0
	26.00000	-33.50000	112.00000	-0.17545	111.75	0.0	0.0	0.0
	27.00000	-33.50000	112.00000	-0.14586	111.75	0.0	0.0	0.0
	28.00000	-33.50000	112.00000	-0.12078	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	29.00000	-33.50000	112.00000	-0.099504	111.75	0.0	0.0	0.0
	30.00000	-33.50000	112.00000	-0.081425	111.75	0.0	0.0	0.0
	31.00000	-33.50000	112.00000	-0.066040	111.75	0.0	0.0	0.0
	32.00000	-33.50000	112.00000	-0.052926	111.75	0.0	0.0	0.0
	33.00000	-33.50000	112.00000	-0.041733	111.75	0.0	0.0	0.0
	34.00000	-33.50000	112.00000	-0.032166	111.75	0.0	0.0	0.0
	35.00000	-33.50000	112.00000	-0.023983	111.75	0.0	0.0	0.0
	36.00000	-33.50000	112.00000	-0.016978	111.75	0.0	0.0	0.0
	37.00000	-33.50000	112.00000	-0.010979	111.75	0.0	0.0	0.0
	38.00000	-33.50000	112.00000	-0.0058424	111.75	0.0	0.0	0.0
	39.00000	-33.50000	112.00000	-0.0014468	111.75	0.0	0.0	0.0
	40.00000	-33.50000	112.00000	0.0023112	111.75	0.0	0.0	0.0
	41.00000	-33.50000	112.00000	0.0055189	111.75	0.0	0.0	0.0
	42.00000	-33.50000	112.00000	0.0082509	111.75	0.0	0.0	0.0
	43.00000	-33.50000	112.00000	0.010571	111.75	0.0	0.0	0.0
	44.00000	-33.50000	112.00000	0.012533	111.75	0.0	0.0	0.0
	45.00000	-33.50000	112.00000	0.014185	111.75	0.0	0.0	0.0
	46.00000	-33.50000	112.00000	0.015567	111.75	0.0	0.0	0.0
	47.00000	-33.50000	112.00000	0.016714	111.75	0.0	0.0	0.0
	48.00000	-33.50000	112.00000	0.017657	111.75	0.0	0.0	0.0
	49.00000	-33.50000	112.00000	0.018420	111.75	0.0	0.0	0.0
	50.00000	-33.50000	112.00000	0.019029	111.75	0.0	0.0	0.0
	5.00000	-32.50000	112.00000	-5.0966	111.75	0.0	0.0	0.0
	6.00000	-32.50000	112.00000	-5.3633	111.75	0.0	0.0	0.0
	7.00000	-32.50000	112.00000	-5.2075	111.75	0.0	0.0	0.0
	8.00000	-32.50000	112.00000	-4.6238	111.75	0.0	0.0	0.0
	9.00000	-32.50000	112.00000	-3.5392	111.75	0.0	0.0	0.0
	10.00000	-32.50000	112.00000	-2.8953	111.75	0.0	0.0	0.0
	11.00000	-32.50000	112.00000	-2.4451	111.75	0.0	0.0	0.0
	12.00000	-32.50000	112.00000	-2.0937	111.75	0.0	0.0	0.0
	13.00000	-32.50000	112.00000	-1.8022	111.75	0.0	0.0	0.0
	14.00000	-32.50000	112.00000	-1.5523	111.75	0.0	0.0	0.0
	15.00000	-32.50000	112.00000	-1.3342	111.75	0.0	0.0	0.0
	16.00000	-32.50000	112.00000	-1.1420	111.75	0.0	0.0	0.0
	17.00000	-32.50000	112.00000	-0.97224	111.75	0.0	0.0	0.0
	18.00000	-32.50000	112.00000	-0.82304	111.75	0.0	0.0	0.0
	19.00000	-32.50000	112.00000	-0.69297	111.75	0.0	0.0	0.0
	20.00000	-32.50000	112.00000	-0.58083	111.75	0.0	0.0	0.0
	21.00000	-32.50000	112.00000	-0.48517	111.75	0.0	0.0	0.0
	22.00000	-32.50000	112.00000	-0.40431	111.75	0.0	0.0	0.0
	23.00000	-32.50000	112.00000	-0.33640	111.75	0.0	0.0	0.0
	24.00000	-32.50000	112.00000	-0.27957	111.75	0.0	0.0	0.0
	25.00000	-32.50000	112.00000	-0.23207	111.75	0.0	0.0	0.0
	26.00000	-32.50000	112.00000	-0.19238	111.75	0.0	0.0	0.0
	27.00000	-32.50000	112.00000	-0.15915	111.75	0.0	0.0	0.0
	28.00000	-32.50000	112.00000	-0.13128	111.75	0.0	0.0	0.0
	29.00000	-32.50000	112.00000	-0.10785	111.75	0.0	0.0	0.0
	30.00000	-32.50000	112.00000	-0.088098	111.75	0.0	0.0	0.0
	31.00000	-32.50000	112.00000	-0.071403	111.75	0.0	0.0	0.0
	32.00000	-32.50000	112.00000	-0.057257	111.75	0.0	0.0	0.0
	33.00000	-32.50000	112.00000	-0.045247	111.75	0.0	0.0	0.0
	34.00000	-32.50000	112.00000	-0.035029	111.75	0.0	0.0	0.0
	35.00000	-32.50000	112.00000	-0.026323	111.75	0.0	0.0	0.0
	36.00000	-32.50000	112.00000	-0.018895	111.75	0.0	0.0	0.0
	37.00000	-32.50000	112.00000	-0.012555	111.75	0.0	0.0	0.0
	38.00000	-32.50000	112.00000	-0.0071399	111.75	0.0	0.0	0.0
	39.00000	-32.50000	112.00000	-0.0025162	111.75	0.0	0.0	0.0
	40.00000	-32.50000	112.00000	0.0014291	111.75	0.0	0.0	0.0
	41.00000	-32.50000	112.00000	0.0047914	111.75	0.0	0.0	0.0
	42.00000	-32.50000	112.00000	0.0076514	111.75	0.0	0.0	0.0
	43.00000	-32.50000	112.00000	0.010078	111.75	0.0	0.0	0.0
	44.00000	-32.50000	112.00000	0.012129	111.75	0.0	0.0	0.0
	45.00000	-32.50000	112.00000	0.013854	111.75	0.0	0.0	0.0
	46.00000	-32.50000	112.00000	0.015298	111.75	0.0	0.0	0.0
	47.00000	-32.50000	112.00000	0.016496	111.75	0.0	0.0	0.0
	48.00000	-32.50000	112.00000	0.017482	111.75	0.0	0.0	0.0
	49.00000	-32.50000	112.00000	0.018282	111.75	0.0	0.0	0.0
	50.00000	-32.50000	112.00000	0.018921	111.75	0.0	0.0	0.0
	5.00000	-31.50000	112.00000	-5.8016	111.75	0.0	0.0	0.0
	6.00000	-31.50000	112.00000	-6.0755	111.75	0.0	0.0	0.0
	7.00000	-31.50000	112.00000	-6.0870	111.75	0.0	0.0	0.0
	8.00000	-31.50000	112.00000	-5.8745	111.75	0.0	0.0	0.0
	9.00000	-31.50000	112.00000	-5.4041	111.75	0.0	0.0	0.0
	10.00000	-31.50000	112.00000	-4.4962	111.75	0.0	0.0	0.0
	11.00000	-31.50000	112.00000	-3.4292	111.75	0.0	0.0	0.0
	12.00000	-31.50000	112.00000	-2.8005	111.75	0.0	0.0	0.0
	13.00000	-31.50000	112.00000	-2.3408	111.75	0.0	0.0	0.0
	14.00000	-31.50000	112.00000	-1.9737	111.75	0.0	0.0	0.0
	15.00000	-31.50000	112.00000	-1.6668	111.75	0.0	0.0	0.0
	16.00000	-31.50000	112.00000	-1.4040	111.75	0.0	0.0	0.0
	17.00000	-31.50000	112.00000	-1.1769	111.75	0.0	0.0	0.0
	18.00000	-31.50000	112.00000	-0.98074	111.75	0.0	0.0	0.0
	19.00000	-31.50000	112.00000	-0.81287	111.75	0.0	0.0	0.0
	20.00000	-31.50000	112.00000	-0.67103	111.75	0.0	0.0	0.0
	21.00000	-31.50000	112.00000	-0.55266	111.75	0.0	0.0	0.0
	22.00000	-31.50000	112.00000	-0.45479	111.75	0.0	0.0	0.0
	23.00000	-31.50000	112.00000	-0.37429	111.75	0.0	0.0	0.0
	24.00000	-31.50000	112.00000	-0.30818	111.75	0.0	0.0	0.0
	25.00000	-31.50000	112.00000	-0.25386	111.75	0.0	0.0	0.0
	26.00000	-31.50000	112.00000	-0.20910	111.75	0.0	0.0	0.0
	27.00000	-31.50000	112.00000	-0.17210	111.75	0.0	0.0	0.0
	28.00000	-31.50000	112.00000	-0.14139	111.75	0.0	0.0	0.0
	29.00000	-31.50000	112.00000	-0.11580	111.75	0.0	0.0	0.0
	30.00000	-31.50000	112.00000	-0.094395	111.75	0.0	0.0	0.0
	31.00000	-31.50000	112.00000	-0.076425	111.75	0.0	0.0	0.0
	32.00000	-31.50000	112.00000	-0.061288	111.75	0.0	0.0	0.0
	33.00000	-31.50000	112.00000	-0.048498	111.75	0.0	0.0	0.0
	34.00000	-31.50000	112.00000	-0.037664	111.75	0.0	0.0	0.0
	35.00000	-31.50000	112.00000	-0.028467	111.75	0.0	0.0	0.0
	36.00000	-31.50000	112.00000	-0.020647	111.75	0.0	0.0	0.0
	37.00000	-31.50000	112.00000	-0.013990	111.75	0.0	0.0	0.0
	38.00000	-31.50000	112.00000	-0.0083178	111.75	0.0	0.0	0.0
	39.00000	-31.50000	112.00000	-0.0034849	111.75	0.0	0.0	0.0
	40.00000	-31.50000	112.00000	631.77E-6	111.75	0.0	0.0	0.0
	41.00000	-31.50000	112.00000	0.0041349	111.75	0.0	0.0	0.0
	42.00000	-31.50000	112.00000	0.0071110	111.75	0.0	0.0	0.0
	43.00000	-31.50000	112.00000	0.0096333	111.75	0.0	0.0	0.0
	44.00000	-31.50000	112.00000	0.011764	111.75	0.0	0.0	0.0
	45.00000	-31.50000	112.00000	0.013556	111.75	0.0	0.0	0.0
	46.00000	-31.50000	112.00000	0.015055	111.75	0.0	0.0	0.0
	47.00000	-31.50000	112.00000	0.016300	111.75	0.0	0.0	0.0
	48.00000	-31.50000	112.00000	0.017324	111.75	0.0	0.0	0.0
	49.00000	-31.50000	112.00000	0.018157	111.75	0.0	0.0	0.0
	50.00000	-31.50000	112.00000	0.018822	111.75	0.0	0.0	0.0
	5.00000	-30.50000	112.00000	-6.3087	111.75	0.0	0.0	0.0
	6.00000	-30.50000	112.00000	-6.5730	111.75	0.0	0.0	0.0
	7.00000	-30.50000	112.00000	-6.6492	111.75	0.0	0.0	0.0
	8.00000	-30.50000	112.00000	-6.5703	111.75	0.0	0.0	0.0
	9.00000	-30.50000	112.00000	-6.3425	111.75	0.0	0.0	0.0
	10.00000	-30.50000	112.00000	-5.9420	111.75	0.0	0.0	0.0
	11.00000	-30.50000	112.00000	-5.2857	111.75	0.0	0.0	0.0
	12.00000	-30.50000	112.00000	-4.0866	111.75	0.0	0.0	0.0
	13.00000	-30.50000	112.00000	-3.1936	111.75	0.0	0.0	0.0
	14.00000	-30.50000	112.00000	-2.5893	111.75	0.0	0.0	0.0
	15.00000	-30.50000	112.00000	-2.1291	111.75	0.0	0.0	0.0
	16.00000	-30.50000	112.00000	-1.7546	111.75	0.0	0.0	0.0
	17.00000	-30.50000	112.00000	-1.4408	111.75	0.0	0.0	0.0
	18.00000	-30.50000	112.00000	-1.1763	111.75	0.0	0.0	0.0
	19.00000	-30.50000	112.00000	-0.95523	111.75	0.0	0.0	0.0
	20.00000	-30.50000	112.00000	-0.77347	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	21.00000	-30.50000	112.00000	-0.62616	111.75	0.0	0.0	0.0
	22.00000	-30.50000	112.00000	-0.50777	111.75	0.0	0.0	0.0
	23.00000	-30.50000	112.00000	-0.41285	111.75	0.0	0.0	0.0
	24.00000	-30.50000	112.00000	-0.33658	111.75	0.0	0.0	0.0
	25.00000	-30.50000	112.00000	-0.27503	111.75	0.0	0.0	0.0
	26.00000	-30.50000	112.00000	-0.22507	111.75	0.0	0.0	0.0
	27.00000	-30.50000	112.00000	-0.18428	111.75	0.0	0.0	0.0
	28.00000	-30.50000	112.00000	-0.15078	111.75	0.0	0.0	0.0
	29.00000	-30.50000	112.00000	-0.12312	111.75	0.0	0.0	0.0
	30.00000	-30.50000	112.00000	-0.10014	111.75	0.0	0.0	0.0
	31.00000	-30.50000	112.00000	-0.080974	111.75	0.0	0.0	0.0
	32.00000	-30.50000	112.00000	-0.064914	111.75	0.0	0.0	0.0
	33.00000	-30.50000	112.00000	-0.051408	111.75	0.0	0.0	0.0
	34.00000	-30.50000	112.00000	-0.040011	111.75	0.0	0.0	0.0
	35.00000	-30.50000	112.00000	-0.030370	111.75	0.0	0.0	0.0
	36.00000	-30.50000	112.00000	-0.022196	111.75	0.0	0.0	0.0
	37.00000	-30.50000	112.00000	-0.015254	111.75	0.0	0.0	0.0
	38.00000	-30.50000	112.00000	-0.0093535	111.75	0.0	0.0	0.0
	39.00000	-30.50000	112.00000	-0.0043347	111.75	0.0	0.0	0.0
	40.00000	-30.50000	112.00000	-66.525E-6	111.75	0.0	0.0	0.0
	41.00000	-30.50000	112.00000	0.0035607	111.75	0.0	0.0	0.0
	42.00000	-30.50000	112.00000	0.0066389	111.75	0.0	0.0	0.0
	43.00000	-30.50000	112.00000	0.0092455	111.75	0.0	0.0	0.0
	44.00000	-30.50000	112.00000	0.011446	111.75	0.0	0.0	0.0
	45.00000	-30.50000	112.00000	0.013296	111.75	0.0	0.0	0.0
	46.00000	-30.50000	112.00000	0.014843	111.75	0.0	0.0	0.0
	47.00000	-30.50000	112.00000	0.016128	111.75	0.0	0.0	0.0
	48.00000	-30.50000	112.00000	0.017186	111.75	0.0	0.0	0.0
	49.00000	-30.50000	112.00000	0.018047	111.75	0.0	0.0	0.0
	50.00000	-30.50000	112.00000	0.018736	111.75	0.0	0.0	0.0
	5.00000	-29.50000	112.00000	-6.6673	111.75	0.0	0.0	0.0
	6.00000	-29.50000	112.00000	-6.9216	111.75	0.0	0.0	0.0
	7.00000	-29.50000	112.00000	-7.0293	111.75	0.0	0.0	0.0
	8.00000	-29.50000	112.00000	-7.0166	111.75	0.0	0.0	0.0
	9.00000	-29.50000	112.00000	-6.8952	111.75	0.0	0.0	0.0
	10.00000	-29.50000	112.00000	-6.6638	111.75	0.0	0.0	0.0
	11.00000	-29.50000	112.00000	-6.3061	111.75	0.0	0.0	0.0
	12.00000	-29.50000	112.00000	-5.7749	111.75	0.0	0.0	0.0
	13.00000	-29.50000	112.00000	-4.9509	111.75	0.0	0.0	0.0
	14.00000	-29.50000	112.00000	-3.6640	111.75	0.0	0.0	0.0
	15.00000	-29.50000	112.00000	-2.8453	111.75	0.0	0.0	0.0
	16.00000	-29.50000	112.00000	-2.2587	111.75	0.0	0.0	0.0
	17.00000	-29.50000	112.00000	-1.7989	111.75	0.0	0.0	0.0
	18.00000	-29.50000	112.00000	-1.4262	111.75	0.0	0.0	0.0
	19.00000	-29.50000	112.00000	-1.1256	111.75	0.0	0.0	0.0
	20.00000	-29.50000	112.00000	-0.88826	111.75	0.0	0.0	0.0
	21.00000	-29.50000	112.00000	-0.70393	111.75	0.0	0.0	0.0
	22.00000	-29.50000	112.00000	-0.56131	111.75	0.0	0.0	0.0
	23.00000	-29.50000	112.00000	-0.45044	111.75	0.0	0.0	0.0
	24.00000	-29.50000	112.00000	-0.36350	111.75	0.0	0.0	0.0
	25.00000	-29.50000	112.00000	-0.29466	111.75	0.0	0.0	0.0
	26.00000	-29.50000	112.00000	-0.23962	111.75	0.0	0.0	0.0
	27.00000	-29.50000	112.00000	-0.19523	111.75	0.0	0.0	0.0
	28.00000	-29.50000	112.00000	-0.15913	111.75	0.0	0.0	0.0
	29.00000	-29.50000	112.00000	-0.12955	111.75	0.0	0.0	0.0
	30.00000	-29.50000	112.00000	-0.10515	111.75	0.0	0.0	0.0
	31.00000	-29.50000	112.00000	-0.084914	111.75	0.0	0.0	0.0
	32.00000	-29.50000	112.00000	-0.068037	111.75	0.0	0.0	0.0
	33.00000	-29.50000	112.00000	-0.053900	111.75	0.0	0.0	0.0
	34.00000	-29.50000	112.00000	-0.042013	111.75	0.0	0.0	0.0
	35.00000	-29.50000	112.00000	-0.031986	111.75	0.0	0.0	0.0
	36.00000	-29.50000	112.00000	-0.023507	111.75	0.0	0.0	0.0
	37.00000	-29.50000	112.00000	-0.016322	111.75	0.0	0.0	0.0
	38.00000	-29.50000	112.00000	-0.010226	111.75	0.0	0.0	0.0
	39.00000	-29.50000	112.00000	-0.0050490	111.75	0.0	0.0	0.0
	40.00000	-29.50000	112.00000	-652.56E-6	111.75	0.0	0.0	0.0
	41.00000	-29.50000	112.00000	0.0030794	111.75	0.0	0.0	0.0
	42.00000	-29.50000	112.00000	0.0062435	111.75	0.0	0.0	0.0
	43.00000	-29.50000	112.00000	0.0089209	111.75	0.0	0.0	0.0
	44.00000	-29.50000	112.00000	0.011180	111.75	0.0	0.0	0.0
	45.00000	-29.50000	112.00000	0.013078	111.75	0.0	0.0	0.0
	46.00000	-29.50000	112.00000	0.014666	111.75	0.0	0.0	0.0
	47.00000	-29.50000	112.00000	0.015984	111.75	0.0	0.0	0.0
	48.00000	-29.50000	112.00000	0.017070	111.75	0.0	0.0	0.0
	49.00000	-29.50000	112.00000	0.017954	111.75	0.0	0.0	0.0
	50.00000	-29.50000	112.00000	0.018663	111.75	0.0	0.0	0.0
	5.00000	-28.50000	112.00000	-6.9019	111.75	0.0	0.0	0.0
	6.00000	-28.50000	112.00000	-7.1500	111.75	0.0	0.0	0.0
	7.00000	-28.50000	112.00000	-7.2755	111.75	0.0	0.0	0.0
	8.00000	-28.50000	112.00000	-7.3011	111.75	0.0	0.0	0.0
	9.00000	-28.50000	112.00000	-7.2391	111.75	0.0	0.0	0.0
	10.00000	-28.50000	112.00000	-7.0936	111.75	0.0	0.0	0.0
	11.00000	-28.50000	112.00000	-6.8610	111.75	0.0	0.0	0.0
	12.00000	-28.50000	112.00000	-6.5284	111.75	0.0	0.0	0.0
	13.00000	-28.50000	112.00000	-6.0664	111.75	0.0	0.0	0.0
	14.00000	-28.50000	112.00000	-5.4077	111.75	0.0	0.0	0.0
	15.00000	-28.50000	112.00000	-4.3769	111.75	0.0	0.0	0.0
	16.00000	-28.50000	112.00000	-3.1162	111.75	0.0	0.0	0.0
	17.00000	-28.50000	112.00000	-2.3389	111.75	0.0	0.0	0.0
	18.00000	-28.50000	112.00000	-1.7648	111.75	0.0	0.0	0.0
	19.00000	-28.50000	112.00000	-1.3312	111.75	0.0	0.0	0.0
	20.00000	-28.50000	112.00000	-1.0128	111.75	0.0	0.0	0.0
	21.00000	-28.50000	112.00000	-0.78181	111.75	0.0	0.0	0.0
	22.00000	-28.50000	112.00000	-0.61203	111.75	0.0	0.0	0.0
	23.00000	-28.50000	112.00000	-0.48469	111.75	0.0	0.0	0.0
	24.00000	-28.50000	112.00000	-0.38735	111.75	0.0	0.0	0.0
	25.00000	-28.50000	112.00000	-0.31168	111.75	0.0	0.0	0.0
	26.00000	-28.50000	112.00000	-0.25203	111.75	0.0	0.0	0.0
	27.00000	-28.50000	112.00000	-0.20444	111.75	0.0	0.0	0.0
	28.00000	-28.50000	112.00000	-0.16607	111.75	0.0	0.0	0.0
	29.00000	-28.50000	112.00000	-0.13485	111.75	0.0	0.0	0.0
	30.00000	-28.50000	112.00000	-0.10925	111.75	0.0	0.0	0.0
	31.00000	-28.50000	112.00000	-0.088115	111.75	0.0	0.0	0.0
	32.00000	-28.50000	112.00000	-0.070559	111.75	0.0	0.0	0.0
	33.00000	-28.50000	112.00000	-0.055903	111.75	0.0	0.0	0.0
	34.00000	-28.50000	112.00000	-0.043615	111.75	0.0	0.0	0.0
	35.00000	-28.50000	112.00000	-0.033275	111.75	0.0	0.0	0.0
	36.00000	-28.50000	112.00000	-0.024549	111.75	0.0	0.0	0.0
	37.00000	-28.50000	112.00000	-0.017169	111.75	0.0	0.0	0.0
	38.00000	-28.50000	112.00000	-0.010916	111.75	0.0	0.0	0.0
	39.00000	-28.50000	112.00000	-0.0056132	111.75	0.0	0.0	0.0
	40.00000	-28.50000	112.00000	-0.0011148	111.75	0.0	0.0	0.0
	41.00000	-28.50000	112.00000	0.0027002	111.75	0.0	0.0	0.0
	42.00000	-28.50000	112.00000	0.0059322	111.75	0.0	0.0	0.0
	43.00000	-28.50000	112.00000	0.0086653	111.75	0.0	0.0	0.0
	44.00000	-28.50000	112.00000	0.010970	111.75	0.0	0.0	0.0
	45.00000	-28.50000	112.00000	0.012907	111.75	0.0	0.0	0.0
	46.00000	-28.50000	112.00000	0.014526	111.75	0.0	0.0	0.0
	47.00000	-28.50000	112.00000	0.015871	111.75	0.0	0.0	0.0
	48.00000	-28.50000	112.00000	0.016978	111.75	0.0	0.0	0.0
	49.00000	-28.50000	112.00000	0.017881	111.75	0.0	0.0	0.0
	50.00000	-28.50000	112.00000	0.018605	111.75	0.0	0.0	0.0
	5.00000	-27.50000	112.00000	-7.0261	111.75	0.0	0.0	0.0
	6.00000	-27.50000	112.00000	-7.2717	111.75	0.0	0.0	0.0
	7.00000	-27.50000	112.00000	-7.4081	111.75	0.0	0.0	0.0
	8.00000	-27.50000	112.00000	-7.4575	111.75	0.0	0.0	0.0
	9.00000	-27.50000	112.00000	-7.4325	111.75	0.0	0.0	0.0
	10.00000	-27.50000	112.00000	-7.3388	111.75	0.0	0.0	0.0
	11.00000	-27.50000	112.00000	-7.1762	111.75	0.0	0.0	0.0
	12.00000	-27.50000	112.00000	-6.9390	111.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	13.00000	-27.50000	112.00000	-6.6149	111.75	0.0	0.0	0.0
	14.00000	-27.50000	112.00000	-6.1817	111.75	0.0	0.0	0.0
	15.00000	-27.50000	112.00000	-5.5973	111.75	0.0	0.0	0.0
	16.00000	-27.50000	112.00000	-4.7695	111.75	0.0	0.0	0.0
	17.00000	-27.50000	112.00000	-3.4001	111.75	0.0	0.0	0.0
	18.00000	-27.50000	112.00000	-2.2952	111.75	0.0	0.0	0.0
	19.00000	-27.50000	112.00000	-1.5783	111.75	0.0	0.0	0.0
	20.00000	-27.50000	112.00000	-1.1364	111.75	0.0	0.0	0.0
	21.00000	-27.50000	112.00000	-0.85149	111.75	0.0	0.0	0.0
	22.00000	-27.50000	112.00000	-0.65484	111.75	0.0	0.0	0.0
	23.00000	-27.50000	112.00000	-0.51257	111.75	0.0	0.0	0.0
	24.00000	-27.50000	112.00000	-0.40627	111.75	0.0	0.0	0.0
	25.00000	-27.50000	112.00000	-0.32493	111.75	0.0	0.0	0.0
	26.00000	-27.50000	112.00000	-0.26155	111.75	0.0	0.0	0.0
	27.00000	-27.50000	112.00000	-0.21142	111.75	0.0	0.0	0.0
	28.00000	-27.50000	112.00000	-0.1728	111.75	0.0	0.0	0.0
	29.00000	-27.50000	112.00000	-0.13879	111.75	0.0	0.0	0.0
	30.00000	-27.50000	112.00000	-0.11228	111.75	0.0	0.0	0.0
	31.00000	-27.50000	112.00000	-0.090461	111.75	0.0	0.0	0.0
	32.00000	-27.50000	112.00000	-0.072397	111.75	0.0	0.0	0.0
	33.00000	-27.50000	112.00000	-0.057356	111.75	0.0	0.0	0.0
	34.00000	-27.50000	112.00000	-0.044772	111.75	0.0	0.0	0.0
	35.00000	-27.50000	112.00000	-0.034203	111.75	0.0	0.0	0.0
	36.00000	-27.50000	112.00000	-0.025297	111.75	0.0	0.0	0.0
	37.00000	-27.50000	112.00000	-0.017774	111.75	0.0	0.0	0.0
	38.00000	-27.50000	112.00000	-0.011408	111.75	0.0	0.0	0.0
	39.00000	-27.50000	112.00000	-0.0060152	111.75	0.0	0.0	0.0
	40.00000	-27.50000	112.00000	-0.0014437	111.75	0.0	0.0	0.0
	41.00000	-27.50000	112.00000	0.0024306	111.75	0.0	0.0	0.0
	42.00000	-27.50000	112.00000	0.0057109	111.75	0.0	0.0	0.0
	43.00000	-27.50000	112.00000	0.0084836	111.75	0.0	0.0	0.0
	44.00000	-27.50000	112.00000	0.010821	111.75	0.0	0.0	0.0
	45.00000	-27.50000	112.00000	0.012785	111.75	0.0	0.0	0.0
	46.00000	-27.50000	112.00000	0.014426	111.75	0.0	0.0	0.0
	47.00000	-27.50000	112.00000	0.015789	111.75	0.0	0.0	0.0
	48.00000	-27.50000	112.00000	0.016912	111.75	0.0	0.0	0.0
	49.00000	-27.50000	112.00000	0.017827	111.75	0.0	0.0	0.0
	50.00000	-27.50000	112.00000	0.018562	111.75	0.0	0.0	0.0
	5.00000	-26.50000	112.00000	-7.0468	111.75	0.0	0.0	0.0
	6.00000	-26.50000	112.00000	-7.2906	111.75	0.0	0.0	0.0
	7.00000	-26.50000	112.00000	-7.4328	111.75	0.0	0.0	0.0
	8.00000	-26.50000	112.00000	-7.4969	111.75	0.0	0.0	0.0
	9.00000	-26.50000	112.00000	-7.4963	111.75	0.0	0.0	0.0
	10.00000	-26.50000	112.00000	-7.4371	111.75	0.0	0.0	0.0
	11.00000	-26.50000	112.00000	-7.3198	111.75	0.0	0.0	0.0
	12.00000	-26.50000	112.00000	-7.1396	111.75	0.0	0.0	0.0
	13.00000	-26.50000	112.00000	-6.8868	111.75	0.0	0.0	0.0
	14.00000	-26.50000	112.00000	-6.5458	111.75	0.0	0.0	0.0
	15.00000	-26.50000	112.00000	-6.0930	111.75	0.0	0.0	0.0
	16.00000	-26.50000	112.00000	-5.4885	111.75	0.0	0.0	0.0
	17.00000	-26.50000	112.00000	-4.6545	111.75	0.0	0.0	0.0
	18.00000	-26.50000	112.00000	-3.4059	111.75	0.0	0.0	0.0
	19.00000	-26.50000	112.00000	-1.8224	111.75	0.0	0.0	0.0
	20.00000	-26.50000	112.00000	-1.2294	111.75	0.0	0.0	0.0
	21.00000	-26.50000	112.00000	-0.90011	111.75	0.0	0.0	0.0
	22.00000	-26.50000	112.00000	-0.68367	111.75	0.0	0.0	0.0
	23.00000	-26.50000	112.00000	-0.53092	111.75	0.0	0.0	0.0
	24.00000	-26.50000	112.00000	-0.41850	111.75	0.0	0.0	0.0
	25.00000	-26.50000	112.00000	-0.33337	111.75	0.0	0.0	0.0
	26.00000	-26.50000	112.00000	-0.26753	111.75	0.0	0.0	0.0
	27.00000	-26.50000	112.00000	-0.21575	111.75	0.0	0.0	0.0
	28.00000	-26.50000	112.00000	-0.17447	111.75	0.0	0.0	0.0
	29.00000	-26.50000	112.00000	-0.14119	111.75	0.0	0.0	0.0
	30.00000	-26.50000	112.00000	-0.11410	111.75	0.0	0.0	0.0
	31.00000	-26.50000	112.00000	-0.091862	111.75	0.0	0.0	0.0
	32.00000	-26.50000	112.00000	-0.073486	111.75	0.0	0.0	0.0
	33.00000	-26.50000	112.00000	-0.058211	111.75	0.0	0.0	0.0
	34.00000	-26.50000	112.00000	-0.045448	111.75	0.0	0.0	0.0
	35.00000	-26.50000	112.00000	-0.034742	111.75	0.0	0.0	0.0
	36.00000	-26.50000	112.00000	-0.025730	111.75	0.0	0.0	0.0
	37.00000	-26.50000	112.00000	-0.018124	111.75	0.0	0.0	0.0
	38.00000	-26.50000	112.00000	-0.011692	111.75	0.0	0.0	0.0
	39.00000	-26.50000	112.00000	-0.0062460	111.75	0.0	0.0	0.0
	40.00000	-26.50000	112.00000	-0.0016323	111.75	0.0	0.0	0.0
	41.00000	-26.50000	112.00000	0.0022760	111.75	0.0	0.0	0.0
	42.00000	-26.50000	112.00000	0.0055840	111.75	0.0	0.0	0.0
	43.00000	-26.50000	112.00000	0.0083792	111.75	0.0	0.0	0.0
	44.00000	-26.50000	112.00000	0.010735	111.75	0.0	0.0	0.0
	45.00000	-26.50000	112.00000	0.012714	111.75	0.0	0.0	0.0
	46.00000	-26.50000	112.00000	0.014368	111.75	0.0	0.0	0.0
	47.00000	-26.50000	112.00000	0.015741	111.75	0.0	0.0	0.0
	48.00000	-26.50000	112.00000	0.016873	111.75	0.0	0.0	0.0
	49.00000	-26.50000	112.00000	0.017795	111.75	0.0	0.0	0.0
	50.00000	-26.50000	112.00000	0.018536	111.75	0.0	0.0	0.0
Grid 9	-20.00000	-50.00000	112.00000	0.014885	111.75	0.0	0.0	0.0
	-19.00000	-50.00000	112.00000	0.013725	111.75	0.0	0.0	0.0
	-18.00000	-50.00000	112.00000	0.012414	111.75	0.0	0.0	0.0
	-17.00000	-50.00000	112.00000	0.010943	111.75	0.0	0.0	0.0
	-16.00000	-50.00000	112.00000	0.0093019	111.75	0.0	0.0	0.0
	-15.00000	-50.00000	112.00000	0.0074834	111.75	0.0	0.0	0.0
	-14.00000	-50.00000	112.00000	0.0054798	111.75	0.0	0.0	0.0
	-13.00000	-50.00000	112.00000	0.0032854	111.75	0.0	0.0	0.0
	-12.00000	-50.00000	112.00000	896.21E-6	111.75	0.0	0.0	0.0
	-11.00000	-50.00000	112.00000	-0.0016890	111.75	0.0	0.0	0.0
	-10.00000	-50.00000	112.00000	-0.0044682	111.75	0.0	0.0	0.0
	-9.00000	-50.00000	112.00000	-0.0074358	111.75	0.0	0.0	0.0
	-8.00000	-50.00000	112.00000	-0.010581	111.75	0.0	0.0	0.0
	-7.00000	-50.00000	112.00000	-0.013888	111.75	0.0	0.0	0.0
	-6.00000	-50.00000	112.00000	-0.017336	111.75	0.0	0.0	0.0
	-5.00000	-50.00000	112.00000	-0.020894	111.75	0.0	0.0	0.0
	-4.00000	-50.00000	112.00000	-0.024527	111.75	0.0	0.0	0.0
	-3.00000	-50.00000	112.00000	-0.028192	111.75	0.0	0.0	0.0
	-2.00000	-50.00000	112.00000	-0.031839	111.75	0.0	0.0	0.0
	-1.00000	-50.00000	112.00000	-0.035409	111.75	0.0	0.0	0.0
	0.00000	-50.00000	112.00000	-0.038841	111.75	0.0	0.0	0.0
	1.00000	-50.00000	112.00000	-0.042070	111.75	0.0	0.0	0.0
	2.00000	-50.00000	112.00000	-0.045028	111.75	0.0	0.0	0.0
	3.00000	-50.00000	112.00000	-0.047650	111.75	0.0	0.0	0.0
	4.00000	-50.00000	112.00000	-0.049877	111.75	0.0	0.0	0.0
	5.00000	-50.00000	112.00000	-0.051656	111.75	0.0	0.0	0.0
	6.00000	-50.00000	112.00000	-0.052947	111.75	0.0	0.0	0.0
	7.00000	-50.00000	112.00000	-0.053720	111.75	0.0	0.0	0.0
	8.00000	-50.00000	112.00000	-0.053962	111.75	0.0	0.0	0.0
	9.00000	-50.00000	112.00000	-0.053672	111.75	0.0	0.0	0.0
	10.00000	-50.00000	112.00000	-0.052865	111.75	0.0	0.0	0.0
	11.00000	-50.00000	112.00000	-0.051568	111.75	0.0	0.0	0.0
	12.00000	-50.00000	112.00000	-0.049819	111.75	0.0	0.0	0.0
	13.00000	-50.00000	112.00000	-0.047664	111.75	0.0	0.0	0.0
	14.00000	-50.00000	112.00000	-0.045156	111.75	0.0	0.0	0.0
	15.00000	-50.00000	112.00000	-0.042349	111.75	0.0	0.0	0.0
	16.00000	-50.00000	112.00000	-0.039302	111.75	0.0	0.0	0.0
	17.00000	-50.00000	112.00000	-0.036071	111.75	0.0	0.0	0.0
	18.00000	-50.00000	112.00000	-0.032710	111.75	0.0	0.0	0.0
	19.00000	-50.00000	112.00000	-0.029272	111.75	0.0	0.0	0.0
	20.00000	-50.00000	112.00000	-0.025804	111.75	0.0	0.0	0.0
	21.00000	-50.00000	112.00000	-0.022347	111.75	0.0	0.0	0.0
	22.00000	-50.00000	112.00000	-0.018939	111.75	0.0	0.0	0.0
	23.00000	-50.00000	112.00000	-0.015612	111.75	0.0	0.0	0.0
	24.00000	-50.00000	112.00000	-0.012393	111.75	0.0	0.0	0.0
	25.00000	-50.00000	112.00000	-0.0093037	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	26.00000	-50.00000	112.00000	-0.0063604	111.75	0.0	0.0	0.0
	27.00000	-50.00000	112.00000	-0.0035762	111.75	0.0	0.0	0.0
	28.00000	-50.00000	112.00000	-959.84E-6	111.75	0.0	0.0	0.0
	29.00000	-50.00000	112.00000	0.0014835	111.75	0.0	0.0	0.0
	30.00000	-50.00000	112.00000	0.0037514	111.75	0.0	0.0	0.0
	31.00000	-50.00000	112.00000	0.0058441	111.75	0.0	0.0	0.0
	32.00000	-50.00000	112.00000	0.0077641	111.75	0.0	0.0	0.0
	33.00000	-50.00000	112.00000	0.0095153	111.75	0.0	0.0	0.0
	34.00000	-50.00000	112.00000	0.011103	111.75	0.0	0.0	0.0
	35.00000	-50.00000	112.00000	0.012535	111.75	0.0	0.0	0.0
	36.00000	-50.00000	112.00000	0.013816	111.75	0.0	0.0	0.0
	37.00000	-50.00000	112.00000	0.014957	111.75	0.0	0.0	0.0
	38.00000	-50.00000	112.00000	0.015963	111.75	0.0	0.0	0.0
	39.00000	-50.00000	112.00000	0.016845	111.75	0.0	0.0	0.0
	40.00000	-50.00000	112.00000	0.017609	111.75	0.0	0.0	0.0
	41.00000	-50.00000	112.00000	0.018265	111.75	0.0	0.0	0.0
	42.00000	-50.00000	112.00000	0.018821	111.75	0.0	0.0	0.0
	43.00000	-50.00000	112.00000	0.019283	111.75	0.0	0.0	0.0
	44.00000	-50.00000	112.00000	0.019661	111.75	0.0	0.0	0.0
	45.00000	-50.00000	112.00000	0.019959	111.75	0.0	0.0	0.0
	46.00000	-50.00000	112.00000	0.020187	111.75	0.0	0.0	0.0
	47.00000	-50.00000	112.00000	0.020349	111.75	0.0	0.0	0.0
	48.00000	-50.00000	112.00000	0.020453	111.75	0.0	0.0	0.0
	49.00000	-50.00000	112.00000	0.020503	111.75	0.0	0.0	0.0
	50.00000	-50.00000	112.00000	0.020505	111.75	0.0	0.0	0.0
	-20.00000	-48.96667	112.00000	0.013902	111.75	0.0	0.0	0.0
	-19.00000	-48.96667	112.00000	0.012569	111.75	0.0	0.0	0.0
	-18.00000	-48.96667	112.00000	0.011062	111.75	0.0	0.0	0.0
	-17.00000	-48.96667	112.00000	0.0093687	111.75	0.0	0.0	0.0
	-16.00000	-48.96667	112.00000	0.0074777	111.75	0.0	0.0	0.0
	-15.00000	-48.96667	112.00000	0.0053776	111.75	0.0	0.0	0.0
	-14.00000	-48.96667	112.00000	0.0030580	111.75	0.0	0.0	0.0
	-13.00000	-48.96667	112.00000	510.10E-6	111.75	0.0	0.0	0.0
	-12.00000	-48.96667	112.00000	-0.0022729	111.75	0.0	0.0	0.0
	-11.00000	-48.96667	112.00000	-0.0052950	111.75	0.0	0.0	0.0
	-10.00000	-48.96667	112.00000	-0.0085567	111.75	0.0	0.0	0.0
	-9.00000	-48.96667	112.00000	-0.012054	111.75	0.0	0.0	0.0
	-8.00000	-48.96667	112.00000	-0.015777	111.75	0.0	0.0	0.0
	-7.00000	-48.96667	112.00000	-0.019711	111.75	0.0	0.0	0.0
	-6.00000	-48.96667	112.00000	-0.023830	111.75	0.0	0.0	0.0
	-5.00000	-48.96667	112.00000	-0.028103	111.75	0.0	0.0	0.0
	-4.00000	-48.96667	112.00000	-0.032489	111.75	0.0	0.0	0.0
	-3.00000	-48.96667	112.00000	-0.036934	111.75	0.0	0.0	0.0
	-2.00000	-48.96667	112.00000	-0.041378	111.75	0.0	0.0	0.0
	-1.00000	-48.96667	112.00000	-0.045749	111.75	0.0	0.0	0.0
	0.00000	-48.96667	112.00000	-0.049968	111.75	0.0	0.0	0.0
	1.00000	-48.96667	112.00000	-0.053951	111.75	0.0	0.0	0.0
	2.00000	-48.96667	112.00000	-0.057611	111.75	0.0	0.0	0.0
	3.00000	-48.96667	112.00000	-0.060862	111.75	0.0	0.0	0.0
	4.00000	-48.96667	112.00000	-0.063626	111.75	0.0	0.0	0.0
	5.00000	-48.96667	112.00000	-0.065832	111.75	0.0	0.0	0.0
	6.00000	-48.96667	112.00000	-0.067426	111.75	0.0	0.0	0.0
	7.00000	-48.96667	112.00000	-0.068371	111.75	0.0	0.0	0.0
	8.00000	-48.96667	112.00000	-0.068649	111.75	0.0	0.0	0.0
	9.00000	-48.96667	112.00000	-0.068262	111.75	0.0	0.0	0.0
	10.00000	-48.96667	112.00000	-0.067231	111.75	0.0	0.0	0.0
	11.00000	-48.96667	112.00000	-0.065592	111.75	0.0	0.0	0.0
	12.00000	-48.96667	112.00000	-0.063398	111.75	0.0	0.0	0.0
	13.00000	-48.96667	112.00000	-0.060710	111.75	0.0	0.0	0.0
	14.00000	-48.96667	112.00000	-0.057596	111.75	0.0	0.0	0.0
	15.00000	-48.96667	112.00000	-0.054131	111.75	0.0	0.0	0.0
	16.00000	-48.96667	112.00000	-0.050386	111.75	0.0	0.0	0.0
	17.00000	-48.96667	112.00000	-0.046434	111.75	0.0	0.0	0.0
	18.00000	-48.96667	112.00000	-0.042342	111.75	0.0	0.0	0.0
	19.00000	-48.96667	112.00000	-0.038176	111.75	0.0	0.0	0.0
	20.00000	-48.96667	112.00000	-0.033990	111.75	0.0	0.0	0.0
	21.00000	-48.96667	112.00000	-0.029837	111.75	0.0	0.0	0.0
	22.00000	-48.96667	112.00000	-0.025760	111.75	0.0	0.0	0.0
	23.00000	-48.96667	112.00000	-0.021796	111.75	0.0	0.0	0.0
	24.00000	-48.96667	112.00000	-0.017975	111.75	0.0	0.0	0.0
	25.00000	-48.96667	112.00000	-0.014321	111.75	0.0	0.0	0.0
	26.00000	-48.96667	112.00000	-0.010854	111.75	0.0	0.0	0.0
	27.00000	-48.96667	112.00000	-0.0075846	111.75	0.0	0.0	0.0
	28.00000	-48.96667	112.00000	-0.0045223	111.75	0.0	0.0	0.0
	29.00000	-48.96667	112.00000	-0.0016713	111.75	0.0	0.0	0.0
	30.00000	-48.96667	112.00000	967.85E-6	111.75	0.0	0.0	0.0
	31.00000	-48.96667	112.00000	0.0033971	111.75	0.0	0.0	0.0
	32.00000	-48.96667	112.00000	0.0056209	111.75	0.0	0.0	0.0
	33.00000	-48.96667	112.00000	0.0076455	111.75	0.0	0.0	0.0
	34.00000	-48.96667	112.00000	0.0094786	111.75	0.0	0.0	0.0
	35.00000	-48.96667	112.00000	0.011129	111.75	0.0	0.0	0.0
	36.00000	-48.96667	112.00000	0.012606	111.75	0.0	0.0	0.0
	37.00000	-48.96667	112.00000	0.013920	111.75	0.0	0.0	0.0
	38.00000	-48.96667	112.00000	0.015081	111.75	0.0	0.0	0.0
	39.00000	-48.96667	112.00000	0.016099	111.75	0.0	0.0	0.0
	40.00000	-48.96667	112.00000	0.016984	111.75	0.0	0.0	0.0
	41.00000	-48.96667	112.00000	0.017746	111.75	0.0	0.0	0.0
	42.00000	-48.96667	112.00000	0.018394	111.75	0.0	0.0	0.0
	43.00000	-48.96667	112.00000	0.018938	111.75	0.0	0.0	0.0
	44.00000	-48.96667	112.00000	0.019387	111.75	0.0	0.0	0.0
	45.00000	-48.96667	112.00000	0.019748	111.75	0.0	0.0	0.0
	46.00000	-48.96667	112.00000	0.020029	111.75	0.0	0.0	0.0
	47.00000	-48.96667	112.00000	0.020239	111.75	0.0	0.0	0.0
	48.00000	-48.96667	112.00000	0.020383	111.75	0.0	0.0	0.0
	49.00000	-48.96667	112.00000	0.020468	111.75	0.0	0.0	0.0
	50.00000	-48.96667	112.00000	0.020500	111.75	0.0	0.0	0.0
	-20.00000	-47.93333	112.00000	0.012828	111.75	0.0	0.0	0.0
	-19.00000	-47.93333	112.00000	0.011306	111.75	0.0	0.0	0.0
	-18.00000	-47.93333	112.00000	0.0095828	111.75	0.0	0.0	0.0
	-17.00000	-47.93333	112.00000	0.0076444	111.75	0.0	0.0	0.0
	-16.00000	-47.93333	112.00000	0.0054752	111.75	0.0	0.0	0.0
	-15.00000	-47.93333	112.00000	0.0030601	111.75	0.0	0.0	0.0
	-14.00000	-47.93333	112.00000	385.01E-6	111.75	0.0	0.0	0.0
	-13.00000	-47.93333	112.00000	-0.0025630	111.75	0.0	0.0	0.0
	-12.00000	-47.93333	112.00000	-0.0057948	111.75	0.0	0.0	0.0
	-11.00000	-47.93333	112.00000	-0.0093185	111.75	0.0	0.0	0.0
	-10.00000	-47.93333	112.00000	-0.013138	111.75	0.0	0.0	0.0
	-9.00000	-47.93333	112.00000	-0.017253	111.75	0.0	0.0	0.0
	-8.00000	-47.93333	112.00000	-0.021655	111.75	0.0	0.0	0.0
	-7.00000	-47.93333	112.00000	-0.026330	111.75	0.0	0.0	0.0
	-6.00000	-47.93333	112.00000	-0.031253	111.75	0.0	0.0	0.0
	-5.00000	-47.93333	112.00000	-0.036389	111.75	0.0	0.0	0.0
	-4.00000	-47.93333	112.00000	-0.041688	111.75	0.0	0.0	0.0
	-3.00000	-47.93333	112.00000	-0.047091	111.75	0.0	0.0	0.0
	-2.00000	-47.93333	112.00000	-0.052521	111.75	0.0	0.0	0.0
	-1.00000	-47.93333	112.00000	-0.057890	111.75	0.0	0.0	0.0
	0.00000	-47.93333	112.00000	-0.063099	111.75	0.0	0.0	0.0
	1.00000	-47.93333	112.00000	-0.068036	111.75	0.0	0.0	0.0
	2.00000	-47.93333	112.00000	-0.072588	111.75	0.0	0.0	0.0
	3.00000	-47.93333	112.00000	-0.076642	111.75	0.0	0.0	0.0
	4.00000	-47.93333	112.00000	-0.080090	111.75	0.0	0.0	0.0
	5.00000	-47.93333	112.00000	-0.082841	111.75	0.0	0.0	0.0
	6.00000	-47.93333	112.00000	-0.084820	111.75	0.0	0.0	0.0
	7.00000	-47.93333	112.00000	-0.085978	111.75	0.0	0.0	0.0
	8.00000	-47.93333	112.00000	-0.086293	111.75	0.0	0.0	0.0
	9.00000	-47.93333	112.00000	-0.085769	111.75	0.0	0.0	0.0
	10.00000	-47.93333	112.00000	-0.084438	111.75	0.0	0.0	0.0
	11.00000	-47.93333	112.00000	-0.082351	111.75	0.0	0.0	0.0
	12.00000	-47.93333	112.00000	-0.079579	111.75	0.0	0.0	0.0
	13.00000	-47.93333	112.00000	-0.076207	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
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Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	14.00000	-47.93333	112.00000	-0.072324	111.75	0.0	0.0	0.0
	15.00000	-47.93333	112.00000	-0.068027	111.75	0.0	0.0	0.0
	16.00000	-47.93333	112.00000	-0.063408	111.75	0.0	0.0	0.0
	17.00000	-47.93333	112.00000	-0.058560	111.75	0.0	0.0	0.0
	18.00000	-47.93333	112.00000	-0.053567	111.75	0.0	0.0	0.0
	19.00000	-47.93333	112.00000	-0.048507	111.75	0.0	0.0	0.0
	20.00000	-47.93333	112.00000	-0.043450	111.75	0.0	0.0	0.0
	21.00000	-47.93333	112.00000	-0.038456	111.75	0.0	0.0	0.0
	22.00000	-47.93333	112.00000	-0.033575	111.75	0.0	0.0	0.0
	23.00000	-47.93333	112.00000	-0.028852	111.75	0.0	0.0	0.0
	24.00000	-47.93333	112.00000	-0.024319	111.75	0.0	0.0	0.0
	25.00000	-47.93333	112.00000	-0.020002	111.75	0.0	0.0	0.0
	26.00000	-47.93333	112.00000	-0.015921	111.75	0.0	0.0	0.0
	27.00000	-47.93333	112.00000	-0.012089	111.75	0.0	0.0	0.0
	28.00000	-47.93333	112.00000	-0.0085118	111.75	0.0	0.0	0.0
	29.00000	-47.93333	112.00000	-0.0051927	111.75	0.0	0.0	0.0
	30.00000	-47.93333	112.00000	-0.0021299	111.75	0.0	0.0	0.0
	31.00000	-47.93333	112.00000	681.25E-6	111.75	0.0	0.0	0.0
	32.00000	-47.93333	112.00000	0.0032480	111.75	0.0	0.0	0.0
	33.00000	-47.93333	112.00000	0.0055796	111.75	0.0	0.0	0.0
	34.00000	-47.93333	112.00000	0.0076867	111.75	0.0	0.0	0.0
	35.00000	-47.93333	112.00000	0.0095808	111.75	0.0	0.0	0.0
	36.00000	-47.93333	112.00000	0.011274	111.75	0.0	0.0	0.0
	37.00000	-47.93333	112.00000	0.012780	111.75	0.0	0.0	0.0
	38.00000	-47.93333	112.00000	0.014110	111.75	0.0	0.0	0.0
	39.00000	-47.93333	112.00000	0.015277	111.75	0.0	0.0	0.0
	40.00000	-47.93333	112.00000	0.016293	111.75	0.0	0.0	0.0
	41.00000	-47.93333	112.00000	0.017170	111.75	0.0	0.0	0.0
	42.00000	-47.93333	112.00000	0.017919	111.75	0.0	0.0	0.0
	43.00000	-47.93333	112.00000	0.018551	111.75	0.0	0.0	0.0
	44.00000	-47.93333	112.00000	0.019077	111.75	0.0	0.0	0.0
	45.00000	-47.93333	112.00000	0.019505	111.75	0.0	0.0	0.0
	46.00000	-47.93333	112.00000	0.019844	111.75	0.0	0.0	0.0
	47.00000	-47.93333	112.00000	0.020104	111.75	0.0	0.0	0.0
	48.00000	-47.93333	112.00000	0.020291	111.75	0.0	0.0	0.0
	49.00000	-47.93333	112.00000	0.020414	111.75	0.0	0.0	0.0
	50.00000	-47.93333	112.00000	0.020478	111.75	0.0	0.0	0.0
	-20.00000	-46.90000	112.00000	0.011465	111.75	0.0	0.0	0.0
	-19.00000	-46.90000	112.00000	0.0099359	111.75	0.0	0.0	0.0
	-18.00000	-46.90000	112.00000	0.0079768	111.75	0.0	0.0	0.0
	-17.00000	-46.90000	112.00000	0.0057684	111.75	0.0	0.0	0.0
	-16.00000	-46.90000	112.00000	0.0032912	111.75	0.0	0.0	0.0
	-15.00000	-46.90000	112.00000	525.56E-6	111.75	0.0	0.0	0.0
	-14.00000	-46.90000	112.00000	-0.0025478	111.75	0.0	0.0	0.0
	-13.00000	-46.90000	112.00000	-0.0059472	111.75	0.0	0.0	0.0
	-12.00000	-46.90000	112.00000	-0.0096889	111.75	0.0	0.0	0.0
	-11.00000	-46.90000	112.00000	-0.013787	111.75	0.0	0.0	0.0
	-10.00000	-46.90000	112.00000	-0.018250	111.75	0.0	0.0	0.0
	-9.00000	-46.90000	112.00000	-0.023083	111.75	0.0	0.0	0.0
	-8.00000	-46.90000	112.00000	-0.028283	111.75	0.0	0.0	0.0
	-7.00000	-46.90000	112.00000	-0.033837	111.75	0.0	0.0	0.0
	-6.00000	-46.90000	112.00000	-0.039721	111.75	0.0	0.0	0.0
	-5.00000	-46.90000	112.00000	-0.045897	111.75	0.0	0.0	0.0
	-4.00000	-46.90000	112.00000	-0.052312	111.75	0.0	0.0	0.0
	-3.00000	-46.90000	112.00000	-0.058893	111.75	0.0	0.0	0.0
	-2.00000	-46.90000	112.00000	-0.065550	111.75	0.0	0.0	0.0
	-1.00000	-46.90000	112.00000	-0.072173	111.75	0.0	0.0	0.0
	0.00000	-46.90000	112.00000	-0.078632	111.75	0.0	0.0	0.0
	1.00000	-46.90000	112.00000	-0.084786	111.75	0.0	0.0	0.0
	2.00000	-46.90000	112.00000	-0.090483	111.75	0.0	0.0	0.0
	3.00000	-46.90000	112.00000	-0.095570	111.75	0.0	0.0	0.0
	4.00000	-46.90000	112.00000	-0.099903	111.75	0.0	0.0	0.0
	5.00000	-46.90000	112.00000	-0.10335	111.75	0.0	0.0	0.0
	6.00000	-46.90000	112.00000	-0.10582	111.75	0.0	0.0	0.0
	7.00000	-46.90000	112.00000	-0.10725	111.75	0.0	0.0	0.0
	8.00000	-46.90000	112.00000	-0.10759	111.75	0.0	0.0	0.0
	9.00000	-46.90000	112.00000	-0.10688	111.75	0.0	0.0	0.0
	10.00000	-46.90000	112.00000	-0.10514	111.75	0.0	0.0	0.0
	11.00000	-46.90000	112.00000	-0.10246	111.75	0.0	0.0	0.0
	12.00000	-46.90000	112.00000	-0.098933	111.75	0.0	0.0	0.0
	13.00000	-46.90000	112.00000	-0.094674	111.75	0.0	0.0	0.0
	14.00000	-46.90000	112.00000	-0.089806	111.75	0.0	0.0	0.0
	15.00000	-46.90000	112.00000	-0.084451	111.75	0.0	0.0	0.0
	16.00000	-46.90000	112.00000	-0.078733	111.75	0.0	0.0	0.0
	17.00000	-46.90000	112.00000	-0.072766	111.75	0.0	0.0	0.0
	18.00000	-46.90000	112.00000	-0.066656	111.75	0.0	0.0	0.0
	19.00000	-46.90000	112.00000	-0.060499	111.75	0.0	0.0	0.0
	20.00000	-46.90000	112.00000	-0.054379	111.75	0.0	0.0	0.0
	21.00000	-46.90000	112.00000	-0.048366	111.75	0.0	0.0	0.0
	22.00000	-46.90000	112.00000	-0.042521	111.75	0.0	0.0	0.0
	23.00000	-46.90000	112.00000	-0.036891	111.75	0.0	0.0	0.0
	24.00000	-46.90000	112.00000	-0.031514	111.75	0.0	0.0	0.0
	25.00000	-46.90000	112.00000	-0.026417	111.75	0.0	0.0	0.0
	26.00000	-46.90000	112.00000	-0.021620	111.75	0.0	0.0	0.0
	27.00000	-46.90000	112.00000	-0.017133	111.75	0.0	0.0	0.0
	28.00000	-46.90000	112.00000	-0.012963	111.75	0.0	0.0	0.0
	29.00000	-46.90000	112.00000	-0.0091070	111.75	0.0	0.0	0.0
	30.00000	-46.90000	112.00000	-0.0055616	111.75	0.0	0.0	0.0
	31.00000	-46.90000	112.00000	-0.0023180	111.75	0.0	0.0	0.0
	32.00000	-46.90000	112.00000	635.00E-6	111.75	0.0	0.0	0.0
	33.00000	-46.90000	112.00000	0.0033103	111.75	0.0	0.0	0.0
	34.00000	-46.90000	112.00000	0.0057225	111.75	0.0	0.0	0.0
	35.00000	-46.90000	112.00000	0.0078868	111.75	0.0	0.0	0.0
	36.00000	-46.90000	112.00000	0.0098189	111.75	0.0	0.0	0.0
	37.00000	-46.90000	112.00000	0.011535	111.75	0.0	0.0	0.0
	38.00000	-46.90000	112.00000	0.013049	111.75	0.0	0.0	0.0
	39.00000	-46.90000	112.00000	0.014379	111.75	0.0	0.0	0.0
	40.00000	-46.90000	112.00000	0.015537	111.75	0.0	0.0	0.0
	41.00000	-46.90000	112.00000	0.016539	111.75	0.0	0.0	0.0
	42.00000	-46.90000	112.00000	0.017396	111.75	0.0	0.0	0.0
	43.00000	-46.90000	112.00000	0.018123	111.75	0.0	0.0	0.0
	44.00000	-46.90000	112.00000	0.018731	111.75	0.0	0.0	0.0
	45.00000	-46.90000	112.00000	0.019231	111.75	0.0	0.0	0.0
	46.00000	-46.90000	112.00000	0.019632	111.75	0.0	0.0	0.0
	47.00000	-46.90000	112.00000	0.019946	111.75	0.0	0.0	0.0
	48.00000	-46.90000	112.00000	0.020179	111.75	0.0	0.0	0.0
	49.00000	-46.90000	112.00000	0.020341	111.75	0.0	0.0	0.0
	50.00000	-46.90000	112.00000	0.020439	111.75	0.0	0.0	0.0
	-20.00000	-45.86667	112.00000	0.010415	111.75	0.0	0.0	0.0
	-19.00000	-45.86667	112.00000	0.0084623	111.75	0.0	0.0	0.0
	-18.00000	-45.86667	112.00000	0.0062459	111.75	0.0	0.0	0.0
	-17.00000	-45.86667	112.00000	0.0037420	111.75	0.0	0.0	0.0
	-16.00000	-45.86667	112.00000	925.63E-6	111.75	0.0	0.0	0.0
	-15.00000	-45.86667	112.00000	-0.0022286	111.75	0.0	0.0	0.0
	-14.00000	-45.86667	112.00000	-0.0057462	111.75	0.0	0.0	0.0
	-13.00000	-45.86667	112.00000	-0.0096526	111.75	0.0	0.0	0.0
	-12.00000	-45.86667	112.00000	-0.013972	111.75	0.0	0.0	0.0
	-11.00000	-45.86667	112.00000	-0.018724	111.75	0.0	0.0	0.0
	-10.00000	-45.86667	112.00000	-0.023929	111.75	0.0	0.0	0.0
	-9.00000	-45.86667	112.00000	-0.029596	111.75	0.0	0.0	0.0
	-8.00000	-45.86667	112.00000	-0.035731	111.75	0.0	0.0	0.0
	-7.00000	-45.86667	112.00000	-0.042325	111.75	0.0	0.0	0.0
	-6.00000	-45.86667	112.00000	-0.049359	111.75	0.0	0.0	0.0
	-5.00000	-45.86667	112.00000	-0.056794	111.75	0.0	0.0	0.0
	-4.00000	-45.86667	112.00000	-0.064572	111.75	0.0	0.0	0.0
	-3.00000	-45.86667	112.00000	-0.072610	111.75	0.0	0.0	0.0
	-2.00000	-45.86667	112.00000	-0.080800	111.75	0.0	0.0	0.0
	-1.00000	-45.86667	112.00000	-0.089005	111.75	0.0	0.0	0.0
	0.00000	-45.86667	112.00000	-0.097061	111.75	0.0	0.0	0.0
	1.00000	-45.86667	112.00000	-0.10478	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	2.00000	-45.86667	112.00000	-0.11196	111.75	0.0	0.0	0.0
	3.00000	-45.86667	112.00000	-0.11840	111.75	0.0	0.0	0.0
	4.00000	-45.86667	112.00000	-0.12388	111.75	0.0	0.0	0.0
	5.00000	-45.86667	112.00000	-0.12825	111.75	0.0	0.0	0.0
	6.00000	-45.86667	112.00000	-0.13135	111.75	0.0	0.0	0.0
	7.00000	-45.86667	112.00000	-0.13310	111.75	0.0	0.0	0.0
	8.00000	-45.86667	112.00000	-0.13347	111.75	0.0	0.0	0.0
	9.00000	-45.86667	112.00000	-0.13247	111.75	0.0	0.0	0.0
	10.00000	-45.86667	112.00000	-0.13018	111.75	0.0	0.0	0.0
	11.00000	-45.86667	112.00000	-0.12670	111.75	0.0	0.0	0.0
	12.00000	-45.86667	112.00000	-0.12218	111.75	0.0	0.0	0.0
	13.00000	-45.86667	112.00000	-0.11676	111.75	0.0	0.0	0.0
	14.00000	-45.86667	112.00000	-0.11062	111.75	0.0	0.0	0.0
	15.00000	-45.86667	112.00000	-0.10391	111.75	0.0	0.0	0.0
	16.00000	-45.86667	112.00000	-0.096802	111.75	0.0	0.0	0.0
	17.00000	-45.86667	112.00000	-0.089431	111.75	0.0	0.0	0.0
	18.00000	-45.86667	112.00000	-0.081933	111.75	0.0	0.0	0.0
	19.00000	-45.86667	112.00000	-0.074424	111.75	0.0	0.0	0.0
	20.00000	-45.86667	112.00000	-0.067003	111.75	0.0	0.0	0.0
	21.00000	-45.86667	112.00000	-0.059755	111.75	0.0	0.0	0.0
	22.00000	-45.86667	112.00000	-0.052748	111.75	0.0	0.0	0.0
	23.00000	-45.86667	112.00000	-0.046036	111.75	0.0	0.0	0.0
	24.00000	-45.86667	112.00000	-0.039658	111.75	0.0	0.0	0.0
	25.00000	-45.86667	112.00000	-0.033643	111.75	0.0	0.0	0.0
	26.00000	-45.86667	112.00000	-0.028009	111.75	0.0	0.0	0.0
	27.00000	-45.86667	112.00000	-0.022764	111.75	0.0	0.0	0.0
	28.00000	-45.86667	112.00000	-0.017909	111.75	0.0	0.0	0.0
	29.00000	-45.86667	112.00000	-0.013440	111.75	0.0	0.0	0.0
	30.00000	-45.86667	112.00000	-0.0093457	111.75	0.0	0.0	0.0
	31.00000	-45.86667	112.00000	-0.0056135	111.75	0.0	0.0	0.0
	32.00000	-45.86667	112.00000	-0.0022270	111.75	0.0	0.0	0.0
	33.00000	-45.86667	112.00000	832.06E-6	111.75	0.0	0.0	0.0
	34.00000	-45.86667	112.00000	0.0035829	111.75	0.0	0.0	0.0
	35.00000	-45.86667	112.00000	0.0060455	111.75	0.0	0.0	0.0
	36.00000	-45.86667	112.00000	0.0082397	111.75	0.0	0.0	0.0
	37.00000	-45.86667	112.00000	0.010185	111.75	0.0	0.0	0.0
	38.00000	-45.86667	112.00000	0.011901	111.75	0.0	0.0	0.0
	39.00000	-45.86667	112.00000	0.013407	111.75	0.0	0.0	0.0
	40.00000	-45.86667	112.00000	0.014719	111.75	0.0	0.0	0.0
	41.00000	-45.86667	112.00000	0.015854	111.75	0.0	0.0	0.0
	42.00000	-45.86667	112.00000	0.016828	111.75	0.0	0.0	0.0
	43.00000	-45.86667	112.00000	0.017656	111.75	0.0	0.0	0.0
	44.00000	-45.86667	112.00000	0.018352	111.75	0.0	0.0	0.0
	45.00000	-45.86667	112.00000	0.018928	111.75	0.0	0.0	0.0
	46.00000	-45.86667	112.00000	0.019395	111.75	0.0	0.0	0.0
	47.00000	-45.86667	112.00000	0.019765	111.75	0.0	0.0	0.0
	48.00000	-45.86667	112.00000	0.020047	111.75	0.0	0.0	0.0
	49.00000	-45.86667	112.00000	0.020251	111.75	0.0	0.0	0.0
	50.00000	-45.86667	112.00000	0.020385	111.75	0.0	0.0	0.0
	-20.00000	-44.83333	112.00000	0.0090832	111.75	0.0	0.0	0.0
	-19.00000	-44.83333	112.00000	0.0068896	111.75	0.0	0.0	0.0
	-18.00000	-44.83333	112.00000	0.0043946	111.75	0.0	0.0	0.0
	-17.00000	-44.83333	112.00000	0.0015689	111.75	0.0	0.0	0.0
	-16.00000	-44.83333	112.00000	-0.0016188	111.75	0.0	0.0	0.0
	-15.00000	-44.83333	112.00000	-0.0052012	111.75	0.0	0.0	0.0
	-14.00000	-44.83333	112.00000	-0.0092119	111.75	0.0	0.0	0.0
	-13.00000	-44.83333	112.00000	-0.013685	111.75	0.0	0.0	0.0
	-12.00000	-44.83333	112.00000	-0.018655	111.75	0.0	0.0	0.0
	-11.00000	-44.83333	112.00000	-0.024152	111.75	0.0	0.0	0.0
	-10.00000	-44.83333	112.00000	-0.030206	111.75	0.0	0.0	0.0
	-9.00000	-44.83333	112.00000	-0.036840	111.75	0.0	0.0	0.0
	-8.00000	-44.83333	112.00000	-0.044068	111.75	0.0	0.0	0.0
	-7.00000	-44.83333	112.00000	-0.051892	111.75	0.0	0.0	0.0
	-6.00000	-44.83333	112.00000	-0.060301	111.75	0.0	0.0	0.0
	-5.00000	-44.83333	112.00000	-0.069259	111.75	0.0	0.0	0.0
	-4.00000	-44.83333	112.00000	-0.078707	111.75	0.0	0.0	0.0
	-3.00000	-44.83333	112.00000	-0.088553	111.75	0.0	0.0	0.0
	-2.00000	-44.83333	112.00000	-0.098669	111.75	0.0	0.0	0.0
	-1.00000	-44.83333	112.00000	-0.10889	111.75	0.0	0.0	0.0
	0.00000	-44.83333	112.00000	-0.11900	111.75	0.0	0.0	0.0
	1.00000	-44.83333	112.00000	-0.12875	111.75	0.0	0.0	0.0
	2.00000	-44.83333	112.00000	-0.13788	111.75	0.0	0.0	0.0
	3.00000	-44.83333	112.00000	-0.14609	111.75	0.0	0.0	0.0
	4.00000	-44.83333	112.00000	-0.15310	111.75	0.0	0.0	0.0
	5.00000	-44.83333	112.00000	-0.15867	111.75	0.0	0.0	0.0
	6.00000	-44.83333	112.00000	-0.16260	111.75	0.0	0.0	0.0
	7.00000	-44.83333	112.00000	-0.16476	111.75	0.0	0.0	0.0
	8.00000	-44.83333	112.00000	-0.16512	111.75	0.0	0.0	0.0
	9.00000	-44.83333	112.00000	-0.16371	111.75	0.0	0.0	0.0
	10.00000	-44.83333	112.00000	-0.16065	111.75	0.0	0.0	0.0
	11.00000	-44.83333	112.00000	-0.15609	111.75	0.0	0.0	0.0
	12.00000	-44.83333	112.00000	-0.15023	111.75	0.0	0.0	0.0
	13.00000	-44.83333	112.00000	-0.14328	111.75	0.0	0.0	0.0
	14.00000	-44.83333	112.00000	-0.13548	111.75	0.0	0.0	0.0
	15.00000	-44.83333	112.00000	-0.12704	111.75	0.0	0.0	0.0
	16.00000	-44.83333	112.00000	-0.11815	111.75	0.0	0.0	0.0
	17.00000	-44.83333	112.00000	-0.10901	111.75	0.0	0.0	0.0
	18.00000	-44.83333	112.00000	-0.099783	111.75	0.0	0.0	0.0
	19.00000	-44.83333	112.00000	-0.090600	111.75	0.0	0.0	0.0
	20.00000	-44.83333	112.00000	-0.081586	111.75	0.0	0.0	0.0
	21.00000	-44.83333	112.00000	-0.072836	111.75	0.0	0.0	0.0
	22.00000	-44.83333	112.00000	-0.064429	111.75	0.0	0.0	0.0
	23.00000	-44.83333	112.00000	-0.056423	111.75	0.0	0.0	0.0
	24.00000	-44.83333	112.00000	-0.048858	111.75	0.0	0.0	0.0
	25.00000	-44.83333	112.00000	-0.041763	111.75	0.0	0.0	0.0
	26.00000	-44.83333	112.00000	-0.035151	111.75	0.0	0.0	0.0
	27.00000	-44.83333	112.00000	-0.029027	111.75	0.0	0.0	0.0
	28.00000	-44.83333	112.00000	-0.023385	111.75	0.0	0.0	0.0
	29.00000	-44.83333	112.00000	-0.018215	111.75	0.0	0.0	0.0
	30.00000	-44.83333	112.00000	-0.013499	111.75	0.0	0.0	0.0
	31.00000	-44.83333	112.00000	-0.0092162	111.75	0.0	0.0	0.0
	32.00000	-44.83333	112.00000	-0.0053444	111.75	0.0	0.0	0.0
	33.00000	-44.83333	112.00000	-0.0018586	111.75	0.0	0.0	0.0
	34.00000	-44.83333	112.00000	0.0012667	111.75	0.0	0.0	0.0
	35.00000	-44.83333	112.00000	0.0040571	111.75	0.0	0.0	0.0
	36.00000	-44.83333	112.00000	0.0065380	111.75	0.0	0.0	0.0
	37.00000	-44.83333	112.00000	0.0087337	111.75	0.0	0.0	0.0
	38.00000	-44.83333	112.00000	0.010668	111.75	0.0	0.0	0.0
	39.00000	-44.83333	112.00000	0.012363	111.75	0.0	0.0	0.0
	40.00000	-44.83333	112.00000	0.013840	111.75	0.0	0.0	0.0
	41.00000	-44.83333	112.00000	0.015118	111.75	0.0	0.0	0.0
	42.00000	-44.83333	112.00000	0.016217	111.75	0.0	0.0	0.0
	43.00000	-44.83333	112.00000	0.017153	111.75	0.0	0.0	0.0
	44.00000	-44.83333	112.00000	0.017941	111.75	0.0	0.0	0.0
	45.00000	-44.83333	112.00000	0.018597	111.75	0.0	0.0	0.0
	46.00000	-44.83333	112.00000	0.019134	111.75	0.0	0.0	0.0
	47.00000	-44.83333	112.00000	0.019563	111.75	0.0	0.0	0.0
	48.00000	-44.83333	112.00000	0.019897	111.75	0.0	0.0	0.0
	49.00000	-44.83333	112.00000	0.020144	111.75	0.0	0.0	0.0
	50.00000	-44.83333	112.00000	0.020316	111.75	0.0	0.0	0.0
	-20.00000	-43.80000	112.00000	0.0076760	111.75	0.0	0.0	0.0
	-19.00000	-43.80000	112.00000	0.0052247	111.75	0.0	0.0	0.0
	-18.00000	-43.80000	112.00000	0.0024302	111.75	0.0	0.0	0.0
	-17.00000	-43.80000	112.00000	-743.55E-6	111.75	0.0	0.0	0.0
	-16.00000	-43.80000	112.00000	-0.0043354	111.75	0.0	0.0	0.0
	-15.00000	-43.80000	112.00000	-0.0083868	111.75	0.0	0.0	0.0
	-14.00000	-43.80000	112.00000	-0.012942	111.75	0.0	0.0	0.0
	-13.00000	-43.80000	112.00000	-0.018045	111.75	0.0	0.0	0.0
	-12.00000	-43.80000	112.00000	-0.023744	111.75	0.0	0.0	0.0
	-11.00000	-43.80000	112.00000	-0.030083	111.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-10.00000	-43.80000	112.00000	-0.037108	111.75	0.0	0.0	0.0
	-9.00000	-43.80000	112.00000	-0.044856	111.75	0.0	0.0	0.0
	-8.00000	-43.80000	112.00000	-0.053359	111.75	0.0	0.0	0.0
	-7.00000	-43.80000	112.00000	-0.062636	111.75	0.0	0.0	0.0
	-6.00000	-43.80000	112.00000	-0.072687	111.75	0.0	0.0	0.0
	-5.00000	-43.80000	112.00000	-0.083489	111.75	0.0	0.0	0.0
	-4.00000	-43.80000	112.00000	-0.094986	111.75	0.0	0.0	0.0
	-3.00000	-43.80000	112.00000	-0.10708	111.75	0.0	0.0	0.0
	-2.00000	-43.80000	112.00000	-0.11963	111.75	0.0	0.0	0.0
	-1.00000	-43.80000	112.00000	-0.13242	111.75	0.0	0.0	0.0
	0.00000	-43.80000	112.00000	-0.14519	111.75	0.0	0.0	0.0
	1.00000	-43.80000	112.00000	-0.15763	111.75	0.0	0.0	0.0
	2.00000	-43.80000	112.00000	-0.16934	111.75	0.0	0.0	0.0
	3.00000	-43.80000	112.00000	-0.17993	111.75	0.0	0.0	0.0
	4.00000	-43.80000	112.00000	-0.18899	111.75	0.0	0.0	0.0
	5.00000	-43.80000	112.00000	-0.19617	111.75	0.0	0.0	0.0
	6.00000	-43.80000	112.00000	-0.20119	111.75	0.0	0.0	0.0
	7.00000	-43.80000	112.00000	-0.20387	111.75	0.0	0.0	0.0
	8.00000	-43.80000	112.00000	-0.20416	111.75	0.0	0.0	0.0
	9.00000	-43.80000	112.00000	-0.20214	111.75	0.0	0.0	0.0
	10.00000	-43.80000	112.00000	-0.19798	111.75	0.0	0.0	0.0
	11.00000	-43.80000	112.00000	-0.19192	111.75	0.0	0.0	0.0
	12.00000	-43.80000	112.00000	-0.18425	111.75	0.0	0.0	0.0
	13.00000	-43.80000	112.00000	-0.17528	111.75	0.0	0.0	0.0
	14.00000	-43.80000	112.00000	-0.16530	111.75	0.0	0.0	0.0
	15.00000	-43.80000	112.00000	-0.15460	111.75	0.0	0.0	0.0
	16.00000	-43.80000	112.00000	-0.14345	111.75	0.0	0.0	0.0
	17.00000	-43.80000	112.00000	-0.13207	111.75	0.0	0.0	0.0
	18.00000	-43.80000	112.00000	-0.12066	111.75	0.0	0.0	0.0
	19.00000	-43.80000	112.00000	-0.10941	111.75	0.0	0.0	0.0
	20.00000	-43.80000	112.00000	-0.098432	111.75	0.0	0.0	0.0
	21.00000	-43.80000	112.00000	-0.087854	111.75	0.0	0.0	0.0
	22.00000	-43.80000	112.00000	-0.077756	111.75	0.0	0.0	0.0
	23.00000	-43.80000	112.00000	-0.068201	111.75	0.0	0.0	0.0
	24.00000	-43.80000	112.00000	-0.059228	111.75	0.0	0.0	0.0
	25.00000	-43.80000	112.00000	-0.050862	111.75	0.0	0.0	0.0
	26.00000	-43.80000	112.00000	-0.043110	111.75	0.0	0.0	0.0
	27.00000	-43.80000	112.00000	-0.035968	111.75	0.0	0.0	0.0
	28.00000	-43.80000	112.00000	-0.029423	111.75	0.0	0.0	0.0
	29.00000	-43.80000	112.00000	-0.023453	111.75	0.0	0.0	0.0
	30.00000	-43.80000	112.00000	-0.018034	111.75	0.0	0.0	0.0
	31.00000	-43.80000	112.00000	-0.013133	111.75	0.0	0.0	0.0
	32.00000	-43.80000	112.00000	-0.0087206	111.75	0.0	0.0	0.0
	33.00000	-43.80000	112.00000	-0.0047621	111.75	0.0	0.0	0.0
	34.00000	-43.80000	112.00000	-0.0012246	111.75	0.0	0.0	0.0
	35.00000	-43.80000	112.00000	0.0019247	111.75	0.0	0.0	0.0
	36.00000	-43.80000	112.00000	0.0047174	111.75	0.0	0.0	0.0
	37.00000	-43.80000	112.00000	0.0071839	111.75	0.0	0.0	0.0
	38.00000	-43.80000	112.00000	0.0093529	111.75	0.0	0.0	0.0
	39.00000	-43.80000	112.00000	0.011251	111.75	0.0	0.0	0.0
	40.00000	-43.80000	112.00000	0.012904	111.75	0.0	0.0	0.0
	41.00000	-43.80000	112.00000	0.014335	111.75	0.0	0.0	0.0
	42.00000	-43.80000	112.00000	0.015565	111.75	0.0	0.0	0.0
	43.00000	-43.80000	112.00000	0.016614	111.75	0.0	0.0	0.0
	44.00000	-43.80000	112.00000	0.017501	111.75	0.0	0.0	0.0
	45.00000	-43.80000	112.00000	0.018241	111.75	0.0	0.0	0.0
	46.00000	-43.80000	112.00000	0.018850	111.75	0.0	0.0	0.0
	47.00000	-43.80000	112.00000	0.019342	111.75	0.0	0.0	0.0
	48.00000	-43.80000	112.00000	0.019729	111.75	0.0	0.0	0.0
	49.00000	-43.80000	112.00000	0.020022	111.75	0.0	0.0	0.0
	50.00000	-43.80000	112.00000	0.020233	111.75	0.0	0.0	0.0
	-20.00000	-42.76667	112.00000	0.0062023	111.75	0.0	0.0	0.0
	-19.00000	-42.76667	112.00000	0.0034772	111.75	0.0	0.0	0.0
	-18.00000	-42.76667	112.00000	362.98E-6	111.75	0.0	0.0	0.0
	-17.00000	-42.76667	112.00000	-0.0031844	111.75	0.0	0.0	0.0
	-16.00000	-42.76667	112.00000	-0.0072130	111.75	0.0	0.0	0.0
	-15.00000	-42.76667	112.00000	-0.011775	111.75	0.0	0.0	0.0
	-14.00000	-42.76667	112.00000	-0.016926	111.75	0.0	0.0	0.0
	-13.00000	-42.76667	112.00000	-0.022725	111.75	0.0	0.0	0.0
	-12.00000	-42.76667	112.00000	-0.029237	111.75	0.0	0.0	0.0
	-11.00000	-42.76667	112.00000	-0.036524	111.75	0.0	0.0	0.0
	-10.00000	-42.76667	112.00000	-0.044650	111.75	0.0	0.0	0.0
	-9.00000	-42.76667	112.00000	-0.053679	111.75	0.0	0.0	0.0
	-8.00000	-42.76667	112.00000	-0.063664	111.75	0.0	0.0	0.0
	-7.00000	-42.76667	112.00000	-0.074648	111.75	0.0	0.0	0.0
	-6.00000	-42.76667	112.00000	-0.086657	111.75	0.0	0.0	0.0
	-5.00000	-42.76667	112.00000	-0.099688	111.75	0.0	0.0	0.0
	-4.00000	-42.76667	112.00000	-0.11370	111.75	0.0	0.0	0.0
	-3.00000	-42.76667	112.00000	-0.12860	111.75	0.0	0.0	0.0
	-2.00000	-42.76667	112.00000	-0.14422	111.75	0.0	0.0	0.0
	-1.00000	-42.76667	112.00000	-0.16034	111.75	0.0	0.0	0.0
	0.00000	-42.76667	112.00000	-0.17660	111.75	0.0	0.0	0.0
	1.00000	-42.76667	112.00000	-0.19259	111.75	0.0	0.0	0.0
	2.00000	-42.76667	112.00000	-0.20779	111.75	0.0	0.0	0.0
	3.00000	-42.76667	112.00000	-0.22162	111.75	0.0	0.0	0.0
	4.00000	-42.76667	112.00000	-0.23350	111.75	0.0	0.0	0.0
	5.00000	-42.76667	112.00000	-0.24287	111.75	0.0	0.0	0.0
	6.00000	-42.76667	112.00000	-0.24934	111.75	0.0	0.0	0.0
	7.00000	-42.76667	112.00000	-0.25265	111.75	0.0	0.0	0.0
	8.00000	-42.76667	112.00000	-0.25277	111.75	0.0	0.0	0.0
	9.00000	-42.76667	112.00000	-0.24981	111.75	0.0	0.0	0.0
	10.00000	-42.76667	112.00000	-0.24407	111.75	0.0	0.0	0.0
	11.00000	-42.76667	112.00000	-0.23592	111.75	0.0	0.0	0.0
	12.00000	-42.76667	112.00000	-0.22578	111.75	0.0	0.0	0.0
	13.00000	-42.76667	112.00000	-0.21407	111.75	0.0	0.0	0.0
	14.00000	-42.76667	112.00000	-0.20121	111.75	0.0	0.0	0.0
	15.00000	-42.76667	112.00000	-0.18757	111.75	0.0	0.0	0.0
	16.00000	-42.76667	112.00000	-0.17349	111.75	0.0	0.0	0.0
	17.00000	-42.76667	112.00000	-0.15926	111.75	0.0	0.0	0.0
	18.00000	-42.76667	112.00000	-0.14513	111.75	0.0	0.0	0.0
	19.00000	-42.76667	112.00000	-0.13128	111.75	0.0	0.0	0.0
	20.00000	-42.76667	112.00000	-0.11790	111.75	0.0	0.0	0.0
	21.00000	-42.76667	112.00000	-0.10509	111.75	0.0	0.0	0.0
	22.00000	-42.76667	112.00000	-0.092945	111.75	0.0	0.0	0.0
	23.00000	-42.76667	112.00000	-0.081534	111.75	0.0	0.0	0.0
	24.00000	-42.76667	112.00000	-0.070890	111.75	0.0	0.0	0.0
	25.00000	-42.76667	112.00000	-0.061029	111.75	0.0	0.0	0.0
	26.00000	-42.76667	112.00000	-0.051947	111.75	0.0	0.0	0.0
	27.00000	-42.76667	112.00000	-0.043630	111.75	0.0	0.0	0.0
	28.00000	-42.76667	112.00000	-0.036049	111.75	0.0	0.0	0.0
	29.00000	-42.76667	112.00000	-0.029173	111.75	0.0	0.0	0.0
	30.00000	-42.76667	112.00000	-0.022960	111.75	0.0	0.0	0.0
	31.00000	-42.76667	112.00000	-0.017368	111.75	0.0	0.0	0.0
	32.00000	-42.76667	112.00000	-0.012355	111.75	0.0	0.0	0.0
	33.00000	-42.76667	112.00000	-0.0078751	111.75	0.0	0.0	0.0
	34.00000	-42.76667	112.00000	-0.0038861	111.75	0.0	0.0	0.0
	35.00000	-42.76667	112.00000	-346.21E-6	111.75	0.0	0.0	0.0
	36.00000	-42.76667	112.00000	0.0027841	111.75	0.0	0.0	0.0
	37.00000	-42.76667	112.00000	0.0055420	111.75	0.0	0.0	0.0
	38.00000	-42.76667	112.00000	0.0079625	111.75	0.0	0.0	0.0
	39.00000	-42.76667	112.00000	0.010078	111.75	0.0	0.0	0.0
	40.00000	-42.76667	112.00000	0.011917	111.75	0.0	0.0	0.0
	41.00000	-42.76667	112.00000	0.013509	111.75	0.0	0.0	0.0
	42.00000	-42.76667	112.00000	0.014878	111.75	0.0	0.0	0.0
	43.00000	-42.76667	112.00000	0.016046	111.75	0.0	0.0	0.0
	44.00000	-42.76667	112.00000	0.017035	111.75	0.0	0.0	0.0
	45.00000	-42.76667	112.00000	0.017863	111.75	0.0	0.0	0.0
	46.00000	-42.76667	112.00000	0.018548	111.75	0.0	0.0	0.0
	47.00000	-42.76667	112.00000	0.019104	111.75	0.0	0.0	0.0
	48.00000	-42.76667	112.00000	0.019546	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	49.00000	-42.76667	112.00000	0.019887	111.75	0.0	0.0	0.0
	50.00000	-42.76667	112.00000	0.020137	111.75	0.0	0.0	0.0
	-20.00000	-41.73333	112.00000	0.0046730	111.75	0.0	0.0	0.0
	-19.00000	-41.73333	112.00000	0.0016597	111.75	0.0	0.0	0.0
	-18.00000	-41.73333	112.00000	-0.0017931	111.75	0.0	0.0	0.0
	-17.00000	-41.73333	112.00000	-0.0057385	111.75	0.0	0.0	0.0
	-16.00000	-41.73333	112.00000	-0.010235	111.75	0.0	0.0	0.0
	-15.00000	-41.73333	112.00000	-0.015348	111.75	0.0	0.0	0.0
	-14.00000	-41.73333	112.00000	-0.021147	111.75	0.0	0.0	0.0
	-13.00000	-41.73333	112.00000	-0.027710	111.75	0.0	0.0	0.0
	-12.00000	-41.73333	112.00000	-0.035120	111.75	0.0	0.0	0.0
	-11.00000	-41.73333	112.00000	-0.043465	111.75	0.0	0.0	0.0
	-10.00000	-41.73333	112.00000	-0.052836	111.75	0.0	0.0	0.0
	-9.00000	-41.73333	112.00000	-0.063326	111.75	0.0	0.0	0.0
	-8.00000	-41.73333	112.00000	-0.075023	111.75	0.0	0.0	0.0
	-7.00000	-41.73333	112.00000	-0.088007	111.75	0.0	0.0	0.0
	-6.00000	-41.73333	112.00000	-0.10234	111.75	0.0	0.0	0.0
	-5.00000	-41.73333	112.00000	-0.11806	111.75	0.0	0.0	0.0
	-4.00000	-41.73333	112.00000	-0.13516	111.75	0.0	0.0	0.0
	-3.00000	-41.73333	112.00000	-0.15355	111.75	0.0	0.0	0.0
	-2.00000	-41.73333	112.00000	-0.17310	111.75	0.0	0.0	0.0
	-1.00000	-41.73333	112.00000	-0.19351	111.75	0.0	0.0	0.0
	0.00000	-41.73333	112.00000	-0.21439	111.75	0.0	0.0	0.0
	1.00000	-41.73333	112.00000	-0.23518	111.75	0.0	0.0	0.0
	2.00000	-41.73333	112.00000	-0.25516	111.75	0.0	0.0	0.0
	3.00000	-41.73333	112.00000	-0.27349	111.75	0.0	0.0	0.0
	4.00000	-41.73333	112.00000	-0.28929	111.75	0.0	0.0	0.0
	5.00000	-41.73333	112.00000	-0.30173	111.75	0.0	0.0	0.0
	6.00000	-41.73333	112.00000	-0.31017	111.75	0.0	0.0	0.0
	7.00000	-41.73333	112.00000	-0.31426	111.75	0.0	0.0	0.0
	8.00000	-41.73333	112.00000	-0.31397	111.75	0.0	0.0	0.0
	9.00000	-41.73333	112.00000	-0.30955	111.75	0.0	0.0	0.0
	10.00000	-41.73333	112.00000	-0.30148	111.75	0.0	0.0	0.0
	11.00000	-41.73333	112.00000	-0.29034	111.75	0.0	0.0	0.0
	12.00000	-41.73333	112.00000	-0.27676	111.75	0.0	0.0	0.0
	13.00000	-41.73333	112.00000	-0.26134	111.75	0.0	0.0	0.0
	14.00000	-41.73333	112.00000	-0.24463	111.75	0.0	0.0	0.0
	15.00000	-41.73333	112.00000	-0.22714	111.75	0.0	0.0	0.0
	16.00000	-41.73333	112.00000	-0.20928	111.75	0.0	0.0	0.0
	17.00000	-41.73333	112.00000	-0.19141	111.75	0.0	0.0	0.0
	18.00000	-41.73333	112.00000	-0.17383	111.75	0.0	0.0	0.0
	19.00000	-41.73333	112.00000	-0.15676	111.75	0.0	0.0	0.0
	20.00000	-41.73333	112.00000	-0.14039	111.75	0.0	0.0	0.0
	21.00000	-41.73333	112.00000	-0.12485	111.75	0.0	0.0	0.0
	22.00000	-41.73333	112.00000	-0.11023	111.75	0.0	0.0	0.0
	23.00000	-41.73333	112.00000	-0.096599	111.75	0.0	0.0	0.0
	24.00000	-41.73333	112.00000	-0.083972	111.75	0.0	0.0	0.0
	25.00000	-41.73333	112.00000	-0.072353	111.75	0.0	0.0	0.0
	26.00000	-41.73333	112.00000	-0.061724	111.75	0.0	0.0	0.0
	27.00000	-41.73333	112.00000	-0.052051	111.75	0.0	0.0	0.0
	28.00000	-41.73333	112.00000	-0.043288	111.75	0.0	0.0	0.0
	29.00000	-41.73333	112.00000	-0.035383	111.75	0.0	0.0	0.0
	30.00000	-41.73333	112.00000	-0.028280	111.75	0.0	0.0	0.0
	31.00000	-41.73333	112.00000	-0.021919	111.75	0.0	0.0	0.0
	32.00000	-41.73333	112.00000	-0.016241	111.75	0.0	0.0	0.0
	33.00000	-41.73333	112.00000	-0.011190	111.75	0.0	0.0	0.0
	34.00000	-41.73333	112.00000	-0.0067090	111.75	0.0	0.0	0.0
	35.00000	-41.73333	112.00000	-0.0027465	111.75	0.0	0.0	0.0
	36.00000	-41.73333	112.00000	746.82E-6	111.75	0.0	0.0	0.0
	37.00000	-41.73333	112.00000	0.0038164	111.75	0.0	0.0	0.0
	38.00000	-41.73333	112.00000	0.0065044	111.75	0.0	0.0	0.0
	39.00000	-41.73333	112.00000	0.0088490	111.75	0.0	0.0	0.0
	40.00000	-41.73333	112.00000	0.010886	111.75	0.0	0.0	0.0
	41.00000	-41.73333	112.00000	0.012646	111.75	0.0	0.0	0.0
	42.00000	-41.73333	112.00000	0.014159	111.75	0.0	0.0	0.0
	43.00000	-41.73333	112.00000	0.015452	111.75	0.0	0.0	0.0
	44.00000	-41.73333	112.00000	0.016547	111.75	0.0	0.0	0.0
	45.00000	-41.73333	112.00000	0.017466	111.75	0.0	0.0	0.0
	46.00000	-41.73333	112.00000	0.018228	111.75	0.0	0.0	0.0
	47.00000	-41.73333	112.00000	0.018851	111.75	0.0	0.0	0.0
	48.00000	-41.73333	112.00000	0.019350	111.75	0.0	0.0	0.0
	49.00000	-41.73333	112.00000	0.019739	111.75	0.0	0.0	0.0
	50.00000	-41.73333	112.00000	0.020031	111.75	0.0	0.0	0.0
	-20.00000	-40.70000	112.00000	0.0031017	111.75	0.0	0.0	0.0
	-19.00000	-40.70000	112.00000	-212.45E-6	111.75	0.0	0.0	0.0
	-18.00000	-40.70000	112.00000	-0.0040206	111.75	0.0	0.0	0.0
	-17.00000	-40.70000	112.00000	-0.0083861	111.75	0.0	0.0	0.0
	-16.00000	-40.70000	112.00000	-0.013380	111.75	0.0	0.0	0.0
	-15.00000	-40.70000	112.00000	-0.019082	111.75	0.0	0.0	0.0
	-14.00000	-40.70000	112.00000	-0.025580	111.75	0.0	0.0	0.0
	-13.00000	-40.70000	112.00000	-0.032973	111.75	0.0	0.0	0.0
	-12.00000	-40.70000	112.00000	-0.041369	111.75	0.0	0.0	0.0
	-11.00000	-40.70000	112.00000	-0.050886	111.75	0.0	0.0	0.0
	-10.00000	-40.70000	112.00000	-0.061650	111.75	0.0	0.0	0.0
	-9.00000	-40.70000	112.00000	-0.073795	111.75	0.0	0.0	0.0
	-8.00000	-40.70000	112.00000	-0.087457	111.75	0.0	0.0	0.0
	-7.00000	-40.70000	112.00000	-0.102777	111.75	0.0	0.0	0.0
	-6.00000	-40.70000	112.00000	-0.11985	111.75	0.0	0.0	0.0
	-5.00000	-40.70000	112.00000	-0.13880	111.75	0.0	0.0	0.0
	-4.00000	-40.70000	112.00000	-0.15967	111.75	0.0	0.0	0.0
	-3.00000	-40.70000	112.00000	-0.18243	111.75	0.0	0.0	0.0
	-2.00000	-40.70000	112.00000	-0.20696	111.75	0.0	0.0	0.0
	-1.00000	-40.70000	112.00000	-0.23298	111.75	0.0	0.0	0.0
	0.00000	-40.70000	112.00000	-0.26002	111.75	0.0	0.0	0.0
	1.00000	-40.70000	112.00000	-0.28736	111.75	0.0	0.0	0.0
	2.00000	-40.70000	112.00000	-0.31401	111.75	0.0	0.0	0.0
	3.00000	-40.70000	112.00000	-0.33875	111.75	0.0	0.0	0.0
	4.00000	-40.70000	112.00000	-0.36018	111.75	0.0	0.0	0.0
	5.00000	-40.70000	112.00000	-0.37700	111.75	0.0	0.0	0.0
	6.00000	-40.70000	112.00000	-0.38817	111.75	0.0	0.0	0.0
	7.00000	-40.70000	112.00000	-0.39316	111.75	0.0	0.0	0.0
	8.00000	-40.70000	112.00000	-0.39202	111.75	0.0	0.0	0.0
	9.00000	-40.70000	112.00000	-0.38526	111.75	0.0	0.0	0.0
	10.00000	-40.70000	112.00000	-0.37368	111.75	0.0	0.0	0.0
	11.00000	-40.70000	112.00000	-0.35821	111.75	0.0	0.0	0.0
	12.00000	-40.70000	112.00000	-0.33979	111.75	0.0	0.0	0.0
	13.00000	-40.70000	112.00000	-0.31927	111.75	0.0	0.0	0.0
	14.00000	-40.70000	112.00000	-0.29740	111.75	0.0	0.0	0.0
	15.00000	-40.70000	112.00000	-0.27481	111.75	0.0	0.0	0.0
	16.00000	-40.70000	112.00000	-0.25204	111.75	0.0	0.0	0.0
	17.00000	-40.70000	112.00000	-0.22950	111.75	0.0	0.0	0.0
	18.00000	-40.70000	112.00000	-0.20755	111.75	0.0	0.0	0.0
	19.00000	-40.70000	112.00000	-0.18644	111.75	0.0	0.0	0.0
	20.00000	-40.70000	112.00000	-0.16638	111.75	0.0	0.0	0.0
	21.00000	-40.70000	112.00000	-0.14750	111.75	0.0	0.0	0.0
	22.00000	-40.70000	112.00000	-0.12989	111.75	0.0	0.0	0.0
	23.00000	-40.70000	112.00000	-0.11358	111.75	0.0	0.0	0.0
	24.00000	-40.70000	112.00000	-0.098604	111.75	0.0	0.0	0.0
	25.00000	-40.70000	112.00000	-0.084922	111.75	0.0	0.0	0.0
	26.00000	-40.70000	112.00000	-0.072495	111.75	0.0	0.0	0.0
	27.00000	-40.70000	112.00000	-0.061262	111.75	0.0	0.0	0.0
	28.00000	-40.70000	112.00000	-0.051152	111.75	0.0	0.0	0.0
	29.00000	-40.70000	112.00000	-0.042088	111.75	0.0	0.0	0.0
	30.00000	-40.70000	112.00000	-0.033989	111.75	0.0	0.0	0.0
	31.00000	-40.70000	112.00000	-0.026775	111.75	0.0	0.0	0.0
	32.00000	-40.70000	112.00000	-0.020368	111.75	0.0	0.0	0.0
	33.00000	-40.70000	112.00000	-0.014693	111.75	0.0	0.0	0.0
	34.00000	-40.70000	112.00000	-0.0096801	111.75	0.0	0.0	0.0
	35.00000	-40.70000	112.00000	-0.0052632	111.75	0.0	0.0	0.0
	36.00000	-40.70000	112.00000	-0.0013822	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	37.00000	-40.70000	112.00000	0.0020183	111.75	0.0	0.0	0.0
	38.00000	-40.70000	112.00000	0.0049887	111.75	0.0	0.0	0.0
	39.00000	-40.70000	112.00000	0.0075744	111.75	0.0	0.0	0.0
	40.00000	-40.70000	112.00000	0.0098168	111.75	0.0	0.0	0.0
	41.00000	-40.70000	112.00000	0.011753	111.75	0.0	0.0	0.0
	42.00000	-40.70000	112.00000	0.013416	111.75	0.0	0.0	0.0
	43.00000	-40.70000	112.00000	0.014837	111.75	0.0	0.0	0.0
	44.00000	-40.70000	112.00000	0.016041	111.75	0.0	0.0	0.0
	45.00000	-40.70000	112.00000	0.017054	111.75	0.0	0.0	0.0
	46.00000	-40.70000	112.00000	0.017896	111.75	0.0	0.0	0.0
	47.00000	-40.70000	112.00000	0.018587	111.75	0.0	0.0	0.0
	48.00000	-40.70000	112.00000	0.019143	111.75	0.0	0.0	0.0
	49.00000	-40.70000	112.00000	0.019582	111.75	0.0	0.0	0.0
	50.00000	-40.70000	112.00000	0.019915	111.75	0.0	0.0	0.0
	-20.00000	-39.66667	112.00000	0.0015041	111.75	0.0	0.0	0.0
	-19.00000	-39.66667	112.00000	-0.0021208	111.75	0.0	0.0	0.0
	-18.00000	-39.66667	112.00000	-0.0062980	111.75	0.0	0.0	0.0
	-17.00000	-39.66667	112.00000	-0.011102	111.75	0.0	0.0	0.0
	-16.00000	-39.66667	112.00000	-0.016619	111.75	0.0	0.0	0.0
	-15.00000	-39.66667	112.00000	-0.022945	111.75	0.0	0.0	0.0
	-14.00000	-39.66667	112.00000	-0.030189	111.75	0.0	0.0	0.0
	-13.00000	-39.66667	112.00000	-0.038475	111.75	0.0	0.0	0.0
	-12.00000	-39.66667	112.00000	-0.047942	111.75	0.0	0.0	0.0
	-11.00000	-39.66667	112.00000	-0.058744	111.75	0.0	0.0	0.0
	-10.00000	-39.66667	112.00000	-0.071054	111.75	0.0	0.0	0.0
	-9.00000	-39.66667	112.00000	-0.085058	111.75	0.0	0.0	0.0
	-8.00000	-39.66667	112.00000	-0.10096	111.75	0.0	0.0	0.0
	-7.00000	-39.66667	112.00000	-0.11896	111.75	0.0	0.0	0.0
	-6.00000	-39.66667	112.00000	-0.13926	111.75	0.0	0.0	0.0
	-5.00000	-39.66667	112.00000	-0.16207	111.75	0.0	0.0	0.0
	-4.00000	-39.66667	112.00000	-0.18753	111.75	0.0	0.0	0.0
	-3.00000	-39.66667	112.00000	-0.21572	111.75	0.0	0.0	0.0
	-2.00000	-39.66667	112.00000	-0.24660	111.75	0.0	0.0	0.0
	-1.00000	-39.66667	112.00000	-0.27994	111.75	0.0	0.0	0.0
	0.00000	-39.66667	112.00000	-0.31525	111.75	0.0	0.0	0.0
	1.00000	-39.66667	112.00000	-0.35166	111.75	0.0	0.0	0.0
	2.00000	-39.66667	112.00000	-0.38783	111.75	0.0	0.0	0.0
	3.00000	-39.66667	112.00000	-0.42193	111.75	0.0	0.0	0.0
	4.00000	-39.66667	112.00000	-0.45175	111.75	0.0	0.0	0.0
	5.00000	-39.66667	112.00000	-0.47504	111.75	0.0	0.0	0.0
	6.00000	-39.66667	112.00000	-0.49006	111.75	0.0	0.0	0.0
	7.00000	-39.66667	112.00000	-0.49601	111.75	0.0	0.0	0.0
	8.00000	-39.66667	112.00000	-0.49312	111.75	0.0	0.0	0.0
	9.00000	-39.66667	112.00000	-0.48246	111.75	0.0	0.0	0.0
	10.00000	-39.66667	112.00000	-0.46544	111.75	0.0	0.0	0.0
	11.00000	-39.66667	112.00000	-0.44358	111.75	0.0	0.0	0.0
	12.00000	-39.66667	112.00000	-0.41827	111.75	0.0	0.0	0.0
	13.00000	-39.66667	112.00000	-0.39069	111.75	0.0	0.0	0.0
	14.00000	-39.66667	112.00000	-0.36183	111.75	0.0	0.0	0.0
	15.00000	-39.66667	112.00000	-0.33248	111.75	0.0	0.0	0.0
	16.00000	-39.66667	112.00000	-0.30329	111.75	0.0	0.0	0.0
	17.00000	-39.66667	112.00000	-0.27475	111.75	0.0	0.0	0.0
	18.00000	-39.66667	112.00000	-0.24725	111.75	0.0	0.0	0.0
	19.00000	-39.66667	112.00000	-0.22107	111.75	0.0	0.0	0.0
	20.00000	-39.66667	112.00000	-0.19642	111.75	0.0	0.0	0.0
	21.00000	-39.66667	112.00000	-0.17344	111.75	0.0	0.0	0.0
	22.00000	-39.66667	112.00000	-0.15219	111.75	0.0	0.0	0.0
	23.00000	-39.66667	112.00000	-0.13269	111.75	0.0	0.0	0.0
	24.00000	-39.66667	112.00000	-0.11492	111.75	0.0	0.0	0.0
	25.00000	-39.66667	112.00000	-0.098815	111.75	0.0	0.0	0.0
	26.00000	-39.66667	112.00000	-0.084303	111.75	0.0	0.0	0.0
	27.00000	-39.66667	112.00000	-0.071281	111.75	0.0	0.0	0.0
	28.00000	-39.66667	112.00000	-0.059644	111.75	0.0	0.0	0.0
	29.00000	-39.66667	112.00000	-0.049278	111.75	0.0	0.0	0.0
	30.00000	-39.66667	112.00000	-0.040072	111.75	0.0	0.0	0.0
	31.00000	-39.66667	112.00000	-0.031919	111.75	0.0	0.0	0.0
	32.00000	-39.66667	112.00000	-0.024716	111.75	0.0	0.0	0.0
	33.00000	-39.66667	112.00000	-0.018366	111.75	0.0	0.0	0.0
	34.00000	-39.66667	112.00000	-0.012781	111.75	0.0	0.0	0.0
	35.00000	-39.66667	112.00000	-0.0078792	111.75	0.0	0.0	0.0
	36.00000	-39.66667	112.00000	-0.0035872	111.75	0.0	0.0	0.0
	37.00000	-39.66667	112.00000	161.79E-6	111.75	0.0	0.0	0.0
	38.00000	-39.66667	112.00000	0.0034279	111.75	0.0	0.0	0.0
	39.00000	-39.66667	112.00000	0.0062647	111.75	0.0	0.0	0.0
	40.00000	-39.66667	112.00000	0.0087205	111.75	0.0	0.0	0.0
	41.00000	-39.66667	112.00000	0.010838	111.75	0.0	0.0	0.0
	42.00000	-39.66667	112.00000	0.012656	111.75	0.0	0.0	0.0
	43.00000	-39.66667	112.00000	0.014207	111.75	0.0	0.0	0.0
	44.00000	-39.66667	112.00000	0.015523	111.75	0.0	0.0	0.0
	45.00000	-39.66667	112.00000	0.016631	111.75	0.0	0.0	0.0
	46.00000	-39.66667	112.00000	0.017554	111.75	0.0	0.0	0.0
	47.00000	-39.66667	112.00000	0.018313	111.75	0.0	0.0	0.0
	48.00000	-39.66667	112.00000	0.018929	111.75	0.0	0.0	0.0
	49.00000	-39.66667	112.00000	0.019417	111.75	0.0	0.0	0.0
	50.00000	-39.66667	112.00000	0.019792	111.75	0.0	0.0	0.0
	-20.00000	-38.63333	112.00000	-101.66E-6	111.75	0.0	0.0	0.0
	-19.00000	-38.63333	112.00000	-0.0040440	111.75	0.0	0.0	0.0
	-18.00000	-38.63333	112.00000	-0.0086001	111.75	0.0	0.0	0.0
	-17.00000	-38.63333	112.00000	-0.013858	111.75	0.0	0.0	0.0
	-16.00000	-38.63333	112.00000	-0.019918	111.75	0.0	0.0	0.0
	-15.00000	-38.63333	112.00000	-0.026896	111.75	0.0	0.0	0.0
	-14.00000	-38.63333	112.00000	-0.034927	111.75	0.0	0.0	0.0
	-13.00000	-38.63333	112.00000	-0.044163	111.75	0.0	0.0	0.0
	-12.00000	-38.63333	112.00000	-0.054779	111.75	0.0	0.0	0.0
	-11.00000	-38.63333	112.00000	-0.066977	111.75	0.0	0.0	0.0
	-10.00000	-38.63333	112.00000	-0.080982	111.75	0.0	0.0	0.0
	-9.00000	-38.63333	112.00000	-0.097049	111.75	0.0	0.0	0.0
	-8.00000	-38.63333	112.00000	-0.11546	111.75	0.0	0.0	0.0
	-7.00000	-38.63333	112.00000	-0.13653	111.75	0.0	0.0	0.0
	-6.00000	-38.63333	112.00000	-0.16059	111.75	0.0	0.0	0.0
	-5.00000	-38.63333	112.00000	-0.18796	111.75	0.0	0.0	0.0
	-4.00000	-38.63333	112.00000	-0.21896	111.75	0.0	0.0	0.0
	-3.00000	-38.63333	112.00000	-0.25386	111.75	0.0	0.0	0.0
	-2.00000	-38.63333	112.00000	-0.29280	111.75	0.0	0.0	0.0
	-1.00000	-38.63333	112.00000	-0.33571	111.75	0.0	0.0	0.0
	0.00000	-38.63333	112.00000	-0.38219	111.75	0.0	0.0	0.0
	1.00000	-38.63333	112.00000	-0.43130	111.75	0.0	0.0	0.0
	2.00000	-38.63333	112.00000	-0.48134	111.75	0.0	0.0	0.0
	3.00000	-38.63333	112.00000	-0.52962	111.75	0.0	0.0	0.0
	4.00000	-38.63333	112.00000	-0.57249	111.75	0.0	0.0	0.0
	5.00000	-38.63333	112.00000	-0.60586	111.75	0.0	0.0	0.0
	6.00000	-38.63333	112.00000	-0.62647	111.75	0.0	0.0	0.0
	7.00000	-38.63333	112.00000	-0.63305	111.75	0.0	0.0	0.0
	8.00000	-38.63333	112.00000	-0.62652	111.75	0.0	0.0	0.0
	9.00000	-38.63333	112.00000	-0.60911	111.75	0.0	0.0	0.0
	10.00000	-38.63333	112.00000	-0.58346	111.75	0.0	0.0	0.0
	11.00000	-38.63333	112.00000	-0.55199	111.75	0.0	0.0	0.0
	12.00000	-38.63333	112.00000	-0.51673	111.75	0.0	0.0	0.0
	13.00000	-38.63333	112.00000	-0.47928	111.75	0.0	0.0	0.0
	14.00000	-38.63333	112.00000	-0.44090	111.75	0.0	0.0	0.0
	15.00000	-38.63333	112.00000	-0.40255	111.75	0.0	0.0	0.0
	16.00000	-38.63333	112.00000	-0.36494	111.75	0.0	0.0	0.0
	17.00000	-38.63333	112.00000	-0.32864	111.75	0.0	0.0	0.0
	18.00000	-38.63333	112.00000	-0.29406	111.75	0.0	0.0	0.0
	19.00000	-38.63333	112.00000	-0.26150	111.75	0.0	0.0	0.0
	20.00000	-38.63333	112.00000	-0.23114	111.75	0.0	0.0	0.0
	21.00000	-38.63333	112.00000	-0.20312	111.75	0.0	0.0	0.0
	22.00000	-38.63333	112.00000	-0.17745	111.75	0.0	0.0	0.0
	23.00000	-38.63333	112.00000	-0.15411	111.75	0.0	0.0	0.0
	24.00000	-38.63333	112.00000	-0.13303	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	25.00000	-38.63333	112.00000	-0.11410	111.75	0.0	0.0	0.0
	26.00000	-38.63333	112.00000	-0.097175	111.75	0.0	0.0	0.0
	27.00000	-38.63333	112.00000	-0.082112	111.75	0.0	0.0	0.0
	28.00000	-38.63333	112.00000	-0.068749	111.75	0.0	0.0	0.0
	29.00000	-38.63333	112.00000	-0.056930	111.75	0.0	0.0	0.0
	30.00000	-38.63333	112.00000	-0.046502	111.75	0.0	0.0	0.0
	31.00000	-38.63333	112.00000	-0.037322	111.75	0.0	0.0	0.0
	32.00000	-38.63333	112.00000	-0.029256	111.75	0.0	0.0	0.0
	33.00000	-38.63333	112.00000	-0.022181	111.75	0.0	0.0	0.0
	34.00000	-38.63333	112.00000	-0.015986	111.75	0.0	0.0	0.0
	35.00000	-38.63333	112.00000	-0.010572	111.75	0.0	0.0	0.0
	36.00000	-38.63333	112.00000	-0.0058488	111.75	0.0	0.0	0.0
	37.00000	-38.63333	112.00000	-0.0017361	111.75	0.0	0.0	0.0
	38.00000	-38.63333	112.00000	0.0018368	111.75	0.0	0.0	0.0
	39.00000	-38.63333	112.00000	0.0049329	111.75	0.0	0.0	0.0
	40.00000	-38.63333	112.00000	0.0076077	111.75	0.0	0.0	0.0
	41.00000	-38.63333	112.00000	0.0099108	111.75	0.0	0.0	0.0
	42.00000	-38.63333	112.00000	0.011885	111.75	0.0	0.0	0.0
	43.00000	-38.63333	112.00000	0.013570	111.75	0.0	0.0	0.0
	44.00000	-38.63333	112.00000	0.014999	111.75	0.0	0.0	0.0
	45.00000	-38.63333	112.00000	0.016203	111.75	0.0	0.0	0.0
	46.00000	-38.63333	112.00000	0.017207	111.75	0.0	0.0	0.0
	47.00000	-38.63333	112.00000	0.018035	111.75	0.0	0.0	0.0
	48.00000	-38.63333	112.00000	0.018709	111.75	0.0	0.0	0.0
	49.00000	-38.63333	112.00000	0.019247	111.75	0.0	0.0	0.0
	50.00000	-38.63333	112.00000	0.019664	111.75	0.0	0.0	0.0
	-20.00000	-37.60000	112.00000	-0.0016951	111.75	0.0	0.0	0.0
	-19.00000	-37.60000	112.00000	-0.0059575	111.75	0.0	0.0	0.0
	-18.00000	-37.60000	112.00000	-0.010898	111.75	0.0	0.0	0.0
	-17.00000	-37.60000	112.00000	-0.016617	111.75	0.0	0.0	0.0
	-16.00000	-37.60000	112.00000	-0.023235	111.75	0.0	0.0	0.0
	-15.00000	-37.60000	112.00000	-0.030888	111.75	0.0	0.0	0.0
	-14.00000	-37.60000	112.00000	-0.039737	111.75	0.0	0.0	0.0
	-13.00000	-37.60000	112.00000	-0.049969	111.75	0.0	0.0	0.0
	-12.00000	-37.60000	112.00000	-0.061803	111.75	0.0	0.0	0.0
	-11.00000	-37.60000	112.00000	-0.075493	111.75	0.0	0.0	0.0
	-10.00000	-37.60000	112.00000	-0.091332	111.75	0.0	0.0	0.0
	-9.00000	-37.60000	112.00000	-0.10966	111.75	0.0	0.0	0.0
	-8.00000	-37.60000	112.00000	-0.13087	111.75	0.0	0.0	0.0
	-7.00000	-37.60000	112.00000	-0.15540	111.75	0.0	0.0	0.0
	-6.00000	-37.60000	112.00000	-0.18376	111.75	0.0	0.0	0.0
	-5.00000	-37.60000	112.00000	-0.21647	111.75	0.0	0.0	0.0
	-4.00000	-37.60000	112.00000	-0.25410	111.75	0.0	0.0	0.0
	-3.00000	-37.60000	112.00000	-0.29721	111.75	0.0	0.0	0.0
	-2.00000	-37.60000	112.00000	-0.34628	111.75	0.0	0.0	0.0
	-1.00000	-37.60000	112.00000	-0.40163	111.75	0.0	0.0	0.0
	0.00000	-37.60000	112.00000	-0.46319	111.75	0.0	0.0	0.0
	1.00000	-37.60000	112.00000	-0.53026	111.75	0.0	0.0	0.0
	2.00000	-37.60000	112.00000	-0.60097	111.75	0.0	0.0	0.0
	3.00000	-37.60000	112.00000	-0.67166	111.75	0.0	0.0	0.0
	4.00000	-37.60000	112.00000	-0.73618	111.75	0.0	0.0	0.0
	5.00000	-37.60000	112.00000	-0.78640	111.75	0.0	0.0	0.0
	6.00000	-37.60000	112.00000	-0.81535	111.75	0.0	0.0	0.0
	7.00000	-37.60000	112.00000	-0.82104	111.75	0.0	0.0	0.0
	8.00000	-37.60000	112.00000	-0.80655	111.75	0.0	0.0	0.0
	9.00000	-37.60000	112.00000	-0.77699	111.75	0.0	0.0	0.0
	10.00000	-37.60000	112.00000	-0.73721	111.75	0.0	0.0	0.0
	11.00000	-37.60000	112.00000	-0.69102	111.75	0.0	0.0	0.0
	12.00000	-37.60000	112.00000	-0.64124	111.75	0.0	0.0	0.0
	13.00000	-37.60000	112.00000	-0.58992	111.75	0.0	0.0	0.0
	14.00000	-37.60000	112.00000	-0.53851	111.75	0.0	0.0	0.0
	15.00000	-37.60000	112.00000	-0.48807	111.75	0.0	0.0	0.0
	16.00000	-37.60000	112.00000	-0.43939	111.75	0.0	0.0	0.0
	17.00000	-37.60000	112.00000	-0.39302	111.75	0.0	0.0	0.0
	18.00000	-37.60000	112.00000	-0.34938	111.75	0.0	0.0	0.0
	19.00000	-37.60000	112.00000	-0.30875	111.75	0.0	0.0	0.0
	20.00000	-37.60000	112.00000	-0.27127	111.75	0.0	0.0	0.0
	21.00000	-37.60000	112.00000	-0.23703	111.75	0.0	0.0	0.0
	22.00000	-37.60000	112.00000	-0.20598	111.75	0.0	0.0	0.0
	23.00000	-37.60000	112.00000	-0.17804	111.75	0.0	0.0	0.0
	24.00000	-37.60000	112.00000	-0.15305	111.75	0.0	0.0	0.0
	25.00000	-37.60000	112.00000	-0.13081	111.75	0.0	0.0	0.0
	26.00000	-37.60000	112.00000	-0.11111	111.75	0.0	0.0	0.0
	27.00000	-37.60000	112.00000	-0.093730	111.75	0.0	0.0	0.0
	28.00000	-37.60000	112.00000	-0.078433	111.75	0.0	0.0	0.0
	29.00000	-37.60000	112.00000	-0.065003	111.75	0.0	0.0	0.0
	30.00000	-37.60000	112.00000	-0.053236	111.75	0.0	0.0	0.0
	31.00000	-37.60000	112.00000	-0.042942	111.75	0.0	0.0	0.0
	32.00000	-37.60000	112.00000	-0.033949	111.75	0.0	0.0	0.0
	33.00000	-37.60000	112.00000	-0.026103	111.75	0.0	0.0	0.0
	34.00000	-37.60000	112.00000	-0.019266	111.75	0.0	0.0	0.0
	35.00000	-37.60000	112.00000	-0.013316	111.75	0.0	0.0	0.0
	36.00000	-37.60000	112.00000	-0.0081435	111.75	0.0	0.0	0.0
	37.00000	-37.60000	112.00000	-0.0036551	111.75	0.0	0.0	0.0
	38.00000	-37.60000	112.00000	232.83E-6	111.75	0.0	0.0	0.0
	39.00000	-37.60000	112.00000	0.0035935	111.75	0.0	0.0	0.0
	40.00000	-37.60000	112.00000	0.0064911	111.75	0.0	0.0	0.0
	41.00000	-37.60000	112.00000	0.0089817	111.75	0.0	0.0	0.0
	42.00000	-37.60000	112.00000	0.011115	111.75	0.0	0.0	0.0
	43.00000	-37.60000	112.00000	0.012933	111.75	0.0	0.0	0.0
	44.00000	-37.60000	112.00000	0.014475	111.75	0.0	0.0	0.0
	45.00000	-37.60000	112.00000	0.015774	111.75	0.0	0.0	0.0
	46.00000	-37.60000	112.00000	0.016859	111.75	0.0	0.0	0.0
	47.00000	-37.60000	112.00000	0.017756	111.75	0.0	0.0	0.0
	48.00000	-37.60000	112.00000	0.018488	111.75	0.0	0.0	0.0
	49.00000	-37.60000	112.00000	0.019074	111.75	0.0	0.0	0.0
	50.00000	-37.60000	112.00000	0.019533	111.75	0.0	0.0	0.0
	-20.00000	-36.56667	112.00000	-0.0032541	111.75	0.0	0.0	0.0
	-19.00000	-36.56667	112.00000	-0.0078345	111.75	0.0	0.0	0.0
	-18.00000	-36.56667	112.00000	-0.013158	111.75	0.0	0.0	0.0
	-17.00000	-36.56667	112.00000	-0.019342	111.75	0.0	0.0	0.0
	-16.00000	-36.56667	112.00000	-0.026522	111.75	0.0	0.0	0.0
	-15.00000	-36.56667	112.00000	-0.034861	111.75	0.0	0.0	0.0
	-14.00000	-36.56667	112.00000	-0.044549	111.75	0.0	0.0	0.0
	-13.00000	-36.56667	112.00000	-0.055811	111.75	0.0	0.0	0.0
	-12.00000	-36.56667	112.00000	-0.068915	111.75	0.0	0.0	0.0
	-11.00000	-36.56667	112.00000	-0.084175	111.75	0.0	0.0	0.0
	-10.00000	-36.56667	112.00000	-0.10197	111.75	0.0	0.0	0.0
	-9.00000	-36.56667	112.00000	-0.122273	111.75	0.0	0.0	0.0
	-8.00000	-36.56667	112.00000	-0.14700	111.75	0.0	0.0	0.0
	-7.00000	-36.56667	112.00000	-0.17538	111.75	0.0	0.0	0.0
	-6.00000	-36.56667	112.00000	-0.20859	111.75	0.0	0.0	0.0
	-5.00000	-36.56667	112.00000	-0.24744	111.75	0.0	0.0	0.0
	-4.00000	-36.56667	112.00000	-0.29288	111.75	0.0	0.0	0.0
	-3.00000	-36.56667	112.00000	-0.34590	111.75	0.0	0.0	0.0
	-2.00000	-36.56667	112.00000	-0.40758	111.75	0.0	0.0	0.0
	-1.00000	-36.56667	112.00000	-0.47892	111.75	0.0	0.0	0.0
	0.00000	-36.56667	112.00000	-0.56070	111.75	0.0	0.0	0.0
	1.00000	-36.56667	112.00000	-0.65316	111.75	0.0	0.0	0.0
	2.00000	-36.56667	112.00000	-0.75521	111.75	0.0	0.0	0.0
	3.00000	-36.56667	112.00000	-0.86300	111.75	0.0	0.0	0.0
	4.00000	-36.56667	112.00000	-0.96694	111.75	0.0	0.0	0.0
	5.00000	-36.56667	112.00000	-1.0491	111.75	0.0	0.0	0.0
	6.00000	-36.56667	112.00000	-1.0908	111.75	0.0	0.0	0.0
	7.00000	-36.56667	112.00000	-1.0894	111.75	0.0	0.0	0.0
	8.00000	-36.56667	112.00000	-1.0565	111.75	0.0	0.0	0.0
	9.00000	-36.56667	112.00000	-1.0039	111.75	0.0	0.0	0.0
	10.00000	-36.56667	112.00000	-0.94039	111.75	0.0	0.0	0.0
	11.00000	-36.56667	112.00000	-0.87129	111.75	0.0	0.0	0.0
	12.00000	-36.56667	112.00000	-0.80012	111.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	13.00000	-36.56667	112.00000	-0.72911	111.75	0.0	0.0	0.0
	14.00000	-36.56667	112.00000	-0.65975	111.75	0.0	0.0	0.0
	15.00000	-36.56667	112.00000	-0.59305	111.75	0.0	0.0	0.0
	16.00000	-36.56667	112.00000	-0.52970	111.75	0.0	0.0	0.0
	17.00000	-36.56667	112.00000	-0.47022	111.75	0.0	0.0	0.0
	18.00000	-36.56667	112.00000	-0.41492	111.75	0.0	0.0	0.0
	19.00000	-36.56667	112.00000	-0.36404	111.75	0.0	0.0	0.0
	20.00000	-36.56667	112.00000	-0.31764	111.75	0.0	0.0	0.0
	21.00000	-36.56667	112.00000	-0.27571	111.75	0.0	0.0	0.0
	22.00000	-36.56667	112.00000	-0.23812	111.75	0.0	0.0	0.0
	23.00000	-36.56667	112.00000	-0.20465	111.75	0.0	0.0	0.0
	24.00000	-36.56667	112.00000	-0.17504	111.75	0.0	0.0	0.0
	25.00000	-36.56667	112.00000	-0.14896	111.75	0.0	0.0	0.0
	26.00000	-36.56667	112.00000	-0.12609	111.75	0.0	0.0	0.0
	27.00000	-36.56667	112.00000	-0.10608	111.75	0.0	0.0	0.0
	28.00000	-36.56667	112.00000	-0.088632	111.75	0.0	0.0	0.0
	29.00000	-36.56667	112.00000	-0.073433	111.75	0.0	0.0	0.0
	30.00000	-36.56667	112.00000	-0.060212	111.75	0.0	0.0	0.0
	31.00000	-36.56667	112.00000	-0.048723	111.75	0.0	0.0	0.0
	32.00000	-36.56667	112.00000	-0.038747	111.75	0.0	0.0	0.0
	33.00000	-36.56667	112.00000	-0.030090	111.75	0.0	0.0	0.0
	34.00000	-36.56667	112.00000	-0.022582	111.75	0.0	0.0	0.0
	35.00000	-36.56667	112.00000	-0.016076	111.75	0.0	0.0	0.0
	36.00000	-36.56667	112.00000	-0.010444	111.75	0.0	0.0	0.0
	37.00000	-36.56667	112.00000	-0.0055719	111.75	0.0	0.0	0.0
	38.00000	-36.56667	112.00000	-0.0013643	111.75	0.0	0.0	0.0
	39.00000	-36.56667	112.00000	0.0022634	111.75	0.0	0.0	0.0
	40.00000	-36.56667	112.00000	0.0053845	111.75	0.0	0.0	0.0
	41.00000	-36.56667	112.00000	0.0080625	111.75	0.0	0.0	0.0
	42.00000	-36.56667	112.00000	0.010353	111.75	0.0	0.0	0.0
	43.00000	-36.56667	112.00000	0.012304	111.75	0.0	0.0	0.0
	44.00000	-36.56667	112.00000	0.013958	111.75	0.0	0.0	0.0
	45.00000	-36.56667	112.00000	0.015351	111.75	0.0	0.0	0.0
	46.00000	-36.56667	112.00000	0.016515	111.75	0.0	0.0	0.0
	47.00000	-36.56667	112.00000	0.017479	111.75	0.0	0.0	0.0
	48.00000	-36.56667	112.00000	0.018268	111.75	0.0	0.0	0.0
	49.00000	-36.56667	112.00000	0.018902	111.75	0.0	0.0	0.0
	50.00000	-36.56667	112.00000	0.019401	111.75	0.0	0.0	0.0
	-20.00000	-35.53333	112.00000	-0.0047549	111.75	0.0	0.0	0.0
	-19.00000	-35.53333	112.00000	-0.0096462	111.75	0.0	0.0	0.0
	-18.00000	-35.53333	112.00000	-0.015346	111.75	0.0	0.0	0.0
	-17.00000	-35.53333	112.00000	-0.021988	111.75	0.0	0.0	0.0
	-16.00000	-35.53333	112.00000	-0.029728	111.75	0.0	0.0	0.0
	-15.00000	-35.53333	112.00000	-0.038752	111.75	0.0	0.0	0.0
	-14.00000	-35.53333	112.00000	-0.049284	111.75	0.0	0.0	0.0
	-13.00000	-35.53333	112.00000	-0.061591	111.75	0.0	0.0	0.0
	-12.00000	-35.53333	112.00000	-0.075993	111.75	0.0	0.0	0.0
	-11.00000	-35.53333	112.00000	-0.092877	111.75	0.0	0.0	0.0
	-10.00000	-35.53333	112.00000	-0.11271	111.75	0.0	0.0	0.0
	-9.00000	-35.53333	112.00000	-0.13606	111.75	0.0	0.0	0.0
	-8.00000	-35.53333	112.00000	-0.16360	111.75	0.0	0.0	0.0
	-7.00000	-35.53333	112.00000	-0.19616	111.75	0.0	0.0	0.0
	-6.00000	-35.53333	112.00000	-0.23475	111.75	0.0	0.0	0.0
	-5.00000	-35.53333	112.00000	-0.28055	111.75	0.0	0.0	0.0
	-4.00000	-35.53333	112.00000	-0.33500	111.75	0.0	0.0	0.0
	-3.00000	-35.53333	112.00000	-0.39977	111.75	0.0	0.0	0.0
	-2.00000	-35.53333	112.00000	-0.47681	111.75	0.0	0.0	0.0
	-1.00000	-35.53333	112.00000	-0.56835	111.75	0.0	0.0	0.0
	0.00000	-35.53333	112.00000	-0.67681	111.75	0.0	0.0	0.0
	1.00000	-35.53333	112.00000	-0.80474	111.75	0.0	0.0	0.0
	2.00000	-35.53333	112.00000	-0.95432	111.75	0.0	0.0	0.0
	3.00000	-35.53333	112.00000	-1.1259	111.75	0.0	0.0	0.0
	4.00000	-35.53333	112.00000	-1.3118	111.75	0.0	0.0	0.0
	5.00000	-35.53333	112.00000	-1.4723	111.75	0.0	0.0	0.0
	6.00000	-35.53333	112.00000	-1.5306	111.75	0.0	0.0	0.0
	7.00000	-35.53333	112.00000	-1.4953	111.75	0.0	0.0	0.0
	8.00000	-35.53333	112.00000	-1.4159	111.75	0.0	0.0	0.0
	9.00000	-35.53333	112.00000	-1.3180	111.75	0.0	0.0	0.0
	10.00000	-35.53333	112.00000	-1.2134	111.75	0.0	0.0	0.0
	11.00000	-35.53333	112.00000	-1.1081	111.75	0.0	0.0	0.0
	12.00000	-35.53333	112.00000	-1.0050	111.75	0.0	0.0	0.0
	13.00000	-35.53333	112.00000	-0.90584	111.75	0.0	0.0	0.0
	14.00000	-35.53333	112.00000	-0.81156	111.75	0.0	0.0	0.0
	15.00000	-35.53333	112.00000	-0.72279	111.75	0.0	0.0	0.0
	16.00000	-35.53333	112.00000	-0.63992	111.75	0.0	0.0	0.0
	17.00000	-35.53333	112.00000	-0.56320	111.75	0.0	0.0	0.0
	18.00000	-35.53333	112.00000	-0.49282	111.75	0.0	0.0	0.0
	19.00000	-35.53333	112.00000	-0.42884	111.75	0.0	0.0	0.0
	20.00000	-35.53333	112.00000	-0.37120	111.75	0.0	0.0	0.0
	21.00000	-35.53333	112.00000	-0.31974	111.75	0.0	0.0	0.0
	22.00000	-35.53333	112.00000	-0.27417	111.75	0.0	0.0	0.0
	23.00000	-35.53333	112.00000	-0.23408	111.75	0.0	0.0	0.0
	24.00000	-35.53333	112.00000	-0.19902	111.75	0.0	0.0	0.0
	25.00000	-35.53333	112.00000	-0.16850	111.75	0.0	0.0	0.0
	26.00000	-35.53333	112.00000	-0.14201	111.75	0.0	0.0	0.0
	27.00000	-35.53333	112.00000	-0.11907	111.75	0.0	0.0	0.0
	28.00000	-35.53333	112.00000	-0.099249	111.75	0.0	0.0	0.0
	29.00000	-35.53333	112.00000	-0.082128	111.75	0.0	0.0	0.0
	30.00000	-35.53333	112.00000	-0.067349	111.75	0.0	0.0	0.0
	31.00000	-35.53333	112.00000	-0.054593	111.75	0.0	0.0	0.0
	32.00000	-35.53333	112.00000	-0.043586	111.75	0.0	0.0	0.0
	33.00000	-35.53333	112.00000	-0.034087	111.75	0.0	0.0	0.0
	34.00000	-35.53333	112.00000	-0.025889	111.75	0.0	0.0	0.0
	35.00000	-35.53333	112.00000	-0.018817	111.75	0.0	0.0	0.0
	36.00000	-35.53333	112.00000	-0.012717	111.75	0.0	0.0	0.0
	37.00000	-35.53333	112.00000	-0.0074601	111.75	0.0	0.0	0.0
	38.00000	-35.53333	112.00000	-0.0029328	111.75	0.0	0.0	0.0
	39.00000	-35.53333	112.00000	960.56E-6	111.75	0.0	0.0	0.0
	40.00000	-35.53333	112.00000	0.0043030	111.75	0.0	0.0	0.0
	41.00000	-35.53333	112.00000	0.0071659	111.75	0.0	0.0	0.0
	42.00000	-35.53333	112.00000	0.00961110	111.75	0.0	0.0	0.0
	43.00000	-35.53333	112.00000	0.011692	111.75	0.0	0.0	0.0
	44.00000	-35.53333	112.00000	0.013454	111.75	0.0	0.0	0.0
	45.00000	-35.53333	112.00000	0.014939	111.75	0.0	0.0	0.0
	46.00000	-35.53333	112.00000	0.016180	111.75	0.0	0.0	0.0
	47.00000	-35.53333	112.00000	0.017209	111.75	0.0	0.0	0.0
	48.00000	-35.53333	112.00000	0.018052	111.75	0.0	0.0	0.0
	49.00000	-35.53333	112.00000	0.018733	111.75	0.0	0.0	0.0
	50.00000	-35.53333	112.00000	0.019271	111.75	0.0	0.0	0.0
	-20.00000	-34.50000	112.00000	-0.0061730	111.75	0.0	0.0	0.0
	-19.00000	-34.50000	112.00000	-0.011362	111.75	0.0	0.0	0.0
	-18.00000	-34.50000	112.00000	-0.017425	111.75	0.0	0.0	0.0
	-17.00000	-34.50000	112.00000	-0.024509	111.75	0.0	0.0	0.0
	-16.00000	-34.50000	112.00000	-0.032793	111.75	0.0	0.0	0.0
	-15.00000	-34.50000	112.00000	-0.042488	111.75	0.0	0.0	0.0
	-14.00000	-34.50000	112.00000	-0.053852	111.75	0.0	0.0	0.0
	-13.00000	-34.50000	112.00000	-0.067195	111.75	0.0	0.0	0.0
	-12.00000	-34.50000	112.00000	-0.082898	111.75	0.0	0.0	0.0
	-11.00000	-34.50000	112.00000	-0.10142	111.75	0.0	0.0	0.0
	-10.00000	-34.50000	112.00000	-0.12334	111.75	0.0	0.0	0.0
	-9.00000	-34.50000	112.00000	-0.14935	111.75	0.0	0.0	0.0
	-8.00000	-34.50000	112.00000	-0.18033	111.75	0.0	0.0	0.0
	-7.00000	-34.50000	112.00000	-0.21735	111.75	0.0	0.0	0.0
	-6.00000	-34.50000	112.00000	-0.26175	111.75	0.0	0.0	0.0
	-5.00000	-34.50000	112.00000	-0.31522	111.75	0.0	0.0	0.0
	-4.00000	-34.50000	112.00000	-0.37982	111.75	0.0	0.0	0.0
	-3.00000	-34.50000	112.00000	-0.45818	111.75	0.0	0.0	0.0
	-2.00000	-34.50000	112.00000	-0.55353	111.75	0.0	0.0	0.0
	-1.00000	-34.50000	112.00000	-0.66996	111.75	0.0	0.0	0.0
	0.00000	-34.50000	112.00000	-0.81270	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Short-Term Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	1.00000	-34.50000	112.00000	-0.98878	111.75	0.0	0.0	0.0
	2.00000	-34.50000	112.00000	-1.2084	111.75	0.0	0.0	0.0
	3.00000	-34.50000	112.00000	-1.4886	111.75	0.0	0.0	0.0
	4.00000	-34.50000	112.00000	-1.8658	111.75	0.0	0.0	0.0
	5.00000	-34.50000	112.00000	-2.4109	111.75	0.0	0.0	0.0
	6.00000	-34.50000	112.00000	-2.3816	111.75	0.0	0.0	0.0
	7.00000	-34.50000	112.00000	-2.1657	111.75	0.0	0.0	0.0
	8.00000	-34.50000	112.00000	-1.9584	111.75	0.0	0.0	0.0
	9.00000	-34.50000	112.00000	-1.7663	111.75	0.0	0.0	0.0
	10.00000	-34.50000	112.00000	-1.5888	111.75	0.0	0.0	0.0
	11.00000	-34.50000	112.00000	-1.4247	111.75	0.0	0.0	0.0
	12.00000	-34.50000	112.00000	-1.2731	111.75	0.0	0.0	0.0
	13.00000	-34.50000	112.00000	-1.1330	111.75	0.0	0.0	0.0
	14.00000	-34.50000	112.00000	-1.0037	111.75	0.0	0.0	0.0
	15.00000	-34.50000	112.00000	-0.88465	111.75	0.0	0.0	0.0
	16.00000	-34.50000	112.00000	-0.77547	111.75	0.0	0.0	0.0
	17.00000	-34.50000	112.00000	-0.67591	111.75	0.0	0.0	0.0
	18.00000	-34.50000	112.00000	-0.58580	111.75	0.0	0.0	0.0
	19.00000	-34.50000	112.00000	-0.50493	111.75	0.0	0.0	0.0
	20.00000	-34.50000	112.00000	-0.43304	111.75	0.0	0.0	0.0
	21.00000	-34.50000	112.00000	-0.36971	111.75	0.0	0.0	0.0
	22.00000	-34.50000	112.00000	-0.31437	111.75	0.0	0.0	0.0
	23.00000	-34.50000	112.00000	-0.26636	111.75	0.0	0.0	0.0
	24.00000	-34.50000	112.00000	-0.22492	111.75	0.0	0.0	0.0
	25.00000	-34.50000	112.00000	-0.18929	111.75	0.0	0.0	0.0
	26.00000	-34.50000	112.00000	-0.15873	111.75	0.0	0.0	0.0
	27.00000	-34.50000	112.00000	-0.13255	111.75	0.0	0.0	0.0
	28.00000	-34.50000	112.00000	-0.11015	111.75	0.0	0.0	0.0
	29.00000	-34.50000	112.00000	-0.090965	111.75	0.0	0.0	0.0
	30.00000	-34.50000	112.00000	-0.074539	111.75	0.0	0.0	0.0
	31.00000	-34.50000	112.00000	-0.060463	111.75	0.0	0.0	0.0
	32.00000	-34.50000	112.00000	-0.048391	111.75	0.0	0.0	0.0
	33.00000	-34.50000	112.00000	-0.038032	111.75	0.0	0.0	0.0
	34.00000	-34.50000	112.00000	-0.029136	111.75	0.0	0.0	0.0
	35.00000	-34.50000	112.00000	-0.021495	111.75	0.0	0.0	0.0
	36.00000	-34.50000	112.00000	-0.014930	111.75	0.0	0.0	0.0
	37.00000	-34.50000	112.00000	-0.0092908	111.75	0.0	0.0	0.0
	38.00000	-34.50000	112.00000	-0.0044489	111.75	0.0	0.0	0.0
	39.00000	-34.50000	112.00000	-295.34E-6	111.75	0.0	0.0	0.0
	40.00000	-34.50000	112.00000	0.0032628	111.75	0.0	0.0	0.0
	41.00000	-34.50000	112.00000	0.0063051	111.75	0.0	0.0	0.0
	42.00000	-34.50000	112.00000	0.0088997	111.75	0.0	0.0	0.0
	43.00000	-34.50000	112.00000	0.011105	111.75	0.0	0.0	0.0
	44.00000	-34.50000	112.00000	0.012972	111.75	0.0	0.0	0.0
	45.00000	-34.50000	112.00000	0.014544	111.75	0.0	0.0	0.0
	46.00000	-34.50000	112.00000	0.015860	111.75	0.0	0.0	0.0
	47.00000	-34.50000	112.00000	0.016950	111.75	0.0	0.0	0.0
	48.00000	-34.50000	112.00000	0.017845	111.75	0.0	0.0	0.0
	49.00000	-34.50000	112.00000	0.018570	111.75	0.0	0.0	0.0
	50.00000	-34.50000	112.00000	0.019145	111.75	0.0	0.0	0.0

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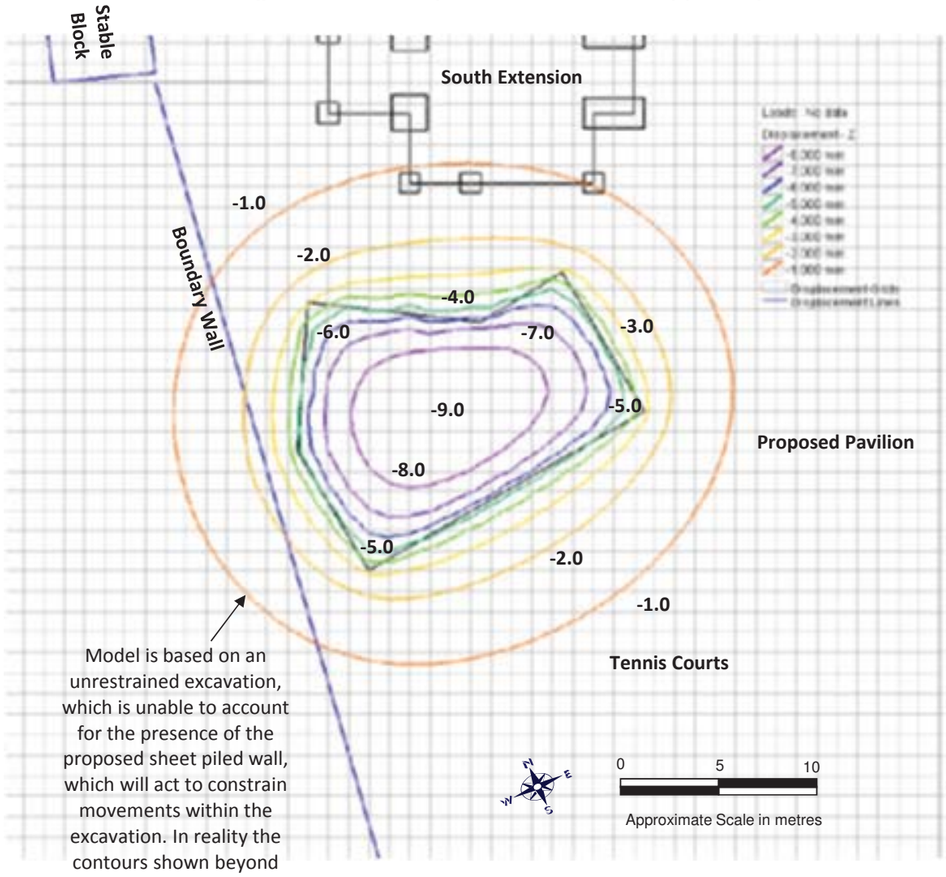
Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR
Client	Channing Junior School
Engineer	Heyne Tillett Steel

Job Number J17268

Sheet 1/1

Figure 8 - Total Heave / Settlement - Pavilion Only (inc Raft)



Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Notes
Refer to Figure 8 for contour output

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.20
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: 60.00 [m OD]
Displacements at load centroids: Yes

Soil ProfilesSoil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	117.00	1	10000.	10000.	0.20000	None
2	115.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	39375.	79875.	0.20000	None
5	90.000	15	79875.	181120.	0.20000	None

Soil ProfilesSoil Profile 2

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	114.00	1	10000.	10000.	0.20000	None
2	113.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	39375.	79875.	0.20000	None
5	90.000	15	79875.	181120.	0.20000	None

Soil ProfilesSoil Profile 3

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
1	112.00	1	10000.	10000.	0.20000	None
2	111.00	5	40000.	40000.	0.20000	None
3	110.00	8	25000.	50000.	0.20000	None
4	102.00	12	39375.	79875.	0.20000	None
5	90.000	15	79875.	181120.	0.20000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Soil Zone 1	-20.00000	0.00000	-10.00000	40.00000	Soil Profile 1
2	Soil Zone 2	0.00000	31.00000	5.00000	40.00000	Soil Profile 1
3	Soil Zone 3	31.00000	50.00000	20.00000	40.00000	Soil Profile 1
4	Soil Zone 4	0.00000	31.00000	-10.00000	5.00000	Soil Profile 2
5	Soil Zone 5	31.00000	50.00000	-10.00000	20.00000	Soil Profile 2
6	Soil Zone 6	-20.00000	50.00000	-26.50000	-10.00000	Soil Profile 2
7	Soil Zone 7	-20.00000	5.00000	-34.50000	-26.50000	Soil Profile 2
8	Soil Zone 8	5.00000	50.00000	-34.50000	-26.50000	Soil Profile 3
9	Soil Zone 9	-20.00000	50.00000	-50.00000	-34.50000	Soil Profile 3

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Centre of load (Global) Y [m]	Centre of load (Global) Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance [%]	Number of rectangles	Load value Normal (local z) [kN/m²]	Load value Tangential (local x) [kN/m²]	Load value Tangential (local y) [kN/m²]
1	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,23) (24,20) (17,20) (17,15) (15.5,15) (15.5,12) (18.5,12) (18.5,10) (30,10) (30,23)	10.000	4	0.0	N/A	N/A
2	East Extension	Polygonal	Horizontal	N/A	N/A	114.00000	N/A	N/A	N/A	(24,10) (24,4) (25,2) (29,2) (30,4) (30,10)	10.000	2	0.0	N/A	N/A
3	South Extension	Polygonal	Horizontal	N/A	N/A	113.00000	N/A	N/A	N/A	(1,0) (18,0) (18,-11.5) (16,-11.5) (16,-15) (7,-15) (7,-11.5) (3,-11.5) (3,-4) (1,-4)	10.000	3	0.0	N/A	N/A
4	Pavilion	Polygonal	Horizontal	N/A	N/A	110.50000	N/A	N/A	N/A	(2,-21) (10.5,-22) (14.5,-19.5) (18.5,-26.5) (5,-34.5) (1.5,-28.5)	5.0000	10	-35.000	N/A	N/A
5	L-Shaped RC Underpin for East Extension	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(30,23) (30,22) (25,22) (25,20) (24,20) (24,23)	10.000	2	0.0	N/A	N/A
6	RC Underpin of Wall 30	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(24.5,20) (17,20) (17,19) (24.5,19)	10.000	1	0.0	N/A	N/A
7	RC Underpin between Wall 27 & 29	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(15.5,15) (15.5,12) (16.5,12) (16.5,15)	10.000	1	0.0	N/A	N/A
8	RC Underpin of Wall 31	Polygonal	Horizontal	N/A	N/A	113.85000	N/A	N/A	N/A	(23.5,19) (24.5,19) (24.5,10) (23.5,10)	10.000	1	0.0	N/A	N/A
9	Pad 6	Rectangular	Horizontal	19.00000	13.00000	113.85000	0.0	2.5000	2.5000 N/A		N/A	1	0.0	0.0	0.0
10	Pad 1 - A	Rectangular	Horizontal	24.00000	4.00000	113.85000	0.0	1.5000	1.5000 N/A		N/A	1	0.0	0.0	0.0
11	Pad 2 - A	Rectangular	Horizontal	25.00000	2.00000	113.85000	0.0	0.75000	0.75000 N/A		N/A	1	0.0	0.0	0.0
12	Pad 2 - B	Rectangular	Horizontal	29.00000	2.00000	113.85000	0.0	0.75000	0.75000 N/A		N/A	1	0.0	0.0	0.0
13	Pad 5 - A	Rectangular	Horizontal	7.00000	-0.50000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
14	Pad 5 - B	Rectangular	Horizontal	3.00000	-4.00000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
15	Pad 5 - C	Rectangular	Horizontal	3.00000	-7.50000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
16	Pad 5 - D	Rectangular	Horizontal	3.00000	-11.50000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
17	Pad 5 - E	Rectangular	Horizontal	7.00000	-15.00000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
18	Pad 5 - F	Rectangular	Horizontal	10.00000	-15.00000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
19	Pad 5 - G	Rectangular	Horizontal	16.00000	-15.00000	112.60000	0.0	1.0000	1.0000 N/A		N/A	1	0.0	0.0	0.0
20	Pad 4 - A	Rectangular	Horizontal	17.00000	-1.00000	112.60000	0.0	3.0000	1.5000 N/A		N/A	1	0.0	0.0	0.0
21	Pad 4 - B	Rectangular	Horizontal	17.00000	-4.00000	112.60000	0.0	3.0000	1.5000 N/A		N/A	1	0.0	0.0	0.0
22	Pad 4 - C	Rectangular	Horizontal	17.00000	-7.50000	112.60000	0.0	3.0000	1.5000 N/A		N/A	1	0.0	0.0	0.0
23	Pad 4 - D	Rectangular	Horizontal	17.00000	-11.50000	112.60000	0.0	3.0000	1.5000 N/A		N/A	1	0.0	0.0	0.0
24	Pad 3 - A	Rectangular	Horizontal	7.00000	-4.00000	112.60000	0.0	1.7500	1.7500 N/A		N/A	1	0.0	0.0	0.0
25	Pad 3 - B	Rectangular	Horizontal	7.00000	-7.50000	112.60000	0.0	1.7500	1.7500 N/A		N/A	1	0.0	0.0	0.0
26	Pad 3 - C	Rectangular	Horizontal	7.00000	-11.50000	112.60000	0.0	1.7500	1.7500 N/A		N/A	1	0.0	0.0	0.0
27	Pad 1 - B	Rectangular	Horizontal	30.00000	21.50000	113.85000	0.0	1.5000	1.5000 N/A		N/A	1	0.0	0.0	0.0

Load ref.	Name	Shape	Orientation of Plane	X	Centre of load (Global) Y	Z (level)	Angle of local x from	Width x or Radius	Length y	Polygon Coordinates	Rectangle tolerance	Number of rectangles	Load value Normal (local z)	Tangential (local x)	Tangential (local y)
28	Pad 1 - C	Rectangular	Horizontal	30.00000	16.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
29	Pad 1 - D	Rectangular	Horizontal	30.00000	10.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0
30	Pad 1 - E	Rectangular	Horizontal	30.00000	4.00000	113.85000	0.0	1.5000	1.5000	N/A		N/A	1	0.0	0.0	0.0

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Centre of load Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : East Extension					
(Edge 1 optimal)					
1	27.00000	21.50000	-90.000	3.0000	6.0000
2	23.50000	17.50000	-90.000	5.0000	13.000
3	22.75000	13.50000	-90.000	3.0000	14.500
4	24.25000	11.00000	-90.000	2.0000	11.500
Load 2 : East Extension					
(Edge 1 optimal)					
1	27.00000	7.00000	-90.000	6.0000	6.0000
2	27.00000	3.00000	-90.000	2.0000	5.0000
Load 3 : South Extension					
(Edge 1 optimal)					
1	10.50000	-7.75000	-90.000	7.5000	15.000
2	11.50000	-13.25000	-90.000	3.5000	9.0000
3	9.50000	-2.00000	-90.000	4.0000	17.000
Load 4 : Pavilion					
(Edge 1 optimal)					
1	3.53052	-30.88353	30.651	1.0634	7.7207
2	4.05044	-29.67497	30.651	1.0634	9.2700
3	4.57037	-28.46640	30.651	1.0634	10.819
4	5.09029	-27.25784	30.651	1.0634	12.369
5	6.54628	-26.44788	30.651	2.2676	12.278
6	8.93832	-26.03655	30.651	2.2676	10.547
7	11.33037	-25.62521	30.651	2.2676	8.8153
8	14.48617	-24.22666	30.651	4.5882	8.0040
9	15.95946	-22.15034	30.651	0.063725	6.0437
10	14.98649	-20.38345	30.651	0.063725	2.0146
Load 5 : L-Shaped RC Underpin for East Extension					
(Edge 2 optimal)					
1	27.00000	22.50000	-90.000	1.0000	6.0000
2	24.50000	21.00000	-90.000	2.0000	1.0000
Load 6 : RC Underpin of Wall 30					
(Edge 1 optimal)					
1	20.75000	19.50000	-180.00	7.5000	1.0000
Load 7 : RC Underpin between Wall 27 & 29					
(Edge 1 optimal)					
1	16.00000	13.50000	-90.000	3.0000	1.0000
Load 8 : RC Underpin of Wall 31					
(Edge 2 optimal)					
1	24.00000	14.50000	0.0	1.0000	9.0000

Displacement Data

Ref.	Type	Name	Direction of Extrusion	First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
1	Line	Line 1	N/A	0.00000	0.00000	113.50000	8.00000	0.00000	113.50000	8	N/A	N/A	No	N/A
2	Line	Line 2	N/A	16.00000	0.00000	113.50000	16.00000	5.00000	113.50000	5	N/A	N/A	No	N/A
3	Line	Line 3	N/A	8.00000	0.00000	113.50000	8.00000	5.00000	113.50000	5	N/A	N/A	No	N/A
4	Line	Line 4	N/A	8.00000	5.00000	113.50000	16.00000	5.00000	113.50000	8	N/A	N/A	No	N/A
5	Line	Line 5	N/A	16.00000	5.00000	113.50000	18.50000	6.50000	113.50000	2	N/A	N/A	No	N/A
6	Line	Line 6	N/A	18.50000	6.50000	113.50000	18.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
7	Line	Line 7	N/A	6.50000	12.00000	113.50000	18.50000	12.00000	113.50000	6	N/A	N/A	No	N/A
8	Line	Line 8	N/A	6.50000	6.50000	113.50000	6.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
9	Line	Line 9	N/A	4.00000	9.00000	113.50000	6.50000	9.00000	113.50000	2	N/A	N/A	No	N/A
10	Line	Line 10	N/A	4.00000	6.50000	113.50000	4.00000	9.00000	113.50000	2	N/A	N/A	No	N/A
11	Line	Line 11	N/A	4.00000	6.50000	113.50000	15.50000	6.50000	113.50000	5	N/A	N/A	No	N/A
12	Line	Line 12	N/A	15.50000	6.50000	113.50000	15.50000	12.00000	113.50000	5	N/A	N/A	No	N/A
13	Line	Line 13	N/A	0.00000	8.00000	113.50000	4.00000	8.00000	113.50000	4	N/A	N/A	No	N/A
14	Line	Line 14	N/A	0.00000	0.00000	113.50000	0.00000	8.00000	113.50000	8	N/A	N/A	No	N/A
15	Line	Line 15	N/A	18.50000	6.50000	113.50000	20.00000	5.50000	113.50000	1	N/A	N/A	No	N/A
16	Line	Line 16	N/A	20.00000	5.50000	113.50000	23.00000	5.50000	113.50000	3	N/A	N/A	No	N/A
17	Line	Line 17	N/A	23.00000	5.50000	113.50000	24.00000	6.50000	113.50000	1	N/A	N/A	No	N/A
18	Line	Line 18	N/A	24.00000	6.50000	113.50000	24.00000	10.00000	113.50000	3	N/A	N/A	No	N/A
19	Line	Line 19	N/A	18.50000	10.00000	113.50000	24.00000	10.00000	113.50000	5	N/A	N/A	No	N/A
20	Line	Line 20	N/A	11.00000	12.00000	116.00000	11.00000	15.00000	116.00000	3	N/A	N/A	No	N/A
21	Line	Line 21	N/A	11.00000	15.00000	114.00000	10.00000	16.00000	114.00000	1	N/A	N/A	No	N/A
22	Line	Line 22	N/A	10.00000	16.00000	114.00000	9.00000	16.00000	114.00000	1	N/A	N/A	No	N/A
23	Line	Line 23	N/A	9.00000	16.00000	114.00000	9.00000	17.50000	114.00000	1	N/A	N/A	No	N/A
24	Line	Line 24	N/A	9.00000	17.50000	114.00000	10.00000	17.50000	114.00000	1	N/A	N/A	No	N/A
25	Line	Line 25	N/A	10.00000	17.50000	114.00000	11.00000	18.50000	114.00000	1	N/A	N/A	No	N/A
26	Line	Line 26	N/A	11.00000	18.50000	114.00000	11.00000	20.00000	114.00000	1	N/A	N/A	No	N/A
27	Line	Line 27	N/A	11.00000	20.00000	114.00000	17.00000	20.00000	114.00000	6	N/A	N/A	No	N/A
28	Line	Line 28	N/A	17.00000	15.00000	114.00000	17.00000	20.00000	114.00000	5	N/A	N/A	No	N/A
29	Line	Line 29	N/A	11.00000	15.00000	114.00000	17.00000	15.00000	114.00000	6	N/A	N/A	No	N/A
30	Line	Line 30	N/A	17.00000	20.00000	116.00000	24.00000	20.00000	116.00000	7	N/A	N/A	No	N/A
31	Line	Line 31	N/A	24.00000	10.00000	116.00000	24.00000	20.00000	116.00000	10	N/A	N/A	No	N/A
32	Line	Line 32	N/A	14.00000	22.00000	114.50000	50.00000	26.00000	114.50000	18	N/A	N/A	No	N/A
33	Line	Line 33	N/A	-4.00000	20.00000	114.50000	12.00000	21.75000	114.50000	8	N/A	N/A	No	N/A
34	Line	Line 34	N/A	-14.00000	18.75000	114.50000	-8.00000	19.50000	114.50000	6	N/A	N/A	No	N/A
35	Line	Line 35	N/A	-14.00000	18.00000	116.00000	-9.00000	18.50000	116.00000	5	N/A	N/A	No	N/A
36	Line	Line 36	N/A	-9.00000	18.50000	116.00000	-5.50000	-9.50000	116.00000	14	N/A	N/A	No	N/A
37	Line	Line 37	N/A	-10.50000	-9.99500	116.00000	-5.50000	-9.50000	116.00000	5	N/A	N/A	No	N/A
38	Line	Line 38	N/A	-14.00000	18.00000	116.00000	-10.50000	-9.99500	116.00000	14	N/A	N/A	No	N/A
39	Line	Line 39	N/A	-5.50000	-10.00000	113.00000	5.50000	-49.00000	111.00000	20	N/A	N/A	Yes	No
40	Grid	Grid 1	Global X	-20.00000	-9.99500	117.00000	N/A	40.00000	117.00000	50	19.99500	20	No	N/A
41	Grid	Grid 2	Global X	0.00000	5.00500	117.00000	N/A	40.00000	117.00000	35	30.99500	31	No	N/A
42	Grid	Grid 3	Global X	31.00000	20.00500	117.00000	N/A	40.00000	117.00000	20	19.00000	19	No	N/A
43	Grid	Grid 4	Global X	0.00000	-10.00000	114.00000	N/A	5.00000	114.00000	15	31.00000	31	No	N/A
44	Grid	Grid 5	Global X	30.00000	-10.00000	114.00000	N/A	20.00000	114.00000	30	20.00000	20	No	N/A
45	Grid	Grid 6	Global X	-20.00000	-26.49500	114.00000	N/A	-10.00000	114.00000	16	70.00000	70	Yes	No
46	Grid	Grid 7	Global X	-20.00000	-34.49500	114.00000	N/A	-26.50000	114.00000	8	24.99500	25	Yes	No
47	Grid	Grid 8	Global X	5.00000	-34.50000	112.00000	N/A	-26.50000	112.00000	8	45.00000	45	Yes	No
48	Grid	Grid 9	Global X	-20.00000	-50.00000	112.00000	N/A	-34.50000	112.00000	15	70.00000	70	Yes	No

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Horizontal rigid boundary level: 60.00 [m OD]

The maximum displacement difference between the Boussinesq method (-8.9398mm) and the Mindlin method (-6.4332mm) occurs at point X = 8.00000m, Y = -26.49500m, level = 114.00mOD, and is 2.5065mm.

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
East Extension	23.81856	15.81773	114.00000	-0.024007	113.60	0.0	0.0	0.0
East Extension	27.00000	6.14493	114.00000	-0.052706	113.60	0.0	0.0	0.0
South Extension	10.32783	-6.72288	113.00000	-0.35265	112.75	0.0	0.0	0.0
Pavilion	8.88752	-26.39877	110.50000	-8.9440	110.25	-34.998	-80.765	-646.10E-6
L-Shaped RC Underpin for East Extension	26.37500	22.12500	113.85000	-0.011586	113.37	0.0	0.0	0.0
RC Underpin of	20.75000	19.50000	113.85000	-0.018130	113.37	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
Wall 30								
RC Underpin between Wall 27 & 29	16.00000	13.50000	113.85000	-0.036808	113.37	0.0	0.0	0.0
RC Underpin of Wall 31	24.00000	14.50000	113.85000	-0.027153	113.37	0.0	0.0	0.0
Pad 6	19.00000	13.00000	113.85000	-0.036417	113.37	0.0	0.0	0.0
Pad 1 - A	24.00000	4.00000	113.85000	-0.073807	113.43	0.0	0.0	0.0
Pad 2 - A	25.00000	2.00000	113.85000	-0.084935	113.43	0.0	0.0	0.0
Pad 2 - B	29.00000	2.00000	113.85000	-0.068437	113.43	0.0	0.0	0.0
Pad 5 - A	7.00000	-0.50000	112.60000	-0.16743	112.34	0.0	0.0	0.0
Pad 5 - B	3.00000	-4.00000	112.60000	-0.23027	112.34	0.0	0.0	0.0
Pad 5 - C	3.00000	-7.50000	112.60000	-0.34682	112.34	0.0	0.0	0.0
Pad 5 - D	3.00000	-11.50000	112.60000	-0.57757	112.34	0.0	0.0	0.0
Pad 5 - E	7.00000	-15.00000	112.60000	-1.1391	112.34	0.0	0.0	0.0
Pad 5 - F	10.00000	-15.00000	112.60000	-1.1807	112.34	0.0	0.0	0.0
Pad 5 - G	16.00000	-15.00000	112.60000	-0.96640	112.34	0.0	0.0	0.0
Pad 4 - A	17.00000	-1.00000	112.60000	-0.15898	112.34	0.0	0.0	0.0
Pad 4 - B	17.00000	-4.00000	112.60000	-0.22075	112.34	0.0	0.0	0.0
Pad 4 - C	17.00000	-7.50000	112.60000	-0.33049	112.34	0.0	0.0	0.0
Pad 4 - D	17.00000	-11.50000	112.60000	-0.54578	112.34	0.0	0.0	0.0
Pad 3 - A	7.00000	-4.00000	112.60000	-0.24982	112.34	0.0	0.0	0.0
Pad 3 - B	7.00000	-7.50000	112.60000	-0.38361	112.34	0.0	0.0	0.0
Pad 3 - C	7.00000	-11.50000	112.60000	-0.66013	112.34	0.0	0.0	0.0
Pad 1 - B	30.00000	21.50000	113.85000	-0.010678	113.37	0.0	0.0	0.0
Pad 1 - C	30.00000	16.00000	113.85000	-0.018470	113.37	0.0	0.0	0.0
Pad 1 - D	30.00000	10.00000	113.85000	-0.032156	113.37	0.0	0.0	0.0
Pad 1 - E	30.00000	4.00000	113.85000	-0.054403	113.43	0.0	0.0	0.0
Line 39	-5.50000	-10.00000	113.00000	-0.27799	112.75	0.0	0.0	0.0
	-4.95000	-11.95000	112.90000	-0.35051	112.61	0.0	0.0	0.0
	-4.40000	-13.90000	112.80000	-0.44577	112.52	0.0	0.0	0.0
	-3.85000	-15.85000	112.70000	-0.57253	112.43	0.0	0.0	0.0
	-3.30000	-17.80000	112.60000	-0.74309	112.34	0.0	0.0	0.0
	-2.75000	-19.75000	112.50000	-0.97303	112.25	0.0	0.0	0.0
	-2.20000	-21.70000	112.40000	-1.2749	112.16	0.0	0.0	0.0
	-1.65000	-23.65000	112.30000	-1.6368	112.01	0.0	0.0	0.0
	-1.10000	-25.60000	112.20000	-2.0064	111.93	0.0	0.0	0.0
	-0.55000	-27.55000	112.10000	-2.3083	111.84	0.0	0.0	0.0
	0.00000	-29.50000	112.00000	-2.4032	111.75	0.0	0.0	0.0
	0.55000	-31.45000	111.90000	-2.2170	111.66	0.0	0.0	0.0
	1.10000	-33.40000	111.80000	-1.8807	111.50	0.0	0.0	0.0
	1.65000	-35.35000	111.70000	-1.4909	111.35	0.0	0.0	0.0
	2.20000	-37.30000	111.60000	-1.1343	111.30	0.0	0.0	0.0
	2.75000	-39.25000	111.50000	-0.85714	111.25	0.0	0.0	0.0
	3.30000	-41.20000	111.40000	-0.65357	111.20	0.0	0.0	0.0
	3.85000	-43.15000	111.30000	-0.50444	111.15	0.0	0.0	0.0
	4.40000	-45.10000	111.20000	-0.39383	111.10	0.0	0.0	0.0
	4.95000	-47.05000	111.10000	-0.31055	111.05	0.0	0.0	0.0
	5.50000	-49.00000	111.00000	-0.24694	110.92	0.0	0.0	0.0
Grid 6	-20.00000	-26.49500	114.00000	-0.12974	113.75	0.0	0.0	0.0
	-19.00000	-26.49500	114.00000	-0.14491	113.75	0.0	0.0	0.0
	-18.00000	-26.49500	114.00000	-0.16210	113.75	0.0	0.0	0.0
	-17.00000	-26.49500	114.00000	-0.18166	113.75	0.0	0.0	0.0
	-16.00000	-26.49500	114.00000	-0.20399	113.75	0.0	0.0	0.0
	-15.00000	-26.49500	114.00000	-0.22959	113.75	0.0	0.0	0.0
	-14.00000	-26.49500	114.00000	-0.25905	113.75	0.0	0.0	0.0
	-13.00000	-26.49500	114.00000	-0.29314	113.75	0.0	0.0	0.0
	-12.00000	-26.49500	114.00000	-0.33279	113.75	0.0	0.0	0.0
	-11.00000	-26.49500	114.00000	-0.37919	113.75	0.0	0.0	0.0
	-10.00000	-26.49500	114.00000	-0.43387	113.75	0.0	0.0	0.0
	-9.00000	-26.49500	114.00000	-0.49880	113.75	0.0	0.0	0.0
	-8.00000	-26.49500	114.00000	-0.57658	113.75	0.0	0.0	0.0
	-7.00000	-26.49500	114.00000	-0.67069	113.75	0.0	0.0	0.0
	-6.00000	-26.49500	114.00000	-0.78589	113.75	0.0	0.0	0.0
	-5.00000	-26.49500	114.00000	-0.92889	113.75	0.0	0.0	0.0
	-4.00000	-26.49500	114.00000	-1.1094	113.75	0.0	0.0	0.0
	-3.00000	-26.49500	114.00000	-1.3423	113.75	0.0	0.0	0.0
	-2.00000	-26.49500	114.00000	-1.6514	113.75	0.0	0.0	0.0
	-1.00000	-26.49500	114.00000	-2.0791	113.75	0.0	0.0	0.0
	0.00000	-26.49500	114.00000	-2.7115	113.75	0.0	0.0	0.0
	1.00000	-26.49500	114.00000	-3.7910	113.75	0.0	0.0	0.0
	2.00000	-26.49500	114.00000	-5.9657	113.75	0.0	0.0	0.0
	3.00000	-26.49500	114.00000	-7.2245	113.75	0.0	0.0	0.0
	4.00000	-26.49500	114.00000	-7.9404	113.75	0.0	0.0	0.0
	5.00000	-26.49500	114.00000	-8.3949	113.75	0.0	0.0	0.0
	6.00000	-26.49500	114.00000	-8.6861	113.75	0.0	0.0	0.0
	7.00000	-26.49500	114.00000	-8.8594	113.75	0.0	0.0	0.0
	8.00000	-26.49500	114.00000	-8.9398	113.75	0.0	0.0	0.0
	9.00000	-26.49500	114.00000	-8.9415	113.75	0.0	0.0	0.0
	10.00000	-26.49500	114.00000	-8.8713	113.75	0.0	0.0	0.0
	11.00000	-26.49500	114.00000	-8.7301	113.75	0.0	0.0	0.0
	12.00000	-26.49500	114.00000	-8.5132	113.75	0.0	0.0	0.0
	13.00000	-26.49500	114.00000	-8.2109	113.75	0.0	0.0	0.0
	14.00000	-26.49500	114.00000	-7.8076	113.75	0.0	0.0	0.0
	15.00000	-26.49500	114.00000	-7.2788	113.75	0.0	0.0	0.0
	16.00000	-26.49500	114.00000	-6.5839	113.75	0.0	0.0	0.0
	17.00000	-26.49500	114.00000	-5.6432	113.75	0.0	0.0	0.0
	18.00000	-26.49500	114.00000	-4.2693	113.75	0.0	0.0	0.0
	19.00000	-26.49500	114.00000	-2.5149	113.75	0.0	0.0	0.0
	20.00000	-26.49500	114.00000	-1.8332	113.75	0.0	0.0	0.0
	21.00000	-26.49500	114.00000	-1.4346	113.75	0.0	0.0	0.0
	22.00000	-26.49500	114.00000	-1.1605	113.75	0.0	0.0	0.0
	23.00000	-26.49500	114.00000	-0.95849	113.75	0.0	0.0	0.0
	24.00000	-26.49500	114.00000	-0.80339	113.75	0.0	0.0	0.0
	25.00000	-26.49500	114.00000	-0.68102	113.75	0.0	0.0	0.0
	26.00000	-26.49500	114.00000	-0.58252	113.75	0.0	0.0	0.0
	27.00000	-26.49500	114.00000	-0.50199	113.75	0.0	0.0	0.0
	28.00000	-26.49500	114.00000	-0.43531	113.75	0.0	0.0	0.0
	29.00000	-26.49500	114.00000	-0.37953	113.75	0.0	0.0	0.0
	30.00000	-26.49500	114.00000	-0.33242	113.75	0.0	0.0	0.0
	31.00000	-26.49500	114.00000	-0.29234	113.75	0.0	0.0	0.0
	32.00000	-26.49500	114.00000	-0.25800	113.75	0.0	0.0	0.0
	33.00000	-26.49500	114.00000	-0.22840	113.75	0.0	0.0	0.0
	34.00000	-26.49500	114.00000	-0.20274	113.75	0.0	0.0	0.0
	35.00000	-26.49500	114.00000	-0.18040	113.75	0.0	0.0	0.0
	36.00000	-26.49500	114.00000	-0.16087	113.75	0.0	0.0	0.0
	37.00000	-26.49500	114.00000	-0.14372	113.75	0.0	0.0	0.0
	38.00000	-26.49500	114.00000	-0.12861	113.75	0.0	0.0	0.0
	39.00000	-26.49500	114.00000	-0.11526	113.75	0.0	0.0	0.0
	40.00000	-26.49500	114.00000	-0.10342	113.75	0.0	0.0	0.0
	41.00000	-26.49500	114.00000	-0.092911	113.75	0.0	0.0	0.0
	42.00000	-26.49500	114.00000	-0.083548	113.75	0.0	0.0	0.0
	43.00000	-26.49500	114.00000	-0.075191	113.75	0.0	0.0	0.0
	44.00000	-26.49500	114.00000	-0.067718	113.75	0.0	0.0	0.0
	45.00000	-26.49500	114.00000	-0.061024	113.75	0.0	0.0	0.0
	46.00000	-26.49500	114.00000	-0.055017	113.75	0.0	0.0	0.0
	47.00000	-26.49500	114.00000	-0.049619	113.75	0.0	0.0	0.0
	48.00000	-26.49500	114.00000	-0.044761	113.75	0.0	0.0	0.0
	49.00000	-26.49500	114.00000	-0.040384	113.75	0.0	0.0	0.0
	50.00000	-26.49500	114.00000	-0.036435	113.75	0.0	0.0	0.0
	-20.00000	-25.46406	114.00000	-0.12937	113.75	0.0	0.0	0.0
	-19.00000	-25.46406	114.00000	-0.14447	113.75	0.0	0.0	0.0
	-18.00000	-25.46406	114.00000	-0.16159	113.75	0.0	0.0	0.0
	-17.00000	-25.46406	114.00000	-0.18105	113.75	0.0	0.0	0.0
	-16.00000	-25.46406	114.00000	-0.20327	113.75	0.0	0.0	0.0
	-15.00000	-25.46406	114.00000	-0.22872	113.75	0.0	0.0	0.0
	-14.00000	-25.46406	114.00000	-0.25800	113.75	0.0	0.0	0.0
	-13.00000	-25.46406	114.00000	-0.29186	113.75	0.0	0.0	0.0
	-12.00000	-25.46406	114.00000	-0.33123	113.75	0.0	0.0	0.0
	-11.00000	-25.46406	114.00000	-0.37728	113.75	0.0	0.0	0.0

Oasys

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	Date	Checked

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-10.00000	-25.46406	114.00000	-0.43149	113.75	0.0	0.0	0.0
	-9.00000	-25.46406	114.00000	-0.49583	113.75	0.0	0.0	0.0
	-8.00000	-25.46406	114.00000	-0.57282	113.75	0.0	0.0	0.0
	-7.00000	-25.46406	114.00000	-0.66589	113.75	0.0	0.0	0.0
	-6.00000	-25.46406	114.00000	-0.77970	113.75	0.0	0.0	0.0
	-5.00000	-25.46406	114.00000	-0.92080	113.75	0.0	0.0	0.0
	-4.00000	-25.46406	114.00000	-1.0987	113.75	0.0	0.0	0.0
	-3.00000	-25.46406	114.00000	-1.3277	113.75	0.0	0.0	0.0
	-2.00000	-25.46406	114.00000	-1.6310	113.75	0.0	0.0	0.0
	-1.00000	-25.46406	114.00000	-2.0488	113.75	0.0	0.0	0.0
	0.00000	-25.46406	114.00000	-2.6617	113.75	0.0	0.0	0.0
	1.00000	-25.46406	114.00000	-3.6758	113.75	0.0	0.0	0.0
	2.00000	-25.46406	114.00000	-5.5674	113.75	0.0	0.0	0.0
	3.00000	-25.46406	114.00000	-7.1230	113.75	0.0	0.0	0.0
	4.00000	-25.46406	114.00000	-7.8441	113.75	0.0	0.0	0.0
	5.00000	-25.46406	114.00000	-8.2907	113.75	0.0	0.0	0.0
	6.00000	-25.46406	114.00000	-8.5757	113.75	0.0	0.0	0.0
	7.00000	-25.46406	114.00000	-8.7491	113.75	0.0	0.0	0.0
	8.00000	-25.46406	114.00000	-8.8382	113.75	0.0	0.0	0.0
	9.00000	-25.46406	114.00000	-8.8591	113.75	0.0	0.0	0.0
	10.00000	-25.46406	114.00000	-8.8189	113.75	0.0	0.0	0.0
	11.00000	-25.46406	114.00000	-8.7168	113.75	0.0	0.0	0.0
	12.00000	-25.46406	114.00000	-8.5457	113.75	0.0	0.0	0.0
	13.00000	-25.46406	114.00000	-8.2929	113.75	0.0	0.0	0.0
	14.00000	-25.46406	114.00000	-7.9388	113.75	0.0	0.0	0.0
	15.00000	-25.46406	114.00000	-7.4543	113.75	0.0	0.0	0.0
	16.00000	-25.46406	114.00000	-6.7882	113.75	0.0	0.0	0.0
	17.00000	-25.46406	114.00000	-5.8145	113.75	0.0	0.0	0.0
	18.00000	-25.46406	114.00000	-3.9464	113.75	0.0	0.0	0.0
	19.00000	-25.46406	114.00000	-2.5298	113.75	0.0	0.0	0.0
	20.00000	-25.46406	114.00000	-1.8602	113.75	0.0	0.0	0.0
	21.00000	-25.46406	114.00000	-1.4525	113.75	0.0	0.0	0.0
	22.00000	-25.46406	114.00000	-1.1721	113.75	0.0	0.0	0.0
	23.00000	-25.46406	114.00000	-0.96615	113.75	0.0	0.0	0.0
	24.00000	-25.46406	114.00000	-0.80856	113.75	0.0	0.0	0.0
	25.00000	-25.46406	114.00000	-0.68458	113.75	0.0	0.0	0.0
	26.00000	-25.46406	114.00000	-0.58501	113.75	0.0	0.0	0.0
	27.00000	-25.46406	114.00000	-0.50377	113.75	0.0	0.0	0.0
	28.00000	-25.46406	114.00000	-0.43660	113.75	0.0	0.0	0.0
	29.00000	-25.46406	114.00000	-0.38047	113.75	0.0	0.0	0.0
	30.00000	-25.46406	114.00000	-0.33312	113.75	0.0	0.0	0.0
	31.00000	-25.46406	114.00000	-0.29286	113.75	0.0	0.0	0.0
	32.00000	-25.46406	114.00000	-0.25839	113.75	0.0	0.0	0.0
	33.00000	-25.46406	114.00000	-0.22869	113.75	0.0	0.0	0.0
	34.00000	-25.46406	114.00000	-0.20297	113.75	0.0	0.0	0.0
	35.00000	-25.46406	114.00000	-0.18058	113.75	0.0	0.0	0.0
	36.00000	-25.46406	114.00000	-0.16100	113.75	0.0	0.0	0.0
	37.00000	-25.46406	114.00000	-0.14382	113.75	0.0	0.0	0.0
	38.00000	-25.46406	114.00000	-0.12869	113.75	0.0	0.0	0.0
	39.00000	-25.46406	114.00000	-0.11532	113.75	0.0	0.0	0.0
	40.00000	-25.46406	114.00000	-0.10347	113.75	0.0	0.0	0.0
	41.00000	-25.46406	114.00000	-0.092949	113.75	0.0	0.0	0.0
	42.00000	-25.46406	114.00000	-0.083577	113.75	0.0	0.0	0.0
	43.00000	-25.46406	114.00000	-0.075214	113.75	0.0	0.0	0.0
	44.00000	-25.46406	114.00000	-0.067736	113.75	0.0	0.0	0.0
	45.00000	-25.46406	114.00000	-0.061038	113.75	0.0	0.0	0.0
	46.00000	-25.46406	114.00000	-0.055028	113.75	0.0	0.0	0.0
	47.00000	-25.46406	114.00000	-0.049627	113.75	0.0	0.0	0.0
	48.00000	-25.46406	114.00000	-0.044767	113.75	0.0	0.0	0.0
	49.00000	-25.46406	114.00000	-0.040389	113.75	0.0	0.0	0.0
	50.00000	-25.46406	114.00000	-0.036439	113.75	0.0	0.0	0.0
	-20.00000	-24.43313	114.00000	-0.12847	113.75	0.0	0.0	0.0
	-19.00000	-24.43313	114.00000	-0.14342	113.75	0.0	0.0	0.0
	-18.00000	-24.43313	114.00000	-0.16034	113.75	0.0	0.0	0.0
	-17.00000	-24.43313	114.00000	-0.17958	113.75	0.0	0.0	0.0
	-16.00000	-24.43313	114.00000	-0.20151	113.75	0.0	0.0	0.0
	-15.00000	-24.43313	114.00000	-0.22661	113.75	0.0	0.0	0.0
	-14.00000	-24.43313	114.00000	-0.25547	113.75	0.0	0.0	0.0
	-13.00000	-24.43313	114.00000	-0.28879	113.75	0.0	0.0	0.0
	-12.00000	-24.43313	114.00000	-0.32748	113.75	0.0	0.0	0.0
	-11.00000	-24.43313	114.00000	-0.37266	113.75	0.0	0.0	0.0
	-10.00000	-24.43313	114.00000	-0.42576	113.75	0.0	0.0	0.0
	-9.00000	-24.43313	114.00000	-0.48863	113.75	0.0	0.0	0.0
	-8.00000	-24.43313	114.00000	-0.56370	113.75	0.0	0.0	0.0
	-7.00000	-24.43313	114.00000	-0.65419	113.75	0.0	0.0	0.0
	-6.00000	-24.43313	114.00000	-0.76449	113.75	0.0	0.0	0.0
	-5.00000	-24.43313	114.00000	-0.90073	113.75	0.0	0.0	0.0
	-4.00000	-24.43313	114.00000	-1.0717	113.75	0.0	0.0	0.0
	-3.00000	-24.43313	114.00000	-1.2908	113.75	0.0	0.0	0.0
	-2.00000	-24.43313	114.00000	-1.5792	113.75	0.0	0.0	0.0
	-1.00000	-24.43313	114.00000	-1.9741	113.75	0.0	0.0	0.0
	0.00000	-24.43313	114.00000	-2.5501	113.75	0.0	0.0	0.0
	1.00000	-24.43313	114.00000	-3.5180	113.75	0.0	0.0	0.0
	2.00000	-24.43313	114.00000	-5.6140	113.75	0.0	0.0	0.0
	3.00000	-24.43313	114.00000	-6.9028	113.75	0.0	0.0	0.0
	4.00000	-24.43313	114.00000	-7.6069	113.75	0.0	0.0	0.0
	5.00000	-24.43313	114.00000	-8.0339	113.75	0.0	0.0	0.0
	6.00000	-24.43313	114.00000	-8.3024	113.75	0.0	0.0	0.0
	7.00000	-24.43313	114.00000	-8.4654	113.75	0.0	0.0	0.0
	8.00000	-24.43313	114.00000	-8.5525	113.75	0.0	0.0	0.0
	9.00000	-24.43313	114.00000	-8.5866	113.75	0.0	0.0	0.0
	10.00000	-24.43313	114.00000	-8.5752	113.75	0.0	0.0	0.0
	11.00000	-24.43313	114.00000	-8.5122	113.75	0.0	0.0	0.0
	12.00000	-24.43313	114.00000	-8.3851	113.75	0.0	0.0	0.0
	13.00000	-24.43313	114.00000	-8.1728	113.75	0.0	0.0	0.0
	14.00000	-24.43313	114.00000	-7.8452	113.75	0.0	0.0	0.0
	15.00000	-24.43313	114.00000	-7.3570	113.75	0.0	0.0	0.0
	16.00000	-24.43313	114.00000	-6.6203	113.75	0.0	0.0	0.0
	17.00000	-24.43313	114.00000	-5.3676	113.75	0.0	0.0	0.0
	18.00000	-24.43313	114.00000	-3.3475	113.75	0.0	0.0	0.0
	19.00000	-24.43313	114.00000	-2.3784	113.75	0.0	0.0	0.0
	20.00000	-24.43313	114.00000	-1.8063	113.75	0.0	0.0	0.0
	21.00000	-24.43313	114.00000	-1.4267	113.75	0.0	0.0	0.0
	22.00000	-24.43313	114.00000	-1.1571	113.75	0.0	0.0	0.0
	23.00000	-24.43313	114.00000	-0.95623	113.75	0.0	0.0	0.0
	24.00000	-24.43313	114.00000	-0.80149	113.75	0.0	0.0	0.0
	25.00000	-24.43313	114.00000	-0.67930	113.75	0.0	0.0	0.0
	26.00000	-24.43313	114.00000	-0.58094	113.75	0.0	0.0	0.0
	27.00000	-24.43313	114.00000	-0.50054	113.75	0.0	0.0	0.0
	28.00000	-24.43313	114.00000	-0.43401	113.75	0.0	0.0	0.0
	29.00000	-24.43313	114.00000	-0.37835	113.75	0.0	0.0	0.0
	30.00000	-24.43313	114.00000	-0.33138	113.75	0.0	0.0	0.0
	31.00000	-24.43313	114.00000	-0.29141	113.75	0.0	0.0	0.0
	32.00000	-24.43313	114.00000	-0.25718	113.75	0.0	0.0	0.0
	33.00000	-24.43313	114.00000	-0.22767	113.75	0.0	0.0	0.0
	34.00000	-24.43313	114.00000	-0.20210	113.75	0.0	0.0	0.0
	35.00000	-24.43313	114.00000	-0.17984	113.75	0.0	0.0	0.0
	36.00000	-24.43313	114.00000	-0.16037	113.75	0.0	0.0	0.0
	37.00000	-24.43313	114.00000	-0.14328	113.75	0.0	0.0	0.0
	38.00000	-24.43313	114.00000	-0.12822	113.75	0.0	0.0	0.0
	39.00000	-24.43313	114.00000	-0.11491	113.75	0.0	0.0	0.0
	40.00000	-24.43313	114.00000	-0.10312	113.75	0.0	0.0	0.0
	41.00000	-24.43313	114.00000	-0.092643	113.75	0.0	0.0	0.0
	42.00000	-24.43313	114.00000	-0.083311	113.75	0.0	0.0	0.0
	43.00000	-24.43313	114.00000	-0.074981	113.75	0.0	0.0	0.0
	44.00000	-24.43313	114.00000	-0.067532	113.75	0.0	0.0	0.0
	45.00000	-24.43313	114.00000	-0.060859	113.75	0.0	0.0	0.0
	46.00000	-24.43313	114.00000	-0.054870	113.75	0.0	0.0	0.0
	47.00000	-24.43313	114.00000	-0.049488	113.75	0.0	0.0	0.0
	48.00000	-24.43313	114.00000	-0.044645	113.75	0.0	0.0	0.0

Oasys

Job No.	Sheet No.	Rev.
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Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	49.00000	-24.43313	114.00000	-0.040281	113.75	0.0	0.0	0.0
	50.00000	-24.43313	114.00000	-0.036343	113.75	0.0	0.0	0.0
	-20.00000	-23.40219	114.00000	-0.12706	113.75	0.0	0.0	0.0
	-19.00000	-23.40219	114.00000	-0.14176	113.75	0.0	0.0	0.0
	-18.00000	-23.40219	114.00000	-0.15839	113.75	0.0	0.0	0.0
	-17.00000	-23.40219	114.00000	-0.17727	113.75	0.0	0.0	0.0
	-16.00000	-23.40219	114.00000	-0.19876	113.75	0.0	0.0	0.0
	-15.00000	-23.40219	114.00000	-0.22333	113.75	0.0	0.0	0.0
	-14.00000	-23.40219	114.00000	-0.25152	113.75	0.0	0.0	0.0
	-13.00000	-23.40219	114.00000	-0.28401	113.75	0.0	0.0	0.0
	-12.00000	-23.40219	114.00000	-0.32165	113.75	0.0	0.0	0.0
	-11.00000	-23.40219	114.00000	-0.36549	113.75	0.0	0.0	0.0
	-10.00000	-23.40219	114.00000	-0.41686	113.75	0.0	0.0	0.0
	-9.00000	-23.40219	114.00000	-0.47750	113.75	0.0	0.0	0.0
	-8.00000	-23.40219	114.00000	-0.54961	113.75	0.0	0.0	0.0
	-7.00000	-23.40219	114.00000	-0.63614	113.75	0.0	0.0	0.0
	-6.00000	-23.40219	114.00000	-0.74105	113.75	0.0	0.0	0.0
	-5.00000	-23.40219	114.00000	-0.86982	113.75	0.0	0.0	0.0
	-4.00000	-23.40219	114.00000	-1.0302	113.75	0.0	0.0	0.0
	-3.00000	-23.40219	114.00000	-1.2340	113.75	0.0	0.0	0.0
	-2.00000	-23.40219	114.00000	-1.4996	113.75	0.0	0.0	0.0
	-1.00000	-23.40219	114.00000	-1.8595	113.75	0.0	0.0	0.0
	0.00000	-23.40219	114.00000	-2.3794	113.75	0.0	0.0	0.0
	1.00000	-23.40219	114.00000	-3.2255	113.75	0.0	0.0	0.0
	2.00000	-23.40219	114.00000	-4.8042	113.75	0.0	0.0	0.0
	3.00000	-23.40219	114.00000	-6.5079	113.75	0.0	0.0	0.0
	4.00000	-23.40219	114.00000	-7.1861	113.75	0.0	0.0	0.0
	5.00000	-23.40219	114.00000	-7.5671	113.75	0.0	0.0	0.0
	6.00000	-23.40219	114.00000	-7.8016	113.75	0.0	0.0	0.0
	7.00000	-23.40219	114.00000	-7.9391	113.75	0.0	0.0	0.0
	8.00000	-23.40219	114.00000	-7.9942	113.75	0.0	0.0	0.0
	9.00000	-23.40219	114.00000	-8.0393	113.75	0.0	0.0	0.0
	10.00000	-23.40219	114.00000	-8.0738	113.75	0.0	0.0	0.0
	11.00000	-23.40219	114.00000	-8.0666	113.75	0.0	0.0	0.0
	12.00000	-23.40219	114.00000	-8.0047	113.75	0.0	0.0	0.0
	13.00000	-23.40219	114.00000	-7.8477	113.75	0.0	0.0	0.0
	14.00000	-23.40219	114.00000	-7.5444	113.75	0.0	0.0	0.0
	15.00000	-23.40219	114.00000	-7.0213	113.75	0.0	0.0	0.0
	16.00000	-23.40219	114.00000	-6.1101	113.75	0.0	0.0	0.0
	17.00000	-23.40219	114.00000	-4.1752	113.75	0.0	0.0	0.0
	18.00000	-23.40219	114.00000	-2.8972	113.75	0.0	0.0	0.0
	19.00000	-23.40219	114.00000	-2.1774	113.75	0.0	0.0	0.0
	20.00000	-23.40219	114.00000	-1.7021	113.75	0.0	0.0	0.0
	21.00000	-23.40219	114.00000	-1.3662	113.75	0.0	0.0	0.0
	22.00000	-23.40219	114.00000	-1.1186	113.75	0.0	0.0	0.0
	23.00000	-23.40219	114.00000	-0.93012	113.75	0.0	0.0	0.0
	24.00000	-23.40219	114.00000	-0.78288	113.75	0.0	0.0	0.0
	25.00000	-23.40219	114.00000	-0.66555	113.75	0.0	0.0	0.0
	26.00000	-23.40219	114.00000	-0.57051	113.75	0.0	0.0	0.0
	27.00000	-23.40219	114.00000	-0.49246	113.75	0.0	0.0	0.0
	28.00000	-23.40219	114.00000	-0.42763	113.75	0.0	0.0	0.0
	29.00000	-23.40219	114.00000	-0.37325	113.75	0.0	0.0	0.0
	30.00000	-23.40219	114.00000	-0.32725	113.75	0.0	0.0	0.0
	31.00000	-23.40219	114.00000	-0.28803	113.75	0.0	0.0	0.0
	32.00000	-23.40219	114.00000	-0.25439	113.75	0.0	0.0	0.0
	33.00000	-23.40219	114.00000	-0.22535	113.75	0.0	0.0	0.0
	34.00000	-23.40219	114.00000	-0.20016	113.75	0.0	0.0	0.0
	35.00000	-23.40219	114.00000	-0.17820	113.75	0.0	0.0	0.0
	36.00000	-23.40219	114.00000	-0.15898	113.75	0.0	0.0	0.0
	37.00000	-23.40219	114.00000	-0.14210	113.75	0.0	0.0	0.0
	38.00000	-23.40219	114.00000	-0.12721	113.75	0.0	0.0	0.0
	39.00000	-23.40219	114.00000	-0.11405	113.75	0.0	0.0	0.0
	40.00000	-23.40219	114.00000	-0.10237	113.75	0.0	0.0	0.0
	41.00000	-23.40219	114.00000	-0.091997	113.75	0.0	0.0	0.0
	42.00000	-23.40219	114.00000	-0.082751	113.75	0.0	0.0	0.0
	43.00000	-23.40219	114.00000	-0.074494	113.75	0.0	0.0	0.0
	44.00000	-23.40219	114.00000	-0.067108	113.75	0.0	0.0	0.0
	45.00000	-23.40219	114.00000	-0.060488	113.75	0.0	0.0	0.0
	46.00000	-23.40219	114.00000	-0.054545	113.75	0.0	0.0	0.0
	47.00000	-23.40219	114.00000	-0.049203	113.75	0.0	0.0	0.0
	48.00000	-23.40219	114.00000	-0.044394	113.75	0.0	0.0	0.0
	49.00000	-23.40219	114.00000	-0.040060	113.75	0.0	0.0	0.0
	50.00000	-23.40219	114.00000	-0.036148	113.75	0.0	0.0	0.0
	-20.00000	-22.37125	114.00000	-0.12515	113.75	0.0	0.0	0.0
	-19.00000	-22.37125	114.00000	-0.13953	113.75	0.0	0.0	0.0
	-18.00000	-22.37125	114.00000	-0.15577	113.75	0.0	0.0	0.0
	-17.00000	-22.37125	114.00000	-0.17417	113.75	0.0	0.0	0.0
	-16.00000	-22.37125	114.00000	-0.19509	113.75	0.0	0.0	0.0
	-15.00000	-22.37125	114.00000	-0.21894	113.75	0.0	0.0	0.0
	-14.00000	-22.37125	114.00000	-0.24625	113.75	0.0	0.0	0.0
	-13.00000	-22.37125	114.00000	-0.27765	113.75	0.0	0.0	0.0
	-12.00000	-22.37125	114.00000	-0.31391	113.75	0.0	0.0	0.0
	-11.00000	-22.37125	114.00000	-0.35600	113.75	0.0	0.0	0.0
	-10.00000	-22.37125	114.00000	-0.40513	113.75	0.0	0.0	0.0
	-9.00000	-22.37125	114.00000	-0.46286	113.75	0.0	0.0	0.0
	-8.00000	-22.37125	114.00000	-0.53114	113.75	0.0	0.0	0.0
	-7.00000	-22.37125	114.00000	-0.61257	113.75	0.0	0.0	0.0
	-6.00000	-22.37125	114.00000	-0.71058	113.75	0.0	0.0	0.0
	-5.00000	-22.37125	114.00000	-0.82982	113.75	0.0	0.0	0.0
	-4.00000	-22.37125	114.00000	-0.97680	113.75	0.0	0.0	0.0
	-3.00000	-22.37125	114.00000	-1.1611	113.75	0.0	0.0	0.0
	-2.00000	-22.37125	114.00000	-1.3975	113.75	0.0	0.0	0.0
	-1.00000	-22.37125	114.00000	-1.7116	113.75	0.0	0.0	0.0
	0.00000	-22.37125	114.00000	-2.1556	113.75	0.0	0.0	0.0
	1.00000	-22.37125	114.00000	-2.8851	113.75	0.0	0.0	0.0
	2.00000	-22.37125	114.00000	-4.6721	113.75	0.0	0.0	0.0
	3.00000	-22.37125	114.00000	-5.8565	113.75	0.0	0.0	0.0
	4.00000	-22.37125	114.00000	-6.4776	113.75	0.0	0.0	0.0
	5.00000	-22.37125	114.00000	-6.7018	113.75	0.0	0.0	0.0
	6.00000	-22.37125	114.00000	-6.8797	113.75	0.0	0.0	0.0
	7.00000	-22.37125	114.00000	-7.0204	113.75	0.0	0.0	0.0
	8.00000	-22.37125	114.00000	-6.7522	113.75	0.0	0.0	0.0
	9.00000	-22.37125	114.00000	-6.9349	113.75	0.0	0.0	0.0
	10.00000	-22.37125	114.00000	-7.1243	113.75	0.0	0.0	0.0
	11.00000	-22.37125	114.00000	-7.2048	113.75	0.0	0.0	0.0
	12.00000	-22.37125	114.00000	-7.3118	113.75	0.0	0.0	0.0
	13.00000	-22.37125	114.00000	-7.2771	113.75	0.0	0.0	0.0
	14.00000	-22.37125	114.00000	-7.0244	113.75	0.0	0.0	0.0
	15.00000	-22.37125	114.00000	-6.4370	113.75	0.0	0.0	0.0
	16.00000	-22.37125	114.00000	-5.1157	113.75	0.0	0.0	0.0
	17.00000	-22.37125	114.00000	-3.3562	113.75	0.0	0.0	0.0
	18.00000	-22.37125	114.00000	-2.5083	113.75	0.0	0.0	0.0
	19.00000	-22.37125	114.00000	-1.9599	113.75	0.0	0.0	0.0
	20.00000	-22.37125	114.00000	-1.5709	113.75	0.0	0.0	0.0
	21.00000	-22.37125	114.00000	-1.2824	113.75	0.0	0.0	0.0
	22.00000	-22.37125	114.00000	-1.0624	113.75	0.0	0.0	0.0
	23.00000	-22.37125	114.00000	-0.89074	113.75	0.0	0.0	0.0
	24.00000	-22.37125	114.00000	-0.75437	113.75	0.0	0.0	0.0
	25.00000	-22.37125	114.00000	-0.64433	113.75	0.0	0.0	0.0
	26.00000	-22.37125	114.00000	-0.55434	113.75	0.0	0.0	0.0
	27.00000	-22.37125	114.00000	-0.47992	113.75	0.0	0.0	0.0
	28.00000	-22.37125	114.00000	-0.41775	113.75	0.0	0.0	0.0
	29.00000	-22.37125	114.00000	-0.36536	113.75	0.0	0.0	0.0
	30.00000	-22.37125	114.00000	-0.32087	113.75	0.0	0.0	0.0
	31.00000	-22.37125	114.00000	-0.28283	113.75	0.0	0.0	0.0
	32.00000	-22.37125	114.00000	-0.25010	113.75	0.0	0.0	0.0
	33.00000	-22.37125	114.00000	-0.22180	113.75	0.0	0.0	0.0
	34.00000	-22.37125	114.00000	-0.19719	113.75	0.0	0.0	0.0
	35.00000	-22.37125	114.00000	-0.17570	113.75	0.0	0.0	0.0
	36.00000	-22.37125	114.00000	-0.15687	113.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	37.00000	-22.37125	114.00000	-0.14030	113.75	0.0	0.0	0.0
	38.00000	-22.37125	114.00000	-0.12568	113.75	0.0	0.0	0.0
	39.00000	-22.37125	114.00000	-0.11273	113.75	0.0	0.0	0.0
	40.00000	-22.37125	114.00000	-0.10124	113.75	0.0	0.0	0.0
	41.00000	-22.37125	114.00000	-0.091021	113.75	0.0	0.0	0.0
	42.00000	-22.37125	114.00000	-0.081905	113.75	0.0	0.0	0.0
	43.00000	-22.37125	114.00000	-0.073760	113.75	0.0	0.0	0.0
	44.00000	-22.37125	114.00000	-0.066468	113.75	0.0	0.0	0.0
	45.00000	-22.37125	114.00000	-0.059929	113.75	0.0	0.0	0.0
	46.00000	-22.37125	114.00000	-0.054056	113.75	0.0	0.0	0.0
	47.00000	-22.37125	114.00000	-0.048774	113.75	0.0	0.0	0.0
	48.00000	-22.37125	114.00000	-0.044017	113.75	0.0	0.0	0.0
	49.00000	-22.37125	114.00000	-0.039728	113.75	0.0	0.0	0.0
	50.00000	-22.37125	114.00000	-0.035856	113.75	0.0	0.0	0.0
	-20.00000	-21.34031	114.00000	-0.12279	113.75	0.0	0.0	0.0
	-19.00000	-21.34031	114.00000	-0.13677	113.75	0.0	0.0	0.0
	-18.00000	-21.34031	114.00000	-0.15253	113.75	0.0	0.0	0.0
	-17.00000	-21.34031	114.00000	-0.17035	113.75	0.0	0.0	0.0
	-16.00000	-21.34031	114.00000	-0.19056	113.75	0.0	0.0	0.0
	-15.00000	-21.34031	114.00000	-0.21356	113.75	0.0	0.0	0.0
	-14.00000	-21.34031	114.00000	-0.23980	113.75	0.0	0.0	0.0
	-13.00000	-21.34031	114.00000	-0.26988	113.75	0.0	0.0	0.0
	-12.00000	-21.34031	114.00000	-0.30449	113.75	0.0	0.0	0.0
	-11.00000	-21.34031	114.00000	-0.34449	113.75	0.0	0.0	0.0
	-10.00000	-21.34031	114.00000	-0.39097	113.75	0.0	0.0	0.0
	-9.00000	-21.34031	114.00000	-0.44525	113.75	0.0	0.0	0.0
	-8.00000	-21.34031	114.00000	-0.50905	113.75	0.0	0.0	0.0
	-7.00000	-21.34031	114.00000	-0.58455	113.75	0.0	0.0	0.0
	-6.00000	-21.34031	114.00000	-0.67458	113.75	0.0	0.0	0.0
	-5.00000	-21.34031	114.00000	-0.78289	113.75	0.0	0.0	0.0
	-4.00000	-21.34031	114.00000	-0.91460	113.75	0.0	0.0	0.0
	-3.00000	-21.34031	114.00000	-1.0769	113.75	0.0	0.0	0.0
	-2.00000	-21.34031	114.00000	-1.2803	113.75	0.0	0.0	0.0
	-1.00000	-21.34031	114.00000	-1.5420	113.75	0.0	0.0	0.0
	0.00000	-21.34031	114.00000	-1.8925	113.75	0.0	0.0	0.0
	1.00000	-21.34031	114.00000	-2.3970	113.75	0.0	0.0	0.0
	2.00000	-21.34031	114.00000	-3.1604	113.75	0.0	0.0	0.0
	3.00000	-21.34031	114.00000	-4.2366	113.75	0.0	0.0	0.0
	4.00000	-21.34031	114.00000	-5.2487	113.75	0.0	0.0	0.0
	5.00000	-21.34031	114.00000	-4.8164	113.75	0.0	0.0	0.0
	6.00000	-21.34031	114.00000	-4.7880	113.75	0.0	0.0	0.0
	7.00000	-21.34031	114.00000	-5.4382	113.75	0.0	0.0	0.0
	8.00000	-21.34031	114.00000	-4.7280	113.75	0.0	0.0	0.0
	9.00000	-21.34031	114.00000	-4.7353	113.75	0.0	0.0	0.0
	10.00000	-21.34031	114.00000	-5.1688	113.75	0.0	0.0	0.0
	11.00000	-21.34031	114.00000	-5.1368	113.75	0.0	0.0	0.0
	12.00000	-21.34031	114.00000	-5.9929	113.75	0.0	0.0	0.0
	13.00000	-21.34031	114.00000	-6.3330	113.75	0.0	0.0	0.0
	14.00000	-21.34031	114.00000	-6.2310	113.75	0.0	0.0	0.0
	15.00000	-21.34031	114.00000	-5.5462	113.75	0.0	0.0	0.0
	16.00000	-21.34031	114.00000	-3.7432	113.75	0.0	0.0	0.0
	17.00000	-21.34031	114.00000	-2.7562	113.75	0.0	0.0	0.0
	18.00000	-21.34031	114.00000	-2.1611	113.75	0.0	0.0	0.0
	19.00000	-21.34031	114.00000	-1.7416	113.75	0.0	0.0	0.0
	20.00000	-21.34031	114.00000	-1.4275	113.75	0.0	0.0	0.0
	21.00000	-21.34031	114.00000	-1.1851	113.75	0.0	0.0	0.0
	22.00000	-21.34031	114.00000	-0.99421	113.75	0.0	0.0	0.0
	23.00000	-21.34031	114.00000	-0.84165	113.75	0.0	0.0	0.0
	24.00000	-21.34031	114.00000	-0.71813	113.75	0.0	0.0	0.0
	25.00000	-21.34031	114.00000	-0.61700	113.75	0.0	0.0	0.0
	26.00000	-21.34031	114.00000	-0.53336	113.75	0.0	0.0	0.0
	27.00000	-21.34031	114.00000	-0.46354	113.75	0.0	0.0	0.0
	28.00000	-21.34031	114.00000	-0.40479	113.75	0.0	0.0	0.0
	29.00000	-21.34031	114.00000	-0.35498	113.75	0.0	0.0	0.0
	30.00000	-21.34031	114.00000	-0.31247	113.75	0.0	0.0	0.0
	31.00000	-21.34031	114.00000	-0.27596	113.75	0.0	0.0	0.0
	32.00000	-21.34031	114.00000	-0.24444	113.75	0.0	0.0	0.0
	33.00000	-21.34031	114.00000	-0.21709	113.75	0.0	0.0	0.0
	34.00000	-21.34031	114.00000	-0.19326	113.75	0.0	0.0	0.0
	35.00000	-21.34031	114.00000	-0.17240	113.75	0.0	0.0	0.0
	36.00000	-21.34031	114.00000	-0.15407	113.75	0.0	0.0	0.0
	37.00000	-21.34031	114.00000	-0.13792	113.75	0.0	0.0	0.0
	38.00000	-21.34031	114.00000	-0.12365	113.75	0.0	0.0	0.0
	39.00000	-21.34031	114.00000	-0.11099	113.75	0.0	0.0	0.0
	40.00000	-21.34031	114.00000	-0.099747	113.75	0.0	0.0	0.0
	41.00000	-21.34031	114.00000	-0.089729	113.75	0.0	0.0	0.0
	42.00000	-21.34031	114.00000	-0.080786	113.75	0.0	0.0	0.0
	43.00000	-21.34031	114.00000	-0.072788	113.75	0.0	0.0	0.0
	44.00000	-21.34031	114.00000	-0.065621	113.75	0.0	0.0	0.0
	45.00000	-21.34031	114.00000	-0.059190	113.75	0.0	0.0	0.0
	46.00000	-21.34031	114.00000	-0.053410	113.75	0.0	0.0	0.0
	47.00000	-21.34031	114.00000	-0.048207	113.75	0.0	0.0	0.0
	48.00000	-21.34031	114.00000	-0.043519	113.75	0.0	0.0	0.0
	49.00000	-21.34031	114.00000	-0.039290	113.75	0.0	0.0	0.0
	50.00000	-21.34031	114.00000	-0.035470	113.75	0.0	0.0	0.0
	-20.00000	-20.30938	114.00000	-0.12002	113.75	0.0	0.0	0.0
	-19.00000	-20.30938	114.00000	-0.13353	113.75	0.0	0.0	0.0
	-18.00000	-20.30938	114.00000	-0.14873	113.75	0.0	0.0	0.0
	-17.00000	-20.30938	114.00000	-0.16589	113.75	0.0	0.0	0.0
	-16.00000	-20.30938	114.00000	-0.18529	113.75	0.0	0.0	0.0
	-15.00000	-20.30938	114.00000	-0.20729	113.75	0.0	0.0	0.0
	-14.00000	-20.30938	114.00000	-0.23232	113.75	0.0	0.0	0.0
	-13.00000	-20.30938	114.00000	-0.26090	113.75	0.0	0.0	0.0
	-12.00000	-20.30938	114.00000	-0.29365	113.75	0.0	0.0	0.0
	-11.00000	-20.30938	114.00000	-0.33131	113.75	0.0	0.0	0.0
	-10.00000	-20.30938	114.00000	-0.37481	113.75	0.0	0.0	0.0
	-9.00000	-20.30938	114.00000	-0.42530	113.75	0.0	0.0	0.0
	-8.00000	-20.30938	114.00000	-0.48418	113.75	0.0	0.0	0.0
	-7.00000	-20.30938	114.00000	-0.55323	113.75	0.0	0.0	0.0
	-6.00000	-20.30938	114.00000	-0.63469	113.75	0.0	0.0	0.0
	-5.00000	-20.30938	114.00000	-0.73143	113.75	0.0	0.0	0.0
	-4.00000	-20.30938	114.00000	-0.84716	113.75	0.0	0.0	0.0
	-3.00000	-20.30938	114.00000	-0.98680	113.75	0.0	0.0	0.0
	-2.00000	-20.30938	114.00000	-1.1570	113.75	0.0	0.0	0.0
	-1.00000	-20.30938	114.00000	-1.3670	113.75	0.0	0.0	0.0
	0.00000	-20.30938	114.00000	-1.6295	113.75	0.0	0.0	0.0
	1.00000	-20.30938	114.00000	-1.9589	113.75	0.0	0.0	0.0
	2.00000	-20.30938	114.00000	-2.3587	113.75	0.0	0.0	0.0
	3.00000	-20.30938	114.00000	-2.8031	113.75	0.0	0.0	0.0
	4.00000	-20.30938	114.00000	-3.2153	113.75	0.0	0.0	0.0
	5.00000	-20.30938	114.00000	-3.3176	113.75	0.0	0.0	0.0
	6.00000	-20.30938	114.00000	-3.3780	113.75	0.0	0.0	0.0
	7.00000	-20.30938	114.00000	-3.4757	113.75	0.0	0.0	0.0
	8.00000	-20.30938	114.00000	-3.4692	113.75	0.0	0.0	0.0
	9.00000	-20.30938	114.00000	-3.4903	113.75	0.0	0.0	0.0
	10.00000	-20.30938	114.00000	-3.5650	113.75	0.0	0.0	0.0
	11.00000	-20.30938	114.00000	-3.6737	113.75	0.0	0.0	0.0
	12.00000	-20.30938	114.00000	-3.9094	113.75	0.0	0.0	0.0
	13.00000	-20.30938	114.00000	-4.3981	113.75	0.0	0.0	0.0
	14.00000	-20.30938	114.00000	-4.9699	113.75	0.0	0.0	0.0
	15.00000	-20.30938	114.00000	-4.0783	113.75	0.0	0.0	0.0
	16.00000	-20.30938	114.00000	-2.8726	113.75	0.0	0.0	0.0
	17.00000	-20.30938	114.00000	-2.2677	113.75	0.0	0.0	0.0
	18.00000	-20.30938	114.00000	-1.8493	113.75	0.0	0.0	0.0
	19.00000	-20.30938	114.00000	-1.5319	113.75	0.0	0.0	0.0
	20.00000	-20.30938	114.00000	-1.2821	113.75	0.0	0.0	0.0
	21.00000	-20.30938	114.00000	-1.0819	113.75	0.0	0.0	0.0
	22.00000	-20.30938	114.00000	-0.91937	113.75	0.0	0.0	0.0
	23.00000	-20.30938	114.00000	-0.78631	113.75	0.0	0.0	0.0
	24.00000	-20.30938	114.00000	-0.67648	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	25.00000	-20.30938	114.00000	-0.58513	113.75	0.0	0.0	0.0
	26.00000	-20.30938	114.00000	-0.50860	113.75	0.0	0.0	0.0
	27.00000	-20.30938	114.00000	-0.44406	113.75	0.0	0.0	0.0
	28.00000	-20.30938	114.00000	-0.38927	113.75	0.0	0.0	0.0
	29.00000	-20.30938	114.00000	-0.34248	113.75	0.0	0.0	0.0
	30.00000	-20.30938	114.00000	-0.30230	113.75	0.0	0.0	0.0
	31.00000	-20.30938	114.00000	-0.26762	113.75	0.0	0.0	0.0
	32.00000	-20.30938	114.00000	-0.23755	113.75	0.0	0.0	0.0
	33.00000	-20.30938	114.00000	-0.21136	113.75	0.0	0.0	0.0
	34.00000	-20.30938	114.00000	-0.18845	113.75	0.0	0.0	0.0
	35.00000	-20.30938	114.00000	-0.16835	113.75	0.0	0.0	0.0
	36.00000	-20.30938	114.00000	-0.15065	113.75	0.0	0.0	0.0
	37.00000	-20.30938	114.00000	-0.13501	113.75	0.0	0.0	0.0
	38.00000	-20.30938	114.00000	-0.12116	113.75	0.0	0.0	0.0
	39.00000	-20.30938	114.00000	-0.10886	113.75	0.0	0.0	0.0
	40.00000	-20.30938	114.00000	-0.097906	113.75	0.0	0.0	0.0
	41.00000	-20.30938	114.00000	-0.088139	113.75	0.0	0.0	0.0
	42.00000	-20.30938	114.00000	-0.079408	113.75	0.0	0.0	0.0
	43.00000	-20.30938	114.00000	-0.071590	113.75	0.0	0.0	0.0
	44.00000	-20.30938	114.00000	-0.064578	113.75	0.0	0.0	0.0
	45.00000	-20.30938	114.00000	-0.058279	113.75	0.0	0.0	0.0
	46.00000	-20.30938	114.00000	-0.052612	113.75	0.0	0.0	0.0
	47.00000	-20.30938	114.00000	-0.047508	113.75	0.0	0.0	0.0
	48.00000	-20.30938	114.00000	-0.042905	113.75	0.0	0.0	0.0
	49.00000	-20.30938	114.00000	-0.038749	113.75	0.0	0.0	0.0
	50.00000	-20.30938	114.00000	-0.034993	113.75	0.0	0.0	0.0
	-20.00000	-19.27844	114.00000	-0.11687	113.75	0.0	0.0	0.0
	-19.00000	-19.27844	114.00000	-0.12986	113.75	0.0	0.0	0.0
	-18.00000	-19.27844	114.00000	-0.14444	113.75	0.0	0.0	0.0
	-17.00000	-19.27844	114.00000	-0.16085	113.75	0.0	0.0	0.0
	-16.00000	-19.27844	114.00000	-0.17936	113.75	0.0	0.0	0.0
	-15.00000	-19.27844	114.00000	-0.20027	113.75	0.0	0.0	0.0
	-14.00000	-19.27844	114.00000	-0.22398	113.75	0.0	0.0	0.0
	-13.00000	-19.27844	114.00000	-0.25093	113.75	0.0	0.0	0.0
	-12.00000	-19.27844	114.00000	-0.28166	113.75	0.0	0.0	0.0
	-11.00000	-19.27844	114.00000	-0.31681	113.75	0.0	0.0	0.0
	-10.00000	-19.27844	114.00000	-0.35715	113.75	0.0	0.0	0.0
	-9.00000	-19.27844	114.00000	-0.40363	113.75	0.0	0.0	0.0
	-8.00000	-19.27844	114.00000	-0.45738	113.75	0.0	0.0	0.0
	-7.00000	-19.27844	114.00000	-0.51978	113.75	0.0	0.0	0.0
	-6.00000	-19.27844	114.00000	-0.59254	113.75	0.0	0.0	0.0
	-5.00000	-19.27844	114.00000	-0.67771	113.75	0.0	0.0	0.0
	-4.00000	-19.27844	114.00000	-0.77783	113.75	0.0	0.0	0.0
	-3.00000	-19.27844	114.00000	-0.89596	113.75	0.0	0.0	0.0
	-2.00000	-19.27844	114.00000	-1.0357	113.75	0.0	0.0	0.0
	-1.00000	-19.27844	114.00000	-1.2012	113.75	0.0	0.0	0.0
	0.00000	-19.27844	114.00000	-1.3961	113.75	0.0	0.0	0.0
	1.00000	-19.27844	114.00000	-1.6210	113.75	0.0	0.0	0.0
	2.00000	-19.27844	114.00000	-1.8682	113.75	0.0	0.0	0.0
	3.00000	-19.27844	114.00000	-2.1165	113.75	0.0	0.0	0.0
	4.00000	-19.27844	114.00000	-2.3283	113.75	0.0	0.0	0.0
	5.00000	-19.27844	114.00000	-2.4705	113.75	0.0	0.0	0.0
	6.00000	-19.27844	114.00000	-2.5654	113.75	0.0	0.0	0.0
	7.00000	-19.27844	114.00000	-2.6347	113.75	0.0	0.0	0.0
	8.00000	-19.27844	114.00000	-2.6781	113.75	0.0	0.0	0.0
	9.00000	-19.27844	114.00000	-2.7130	113.75	0.0	0.0	0.0
	10.00000	-19.27844	114.00000	-2.7529	113.75	0.0	0.0	0.0
	11.00000	-19.27844	114.00000	-2.8020	113.75	0.0	0.0	0.0
	12.00000	-19.27844	114.00000	-2.8671	113.75	0.0	0.0	0.0
	13.00000	-19.27844	114.00000	-2.9418	113.75	0.0	0.0	0.0
	14.00000	-19.27844	114.00000	-2.9716	113.75	0.0	0.0	0.0
	15.00000	-19.27844	114.00000	-2.6688	113.75	0.0	0.0	0.0
	16.00000	-19.27844	114.00000	-2.2207	113.75	0.0	0.0	0.0
	17.00000	-19.27844	114.00000	-1.8628	113.75	0.0	0.0	0.0
	18.00000	-19.27844	114.00000	-1.5742	113.75	0.0	0.0	0.0
	19.00000	-19.27844	114.00000	-1.3375	113.75	0.0	0.0	0.0
	20.00000	-19.27844	114.00000	-1.1415	113.75	0.0	0.0	0.0
	21.00000	-19.27844	114.00000	-0.97843	113.75	0.0	0.0	0.0
	22.00000	-19.27844	114.00000	-0.84213	113.75	0.0	0.0	0.0
	23.00000	-19.27844	114.00000	-0.72782	113.75	0.0	0.0	0.0
	24.00000	-19.27844	114.00000	-0.63159	113.75	0.0	0.0	0.0
	25.00000	-19.27844	114.00000	-0.55024	113.75	0.0	0.0	0.0
	26.00000	-19.27844	114.00000	-0.48117	113.75	0.0	0.0	0.0
	27.00000	-19.27844	114.00000	-0.42224	113.75	0.0	0.0	0.0
	28.00000	-19.27844	114.00000	-0.37175	113.75	0.0	0.0	0.0
	29.00000	-19.27844	114.00000	-0.32828	113.75	0.0	0.0	0.0
	30.00000	-19.27844	114.00000	-0.29069	113.75	0.0	0.0	0.0
	31.00000	-19.27844	114.00000	-0.25806	113.75	0.0	0.0	0.0
	32.00000	-19.27844	114.00000	-0.22961	113.75	0.0	0.0	0.0
	33.00000	-19.27844	114.00000	-0.20473	113.75	0.0	0.0	0.0
	34.00000	-19.27844	114.00000	-0.18289	113.75	0.0	0.0	0.0
	35.00000	-19.27844	114.00000	-0.16365	113.75	0.0	0.0	0.0
	36.00000	-19.27844	114.00000	-0.14666	113.75	0.0	0.0	0.0
	37.00000	-19.27844	114.00000	-0.13161	113.75	0.0	0.0	0.0
	38.00000	-19.27844	114.00000	-0.11825	113.75	0.0	0.0	0.0
	39.00000	-19.27844	114.00000	-0.10635	113.75	0.0	0.0	0.0
	40.00000	-19.27844	114.00000	-0.095750	113.75	0.0	0.0	0.0
	41.00000	-19.27844	114.00000	-0.086274	113.75	0.0	0.0	0.0
	42.00000	-19.27844	114.00000	-0.077790	113.75	0.0	0.0	0.0
	43.00000	-19.27844	114.00000	-0.070183	113.75	0.0	0.0	0.0
	44.00000	-19.27844	114.00000	-0.063351	113.75	0.0	0.0	0.0
	45.00000	-19.27844	114.00000	-0.057207	113.75	0.0	0.0	0.0
	46.00000	-19.27844	114.00000	-0.051673	113.75	0.0	0.0	0.0
	47.00000	-19.27844	114.00000	-0.046684	113.75	0.0	0.0	0.0
	48.00000	-19.27844	114.00000	-0.042180	113.75	0.0	0.0	0.0
	49.00000	-19.27844	114.00000	-0.038111	113.75	0.0	0.0	0.0
	50.00000	-19.27844	114.00000	-0.034430	113.75	0.0	0.0	0.0
	-20.00000	-18.24750	114.00000	-0.11339	113.75	0.0	0.0	0.0
	-19.00000	-18.24750	114.00000	-0.12582	113.75	0.0	0.0	0.0
	-18.00000	-18.24750	114.00000	-0.13973	113.75	0.0	0.0	0.0
	-17.00000	-18.24750	114.00000	-0.15534	113.75	0.0	0.0	0.0
	-16.00000	-18.24750	114.00000	-0.17289	113.75	0.0	0.0	0.0
	-15.00000	-18.24750	114.00000	-0.19265	113.75	0.0	0.0	0.0
	-14.00000	-18.24750	114.00000	-0.21495	113.75	0.0	0.0	0.0
	-13.00000	-18.24750	114.00000	-0.24018	113.75	0.0	0.0	0.0
	-12.00000	-18.24750	114.00000	-0.26880	113.75	0.0	0.0	0.0
	-11.00000	-18.24750	114.00000	-0.30135	113.75	0.0	0.0	0.0
	-10.00000	-18.24750	114.00000	-0.33845	113.75	0.0	0.0	0.0
	-9.00000	-18.24750	114.00000	-0.38085	113.75	0.0	0.0	0.0
	-8.00000	-18.24750	114.00000	-0.42946	113.75	0.0	0.0	0.0
	-7.00000	-18.24750	114.00000	-0.48529	113.75	0.0	0.0	0.0
	-6.00000	-18.24750	114.00000	-0.54959	113.75	0.0	0.0	0.0
	-5.00000	-18.24750	114.00000	-0.62375	113.75	0.0	0.0	0.0
	-4.00000	-18.24750	114.00000	-0.70938	113.75	0.0	0.0	0.0
	-3.00000	-18.24750	114.00000	-0.80821	113.75	0.0	0.0	0.0
	-2.00000	-18.24750	114.00000	-0.92193	113.75	0.0	0.0	0.0
	-1.00000	-18.24750	114.00000	-1.0519	113.75	0.0	0.0	0.0
	0.00000	-18.24750	114.00000	-1.1982	113.75	0.0	0.0	0.0
	1.00000	-18.24750	114.00000	-1.3584	113.75	0.0	0.0	0.0
	2.00000	-18.24750	114.00000	-1.5257	113.75	0.0	0.0	0.0
	3.00000	-18.24750	114.00000	-1.6881	113.75	0.0	0.0	0.0
	4.00000	-18.24750	114.00000	-1.8308	113.75	0.0	0.0	0.0
	5.00000	-18.24750	114.00000	-1.9439	113.75	0.0	0.0	0.0
	6.00000	-18.24750	114.00000	-2.0287	113.75	0.0	0.0	0.0
	7.00000	-18.24750	114.00000	-2.0908	113.75	0.0	0.0	0.0
	8.00000	-18.24750	114.00000	-2.1348	113.75	0.0	0.0	0.0
	9.00000	-18.24750	114.00000	-2.1665	113.75	0.0	0.0	0.0
	10.00000	-18.24750	114.00000	-2.1904	113.75	0.0	0.0	0.0
	11.00000	-18.24750	114.00000	-2.2076	113.75	0.0	0.0	0.0
	12.00000	-18.24750	114.00000	-2.2145	113.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	-18.24750	114.00000	-2.1975	113.75	0.0	0.0	0.0
	14.00000	-18.24750	114.00000	-2.1267	113.75	0.0	0.0	0.0
	15.00000	-18.24750	114.00000	-1.9695	113.75	0.0	0.0	0.0
	16.00000	-18.24750	114.00000	-1.7549	113.75	0.0	0.0	0.0
	17.00000	-18.24750	114.00000	-1.5371	113.75	0.0	0.0	0.0
	18.00000	-18.24750	114.00000	-1.3382	113.75	0.0	0.0	0.0
	19.00000	-18.24750	114.00000	-1.1629	113.75	0.0	0.0	0.0
	20.00000	-18.24750	114.00000	-1.0104	113.75	0.0	0.0	0.0
	21.00000	-18.24750	114.00000	-0.87887	113.75	0.0	0.0	0.0
	22.00000	-18.24750	114.00000	-0.76576	113.75	0.0	0.0	0.0
	23.00000	-18.24750	114.00000	-0.66868	113.75	0.0	0.0	0.0
	24.00000	-18.24750	114.00000	-0.58534	113.75	0.0	0.0	0.0
	25.00000	-18.24750	114.00000	-0.51373	113.75	0.0	0.0	0.0
	26.00000	-18.24750	114.00000	-0.45208	113.75	0.0	0.0	0.0
	27.00000	-18.24750	114.00000	-0.39886	113.75	0.0	0.0	0.0
	28.00000	-18.24750	114.00000	-0.35280	113.75	0.0	0.0	0.0
	29.00000	-18.24750	114.00000	-0.31280	113.75	0.0	0.0	0.0
	30.00000	-18.24750	114.00000	-0.27795	113.75	0.0	0.0	0.0
	31.00000	-18.24750	114.00000	-0.24751	113.75	0.0	0.0	0.0
	32.00000	-18.24750	114.00000	-0.22082	113.75	0.0	0.0	0.0
	33.00000	-18.24750	114.00000	-0.19736	113.75	0.0	0.0	0.0
	34.00000	-18.24750	114.00000	-0.17667	113.75	0.0	0.0	0.0
	35.00000	-18.24750	114.00000	-0.15838	113.75	0.0	0.0	0.0
	36.00000	-18.24750	114.00000	-0.14218	113.75	0.0	0.0	0.0
	37.00000	-18.24750	114.00000	-0.12778	113.75	0.0	0.0	0.0
	38.00000	-18.24750	114.00000	-0.11496	113.75	0.0	0.0	0.0
	39.00000	-18.24750	114.00000	-0.10353	113.75	0.0	0.0	0.0
	40.00000	-18.24750	114.00000	-0.093310	113.75	0.0	0.0	0.0
	41.00000	-18.24750	114.00000	-0.084160	113.75	0.0	0.0	0.0
	42.00000	-18.24750	114.00000	-0.075954	113.75	0.0	0.0	0.0
	43.00000	-18.24750	114.00000	-0.068584	113.75	0.0	0.0	0.0
	44.00000	-18.24750	114.00000	-0.061956	113.75	0.0	0.0	0.0
	45.00000	-18.24750	114.00000	-0.055986	113.75	0.0	0.0	0.0
	46.00000	-18.24750	114.00000	-0.050603	113.75	0.0	0.0	0.0
	47.00000	-18.24750	114.00000	-0.045744	113.75	0.0	0.0	0.0
	48.00000	-18.24750	114.00000	-0.041353	113.75	0.0	0.0	0.0
	49.00000	-18.24750	114.00000	-0.037381	113.75	0.0	0.0	0.0
	50.00000	-18.24750	114.00000	-0.033786	113.75	0.0	0.0	0.0
	-20.00000	-17.21656	114.00000	-0.10963	113.75	0.0	0.0	0.0
	-19.00000	-17.21656	114.00000	-0.12147	113.75	0.0	0.0	0.0
	-18.00000	-17.21656	114.00000	-0.13468	113.75	0.0	0.0	0.0
	-17.00000	-17.21656	114.00000	-0.14945	113.75	0.0	0.0	0.0
	-16.00000	-17.21656	114.00000	-0.16599	113.75	0.0	0.0	0.0
	-15.00000	-17.21656	114.00000	-0.18455	113.75	0.0	0.0	0.0
	-14.00000	-17.21656	114.00000	-0.20540	113.75	0.0	0.0	0.0
	-13.00000	-17.21656	114.00000	-0.22888	113.75	0.0	0.0	0.0
	-12.00000	-17.21656	114.00000	-0.25536	113.75	0.0	0.0	0.0
	-11.00000	-17.21656	114.00000	-0.28528	113.75	0.0	0.0	0.0
	-10.00000	-17.21656	114.00000	-0.31914	113.75	0.0	0.0	0.0
	-9.00000	-17.21656	114.00000	-0.35754	113.75	0.0	0.0	0.0
	-8.00000	-17.21656	114.00000	-0.40114	113.75	0.0	0.0	0.0
	-7.00000	-17.21656	114.00000	-0.45069	113.75	0.0	0.0	0.0
	-6.00000	-17.21656	114.00000	-0.50705	113.75	0.0	0.0	0.0
	-5.00000	-17.21656	114.00000	-0.57110	113.75	0.0	0.0	0.0
	-4.00000	-17.21656	114.00000	-0.64380	113.75	0.0	0.0	0.0
	-3.00000	-17.21656	114.00000	-0.72599	113.75	0.0	0.0	0.0
	-2.00000	-17.21656	114.00000	-0.81829	113.75	0.0	0.0	0.0
	-1.00000	-17.21656	114.00000	-0.92076	113.75	0.0	0.0	0.0
	0.00000	-17.21656	114.00000	-1.0324	113.75	0.0	0.0	0.0
	1.00000	-17.21656	114.00000	-1.1507	113.75	0.0	0.0	0.0
	2.00000	-17.21656	114.00000	-1.2708	113.75	0.0	0.0	0.0
	3.00000	-17.21656	114.00000	-1.3861	113.75	0.0	0.0	0.0
	4.00000	-17.21656	114.00000	-1.4896	113.75	0.0	0.0	0.0
	5.00000	-17.21656	114.00000	-1.5766	113.75	0.0	0.0	0.0
	6.00000	-17.21656	114.00000	-1.6456	113.75	0.0	0.0	0.0
	7.00000	-17.21656	114.00000	-1.6980	113.75	0.0	0.0	0.0
	8.00000	-17.21656	114.00000	-1.7357	113.75	0.0	0.0	0.0
	9.00000	-17.21656	114.00000	-1.7610	113.75	0.0	0.0	0.0
	10.00000	-17.21656	114.00000	-1.7751	113.75	0.0	0.0	0.0
	11.00000	-17.21656	114.00000	-1.7775	113.75	0.0	0.0	0.0
	12.00000	-17.21656	114.00000	-1.7646	113.75	0.0	0.0	0.0
	13.00000	-17.21656	114.00000	-1.7292	113.75	0.0	0.0	0.0
	14.00000	-17.21656	114.00000	-1.6615	113.75	0.0	0.0	0.0
	15.00000	-17.21656	114.00000	-1.5566	113.75	0.0	0.0	0.0
	16.00000	-17.21656	114.00000	-1.4239	113.75	0.0	0.0	0.0
	17.00000	-17.21656	114.00000	-1.2808	113.75	0.0	0.0	0.0
	18.00000	-17.21656	114.00000	-1.1405	113.75	0.0	0.0	0.0
	19.00000	-17.21656	114.00000	-1.0098	113.75	0.0	0.0	0.0
	20.00000	-17.21656	114.00000	-0.89138	113.75	0.0	0.0	0.0
	21.00000	-17.21656	114.00000	-0.78580	113.75	0.0	0.0	0.0
	22.00000	-17.21656	114.00000	-0.69259	113.75	0.0	0.0	0.0
	23.00000	-17.21656	114.00000	-0.61079	113.75	0.0	0.0	0.0
	24.00000	-17.21656	114.00000	-0.53924	113.75	0.0	0.0	0.0
	25.00000	-17.21656	114.00000	-0.47677	113.75	0.0	0.0	0.0
	26.00000	-17.21656	114.00000	-0.42224	113.75	0.0	0.0	0.0
	27.00000	-17.21656	114.00000	-0.37461	113.75	0.0	0.0	0.0
	28.00000	-17.21656	114.00000	-0.33295	113.75	0.0	0.0	0.0
	29.00000	-17.21656	114.00000	-0.29645	113.75	0.0	0.0	0.0
	30.00000	-17.21656	114.00000	-0.26441	113.75	0.0	0.0	0.0
	31.00000	-17.21656	114.00000	-0.23622	113.75	0.0	0.0	0.0
	32.00000	-17.21656	114.00000	-0.21136	113.75	0.0	0.0	0.0
	33.00000	-17.21656	114.00000	-0.18939	113.75	0.0	0.0	0.0
	34.00000	-17.21656	114.00000	-0.16992	113.75	0.0	0.0	0.0
	35.00000	-17.21656	114.00000	-0.15265	113.75	0.0	0.0	0.0
	36.00000	-17.21656	114.00000	-0.13728	113.75	0.0	0.0	0.0
	37.00000	-17.21656	114.00000	-0.12359	113.75	0.0	0.0	0.0
	38.00000	-17.21656	114.00000	-0.11136	113.75	0.0	0.0	0.0
	39.00000	-17.21656	114.00000	-0.10042	113.75	0.0	0.0	0.0
	40.00000	-17.21656	114.00000	-0.090619	113.75	0.0	0.0	0.0
	41.00000	-17.21656	114.00000	-0.081825	113.75	0.0	0.0	0.0
	42.00000	-17.21656	114.00000	-0.073923	113.75	0.0	0.0	0.0
	43.00000	-17.21656	114.00000	-0.066813	113.75	0.0	0.0	0.0
	44.00000	-17.21656	114.00000	-0.060407	113.75	0.0	0.0	0.0
	45.00000	-17.21656	114.00000	-0.054629	113.75	0.0	0.0	0.0
	46.00000	-17.21656	114.00000	-0.049412	113.75	0.0	0.0	0.0
	47.00000	-17.21656	114.00000	-0.044697	113.75	0.0	0.0	0.0
	48.00000	-17.21656	114.00000	-0.040431	113.75	0.0	0.0	0.0
	49.00000	-17.21656	114.00000	-0.036568	113.75	0.0	0.0	0.0
	50.00000	-17.21656	114.00000	-0.033068	113.75	0.0	0.0	0.0
	-20.00000	-16.18563	114.00000	-0.10565	113.75	0.0	0.0	0.0
	-19.00000	-16.18563	114.00000	-0.11686	113.75	0.0	0.0	0.0
	-18.00000	-16.18563	114.00000	-0.12935	113.75	0.0	0.0	0.0
	-17.00000	-16.18563	114.00000	-0.14325	113.75	0.0	0.0	0.0
	-16.00000	-16.18563	114.00000	-0.15877	113.75	0.0	0.0	0.0
	-15.00000	-16.18563	114.00000	-0.17611	113.75	0.0	0.0	0.0
	-14.00000	-16.18563	114.00000	-0.19550	113.75	0.0	0.0	0.0
	-13.00000	-16.18563	114.00000	-0.21721	113.75	0.0	0.0	0.0
	-12.00000	-16.18563	114.00000	-0.24157	113.75	0.0	0.0	0.0
	-11.00000	-16.18563	114.00000	-0.26890	113.75	0.0	0.0	0.0
	-10.00000	-16.18563	114.00000	-0.29963	113.75	0.0	0.0	0.0
	-9.00000	-16.18563	114.00000	-0.33417	113.75	0.0	0.0	0.0
	-8.00000	-16.18563	114.00000	-0.37303	113.75	0.0	0.0	0.0
	-7.00000	-16.18563	114.00000	-0.41673	113.75	0.0	0.0	0.0
	-6.00000	-16.18563	114.00000	-0.46582	113.75	0.0	0.0	0.0
	-5.00000	-16.18563	114.00000	-0.52085	113.75	0.0	0.0	0.0
	-4.00000	-16.18563	114.00000	-0.58231	113.75	0.0	0.0	0.0
	-3.00000	-16.18563	114.00000	-0.65053	113.75	0.0	0.0	0.0
	-2.00000	-16.18563	114.00000	-0.72557	113.75	0.0	0.0	0.0
	-1.00000	-16.18563	114.00000	-0.80699	113.75	0.0	0.0	0.0
	0.00000	-16.18563	114.00000	-0.89361	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	1.00000	-16.18563	114.00000	-0.98332	113.75	0.0	0.0	0.0
	2.00000	-16.18563	114.00000	-1.0729	113.75	0.0	0.0	0.0
	3.00000	-16.18563	114.00000	-1.1586	113.75	0.0	0.0	0.0
	4.00000	-16.18563	114.00000	-1.2364	113.75	0.0	0.0	0.0
	5.00000	-16.18563	114.00000	-1.3034	113.75	0.0	0.0	0.0
	6.00000	-16.18563	114.00000	-1.3583	113.75	0.0	0.0	0.0
	7.00000	-16.18563	114.00000	-1.4007	113.75	0.0	0.0	0.0
	8.00000	-16.18563	114.00000	-1.4313	113.75	0.0	0.0	0.0
	9.00000	-16.18563	114.00000	-1.4506	113.75	0.0	0.0	0.0
	10.00000	-16.18563	114.00000	-1.4588	113.75	0.0	0.0	0.0
	11.00000	-16.18563	114.00000	-1.4550	113.75	0.0	0.0	0.0
	12.00000	-16.18563	114.00000	-1.4372	113.75	0.0	0.0	0.0
	13.00000	-16.18563	114.00000	-1.4021	113.75	0.0	0.0	0.0
	14.00000	-16.18563	114.00000	-1.3468	113.75	0.0	0.0	0.0
	15.00000	-16.18563	114.00000	-1.2710	113.75	0.0	0.0	0.0
	16.00000	-16.18563	114.00000	-1.1791	113.75	0.0	0.0	0.0
	17.00000	-16.18563	114.00000	-1.0786	113.75	0.0	0.0	0.0
	18.00000	-16.18563	114.00000	-0.97645	113.75	0.0	0.0	0.0
	19.00000	-16.18563	114.00000	-0.87774	113.75	0.0	0.0	0.0
	20.00000	-16.18563	114.00000	-0.78534	113.75	0.0	0.0	0.0
	21.00000	-16.18563	114.00000	-0.70063	113.75	0.0	0.0	0.0
	22.00000	-16.18563	114.00000	-0.62406	113.75	0.0	0.0	0.0
	23.00000	-16.18563	114.00000	-0.55548	113.75	0.0	0.0	0.0
	24.00000	-16.18563	114.00000	-0.49443	113.75	0.0	0.0	0.0
	25.00000	-16.18563	114.00000	-0.44030	113.75	0.0	0.0	0.0
	26.00000	-16.18563	114.00000	-0.39241	113.75	0.0	0.0	0.0
	27.00000	-16.18563	114.00000	-0.35009	113.75	0.0	0.0	0.0
	28.00000	-16.18563	114.00000	-0.31269	113.75	0.0	0.0	0.0
	29.00000	-16.18563	114.00000	-0.27962	113.75	0.0	0.0	0.0
	30.00000	-16.18563	114.00000	-0.25036	113.75	0.0	0.0	0.0
	31.00000	-16.18563	114.00000	-0.22443	113.75	0.0	0.0	0.0
	32.00000	-16.18563	114.00000	-0.20142	113.75	0.0	0.0	0.0
	33.00000	-16.18563	114.00000	-0.18097	113.75	0.0	0.0	0.0
	34.00000	-16.18563	114.00000	-0.16277	113.75	0.0	0.0	0.0
	35.00000	-16.18563	114.00000	-0.14655	113.75	0.0	0.0	0.0
	36.00000	-16.18563	114.00000	-0.13206	113.75	0.0	0.0	0.0
	37.00000	-16.18563	114.00000	-0.11909	113.75	0.0	0.0	0.0
	38.00000	-16.18563	114.00000	-0.10748	113.75	0.0	0.0	0.0
	39.00000	-16.18563	114.00000	-0.097069	113.75	0.0	0.0	0.0
	40.00000	-16.18563	114.00000	-0.087714	113.75	0.0	0.0	0.0
	41.00000	-16.18563	114.00000	-0.079299	113.75	0.0	0.0	0.0
	42.00000	-16.18563	114.00000	-0.071722	113.75	0.0	0.0	0.0
	43.00000	-16.18563	114.00000	-0.064890	113.75	0.0	0.0	0.0
	44.00000	-16.18563	114.00000	-0.058724	113.75	0.0	0.0	0.0
	45.00000	-16.18563	114.00000	-0.053153	113.75	0.0	0.0	0.0
	46.00000	-16.18563	114.00000	-0.048115	113.75	0.0	0.0	0.0
	47.00000	-16.18563	114.00000	-0.043554	113.75	0.0	0.0	0.0
	48.00000	-16.18563	114.00000	-0.039424	113.75	0.0	0.0	0.0
	49.00000	-16.18563	114.00000	-0.035678	113.75	0.0	0.0	0.0
	50.00000	-16.18563	114.00000	-0.032281	113.75	0.0	0.0	0.0
	-20.00000	-15.15469	114.00000	-0.10149	113.75	0.0	0.0	0.0
	-19.00000	-15.15469	114.00000	-0.11207	113.75	0.0	0.0	0.0
	-18.00000	-15.15469	114.00000	-0.12381	113.75	0.0	0.0	0.0
	-17.00000	-15.15469	114.00000	-0.13685	113.75	0.0	0.0	0.0
	-16.00000	-15.15469	114.00000	-0.15134	113.75	0.0	0.0	0.0
	-15.00000	-15.15469	114.00000	-0.16745	113.75	0.0	0.0	0.0
	-14.00000	-15.15469	114.00000	-0.18539	113.75	0.0	0.0	0.0
	-13.00000	-15.15469	114.00000	-0.20538	113.75	0.0	0.0	0.0
	-12.00000	-15.15469	114.00000	-0.22766	113.75	0.0	0.0	0.0
	-11.00000	-15.15469	114.00000	-0.25251	113.75	0.0	0.0	0.0
	-10.00000	-15.15469	114.00000	-0.28022	113.75	0.0	0.0	0.0
	-9.00000	-15.15469	114.00000	-0.31114	113.75	0.0	0.0	0.0
	-8.00000	-15.15469	114.00000	-0.34560	113.75	0.0	0.0	0.0
	-7.00000	-15.15469	114.00000	-0.38395	113.75	0.0	0.0	0.0
	-6.00000	-15.15469	114.00000	-0.42653	113.75	0.0	0.0	0.0
	-5.00000	-15.15469	114.00000	-0.47366	113.75	0.0	0.0	0.0
	-4.00000	-15.15469	114.00000	-0.52552	113.75	0.0	0.0	0.0
	-3.00000	-15.15469	114.00000	-0.58218	113.75	0.0	0.0	0.0
	-2.00000	-15.15469	114.00000	-0.64342	113.75	0.0	0.0	0.0
	-1.00000	-15.15469	114.00000	-0.70867	113.75	0.0	0.0	0.0
	0.00000	-15.15469	114.00000	-0.77686	113.75	0.0	0.0	0.0
	1.00000	-15.15469	114.00000	-0.84636	113.75	0.0	0.0	0.0
	2.00000	-15.15469	114.00000	-0.91504	113.75	0.0	0.0	0.0
	3.00000	-15.15469	114.00000	-0.98044	113.75	0.0	0.0	0.0
	4.00000	-15.15469	114.00000	-1.0402	113.75	0.0	0.0	0.0
	5.00000	-15.15469	114.00000	-1.0923	113.75	0.0	0.0	0.0
	6.00000	-15.15469	114.00000	-1.1355	113.75	0.0	0.0	0.0
	7.00000	-15.15469	114.00000	-1.1694	113.75	0.0	0.0	0.0
	8.00000	-15.15469	114.00000	-1.1936	113.75	0.0	0.0	0.0
	9.00000	-15.15469	114.00000	-1.2081	113.75	0.0	0.0	0.0
	10.00000	-15.15469	114.00000	-1.2128	113.75	0.0	0.0	0.0
	11.00000	-15.15469	114.00000	-1.2069	113.75	0.0	0.0	0.0
	12.00000	-15.15469	114.00000	-1.1895	113.75	0.0	0.0	0.0
	13.00000	-15.15469	114.00000	-1.1591	113.75	0.0	0.0	0.0
	14.00000	-15.15469	114.00000	-1.1152	113.75	0.0	0.0	0.0
	15.00000	-15.15469	114.00000	-1.0583	113.75	0.0	0.0	0.0
	16.00000	-15.15469	114.00000	-0.99093	113.75	0.0	0.0	0.0
	17.00000	-15.15469	114.00000	-0.91699	113.75	0.0	0.0	0.0
	18.00000	-15.15469	114.00000	-0.84046	113.75	0.0	0.0	0.0
	19.00000	-15.15469	114.00000	-0.76468	113.75	0.0	0.0	0.0
	20.00000	-15.15469	114.00000	-0.69200	113.75	0.0	0.0	0.0
	21.00000	-15.15469	114.00000	-0.62384	113.75	0.0	0.0	0.0
	22.00000	-15.15469	114.00000	-0.56095	113.75	0.0	0.0	0.0
	23.00000	-15.15469	114.00000	-0.50359	113.75	0.0	0.0	0.0
	24.00000	-15.15469	114.00000	-0.45169	113.75	0.0	0.0	0.0
	25.00000	-15.15469	114.00000	-0.40501	113.75	0.0	0.0	0.0
	26.00000	-15.15469	114.00000	-0.36318	113.75	0.0	0.0	0.0
	27.00000	-15.15469	114.00000	-0.32579	113.75	0.0	0.0	0.0
	28.00000	-15.15469	114.00000	-0.29241	113.75	0.0	0.0	0.0
	29.00000	-15.15469	114.00000	-0.26263	113.75	0.0	0.0	0.0
	30.00000	-15.15469	114.00000	-0.23606	113.75	0.0	0.0	0.0
	31.00000	-15.15469	114.00000	-0.21235	113.75	0.0	0.0	0.0
	32.00000	-15.15469	114.00000	-0.19118	113.75	0.0	0.0	0.0
	33.00000	-15.15469	114.00000	-0.17226	113.75	0.0	0.0	0.0
	34.00000	-15.15469	114.00000	-0.15533	113.75	0.0	0.0	0.0
	35.00000	-15.15469	114.00000	-0.14017	113.75	0.0	0.0	0.0
	36.00000	-15.15469	114.00000	-0.12657	113.75	0.0	0.0	0.0
	37.00000	-15.15469	114.00000	-0.11437	113.75	0.0	0.0	0.0
	38.00000	-15.15469	114.00000	-0.10339	113.75	0.0	0.0	0.0
	39.00000	-15.15469	114.00000	-0.093523	113.75	0.0	0.0	0.0
	40.00000	-15.15469	114.00000	-0.084631	113.75	0.0	0.0	0.0
	41.00000	-15.15469	114.00000	-0.076613	113.75	0.0	0.0	0.0
	42.00000	-15.15469	114.00000	-0.069375	113.75	0.0	0.0	0.0
	43.00000	-15.15469	114.00000	-0.062836	113.75	0.0	0.0	0.0
	44.00000	-15.15469	114.00000	-0.056923	113.75	0.0	0.0	0.0
	45.00000	-15.15469	114.00000	-0.051570	113.75	0.0	0.0	0.0
	46.00000	-15.15469	114.00000	-0.046722	113.75	0.0	0.0	0.0
	47.00000	-15.15469	114.00000	-0.042327	113.75	0.0	0.0	0.0
	48.00000	-15.15469	114.00000	-0.038340	113.75	0.0	0.0	0.0
	49.00000	-15.15469	114.00000	-0.034720	113.75	0.0	0.0	0.0
	50.00000	-15.15469	114.00000	-0.031433	113.75	0.0	0.0	0.0
	-20.00000	-14.12375	114.00000	-0.097196	113.75	0.0	0.0	0.0
	-19.00000	-14.12375	114.00000	-0.10714	113.75	0.0	0.0	0.0
	-18.00000	-14.12375	114.00000	-0.11814	113.75	0.0	0.0	0.0
	-17.00000	-14.12375	114.00000	-0.13031	113.75	0.0	0.0	0.0
	-16.00000	-14.12375	114.00000	-0.14378	113.75	0.0	0.0	0.0
	-15.00000	-14.12375	114.00000	-0.15870	113.75	0.0	0.0	0.0
	-14.00000	-14.12375	114.00000	-0.17522	113.75	0.0	0.0	0.0
	-13.00000	-14.12375	114.00000	-0.19353	113.75	0.0	0.0	0.0
	-12.00000	-14.12375	114.00000	-0.21382	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-11.00000	-14.12375	114.00000	-0.23631	113.75	0.0	0.0	0.0
	-10.00000	-14.12375	114.00000	-0.26121	113.75	0.0	0.0	0.0
	-9.00000	-14.12375	114.00000	-0.28876	113.75	0.0	0.0	0.0
	-8.00000	-14.12375	114.00000	-0.31920	113.75	0.0	0.0	0.0
	-7.00000	-14.12375	114.00000	-0.35274	113.75	0.0	0.0	0.0
	-6.00000	-14.12375	114.00000	-0.38959	113.75	0.0	0.0	0.0
	-5.00000	-14.12375	114.00000	-0.42987	113.75	0.0	0.0	0.0
	-4.00000	-14.12375	114.00000	-0.47364	113.75	0.0	0.0	0.0
	-3.00000	-14.12375	114.00000	-0.52080	113.75	0.0	0.0	0.0
	-2.00000	-14.12375	114.00000	-0.57102	113.75	0.0	0.0	0.0
	-1.00000	-14.12375	114.00000	-0.62375	113.75	0.0	0.0	0.0
	0.00000	-14.12375	114.00000	-0.67809	113.75	0.0	0.0	0.0
	1.00000	-14.12375	114.00000	-0.73283	113.75	0.0	0.0	0.0
	2.00000	-14.12375	114.00000	-0.78647	113.75	0.0	0.0	0.0
	3.00000	-14.12375	114.00000	-0.83736	113.75	0.0	0.0	0.0
	4.00000	-14.12375	114.00000	-0.88391	113.75	0.0	0.0	0.0
	5.00000	-14.12375	114.00000	-0.92476	113.75	0.0	0.0	0.0
	6.00000	-14.12375	114.00000	-0.95889	113.75	0.0	0.0	0.0
	7.00000	-14.12375	114.00000	-0.98566	113.75	0.0	0.0	0.0
	8.00000	-14.12375	114.00000	-1.0047	113.75	0.0	0.0	0.0
	9.00000	-14.12375	114.00000	-1.0156	113.75	0.0	0.0	0.0
	10.00000	-14.12375	114.00000	-1.0183	113.75	0.0	0.0	0.0
	11.00000	-14.12375	114.00000	-1.0121	113.75	0.0	0.0	0.0
	12.00000	-14.12375	114.00000	-0.99669	113.75	0.0	0.0	0.0
	13.00000	-14.12375	114.00000	-0.97157	113.75	0.0	0.0	0.0
	14.00000	-14.12375	114.00000	-0.93678	113.75	0.0	0.0	0.0
	15.00000	-14.12375	114.00000	-0.89304	113.75	0.0	0.0	0.0
	16.00000	-14.12375	114.00000	-0.84199	113.75	0.0	0.0	0.0
	17.00000	-14.12375	114.00000	-0.78589	113.75	0.0	0.0	0.0
	18.00000	-14.12375	114.00000	-0.72718	113.75	0.0	0.0	0.0
	19.00000	-14.12375	114.00000	-0.66809	113.75	0.0	0.0	0.0
	20.00000	-14.12375	114.00000	-0.61037	113.75	0.0	0.0	0.0
	21.00000	-14.12375	114.00000	-0.55525	113.75	0.0	0.0	0.0
	22.00000	-14.12375	114.00000	-0.50351	113.75	0.0	0.0	0.0
	23.00000	-14.12375	114.00000	-0.45555	113.75	0.0	0.0	0.0
	24.00000	-14.12375	114.00000	-0.41152	113.75	0.0	0.0	0.0
	25.00000	-14.12375	114.00000	-0.37139	113.75	0.0	0.0	0.0
	26.00000	-14.12375	114.00000	-0.33499	113.75	0.0	0.0	0.0
	27.00000	-14.12375	114.00000	-0.30209	113.75	0.0	0.0	0.0
	28.00000	-14.12375	114.00000	-0.27244	113.75	0.0	0.0	0.0
	29.00000	-14.12375	114.00000	-0.24575	113.75	0.0	0.0	0.0
	30.00000	-14.12375	114.00000	-0.22175	113.75	0.0	0.0	0.0
	31.00000	-14.12375	114.00000	-0.20019	113.75	0.0	0.0	0.0
	32.00000	-14.12375	114.00000	-0.18080	113.75	0.0	0.0	0.0
	33.00000	-14.12375	114.00000	-0.16338	113.75	0.0	0.0	0.0
	34.00000	-14.12375	114.00000	-0.14771	113.75	0.0	0.0	0.0
	35.00000	-14.12375	114.00000	-0.13361	113.75	0.0	0.0	0.0
	36.00000	-14.12375	114.00000	-0.12091	113.75	0.0	0.0	0.0
	37.00000	-14.12375	114.00000	-0.10946	113.75	0.0	0.0	0.0
	38.00000	-14.12375	114.00000	-0.099142	113.75	0.0	0.0	0.0
	39.00000	-14.12375	114.00000	-0.089824	113.75	0.0	0.0	0.0
	40.00000	-14.12375	114.00000	-0.081406	113.75	0.0	0.0	0.0
	41.00000	-14.12375	114.00000	-0.073796	113.75	0.0	0.0	0.0
	42.00000	-14.12375	114.00000	-0.066909	113.75	0.0	0.0	0.0
	43.00000	-14.12375	114.00000	-0.060674	113.75	0.0	0.0	0.0
	44.00000	-14.12375	114.00000	-0.055023	113.75	0.0	0.0	0.0
	45.00000	-14.12375	114.00000	-0.049898	113.75	0.0	0.0	0.0
	46.00000	-14.12375	114.00000	-0.045248	113.75	0.0	0.0	0.0
	47.00000	-14.12375	114.00000	-0.041026	113.75	0.0	0.0	0.0
	48.00000	-14.12375	114.00000	-0.037190	113.75	0.0	0.0	0.0
	49.00000	-14.12375	114.00000	-0.033702	113.75	0.0	0.0	0.0
	50.00000	-14.12375	114.00000	-0.030530	113.75	0.0	0.0	0.0
	-20.00000	-13.09281	114.00000	-0.092820	113.75	0.0	0.0	0.0
	-19.00000	-13.09281	114.00000	-0.10214	113.75	0.0	0.0	0.0
	-18.00000	-13.09281	114.00000	-0.11240	113.75	0.0	0.0	0.0
	-17.00000	-13.09281	114.00000	-0.12372	113.75	0.0	0.0	0.0
	-16.00000	-13.09281	114.00000	-0.13619	113.75	0.0	0.0	0.0
	-15.00000	-13.09281	114.00000	-0.14994	113.75	0.0	0.0	0.0
	-14.00000	-13.09281	114.00000	-0.16510	113.75	0.0	0.0	0.0
	-13.00000	-13.09281	114.00000	-0.18181	113.75	0.0	0.0	0.0
	-12.00000	-13.09281	114.00000	-0.20022	113.75	0.0	0.0	0.0
	-11.00000	-13.09281	114.00000	-0.22049	113.75	0.0	0.0	0.0
	-10.00000	-13.09281	114.00000	-0.24278	113.75	0.0	0.0	0.0
	-9.00000	-13.09281	114.00000	-0.26726	113.75	0.0	0.0	0.0
	-8.00000	-13.09281	114.00000	-0.29406	113.75	0.0	0.0	0.0
	-7.00000	-13.09281	114.00000	-0.32334	113.75	0.0	0.0	0.0
	-6.00000	-13.09281	114.00000	-0.35517	113.75	0.0	0.0	0.0
	-5.00000	-13.09281	114.00000	-0.38961	113.75	0.0	0.0	0.0
	-4.00000	-13.09281	114.00000	-0.42659	113.75	0.0	0.0	0.0
	-3.00000	-13.09281	114.00000	-0.46594	113.75	0.0	0.0	0.0
	-2.00000	-13.09281	114.00000	-0.50735	113.75	0.0	0.0	0.0
	-1.00000	-13.09281	114.00000	-0.55030	113.75	0.0	0.0	0.0
	0.00000	-13.09281	114.00000	-0.59406	113.75	0.0	0.0	0.0
	1.00000	-13.09281	114.00000	-0.63773	113.75	0.0	0.0	0.0
	2.00000	-13.09281	114.00000	-0.68023	113.75	0.0	0.0	0.0
	3.00000	-13.09281	114.00000	-0.72040	113.75	0.0	0.0	0.0
	4.00000	-13.09281	114.00000	-0.75712	113.75	0.0	0.0	0.0
	5.00000	-13.09281	114.00000	-0.78939	113.75	0.0	0.0	0.0
	6.00000	-13.09281	114.00000	-0.81641	113.75	0.0	0.0	0.0
	7.00000	-13.09281	114.00000	-0.83759	113.75	0.0	0.0	0.0
	8.00000	-13.09281	114.00000	-0.85249	113.75	0.0	0.0	0.0
	9.00000	-13.09281	114.00000	-0.86080	113.75	0.0	0.0	0.0
	10.00000	-13.09281	114.00000	-0.86223	113.75	0.0	0.0	0.0
	11.00000	-13.09281	114.00000	-0.85653	113.75	0.0	0.0	0.0
	12.00000	-13.09281	114.00000	-0.84347	113.75	0.0	0.0	0.0
	13.00000	-13.09281	114.00000	-0.82300	113.75	0.0	0.0	0.0
	14.00000	-13.09281	114.00000	-0.79534	113.75	0.0	0.0	0.0
	15.00000	-13.09281	114.00000	-0.76118	113.75	0.0	0.0	0.0
	16.00000	-13.09281	114.00000	-0.72160	113.75	0.0	0.0	0.0
	17.00000	-13.09281	114.00000	-0.67808	113.75	0.0	0.0	0.0
	18.00000	-13.09281	114.00000	-0.63220	113.75	0.0	0.0	0.0
	19.00000	-13.09281	114.00000	-0.58548	113.75	0.0	0.0	0.0
	20.00000	-13.09281	114.00000	-0.53921	113.75	0.0	0.0	0.0
	21.00000	-13.09281	114.00000	-0.49436	113.75	0.0	0.0	0.0
	22.00000	-13.09281	114.00000	-0.45165	113.75	0.0	0.0	0.0
	23.00000	-13.09281	114.00000	-0.41151	113.75	0.0	0.0	0.0
	24.00000	-13.09281	114.00000	-0.37418	113.75	0.0	0.0	0.0
	25.00000	-13.09281	114.00000	-0.33972	113.75	0.0	0.0	0.0
	26.00000	-13.09281	114.00000	-0.30813	113.75	0.0	0.0	0.0
	27.00000	-13.09281	114.00000	-0.27928	113.75	0.0	0.0	0.0
	28.00000	-13.09281	114.00000	-0.25304	113.75	0.0	0.0	0.0
	29.00000	-13.09281	114.00000	-0.22921	113.75	0.0	0.0	0.0
	30.00000	-13.09281	114.00000	-0.20763	113.75	0.0	0.0	0.0
	31.00000	-13.09281	114.00000	-0.18809	113.75	0.0	0.0	0.0
	32.00000	-13.09281	114.00000	-0.17042	113.75	0.0	0.0	0.0
	33.00000	-13.09281	114.00000	-0.15445	113.75	0.0	0.0	0.0
	34.00000	-13.09281	114.00000	-0.14000	113.75	0.0	0.0	0.0
	35.00000	-13.09281	114.00000	-0.12694	113.75	0.0	0.0	0.0
	36.00000	-13.09281	114.00000	-0.11513	113.75	0.0	0.0	0.0
	37.00000	-13.09281	114.00000	-0.10445	113.75	0.0	0.0	0.0
	38.00000	-13.09281	114.00000	-0.094774	113.75	0.0	0.0	0.0
	39.00000	-13.09281	114.00000	-0.086014	113.75	0.0	0.0	0.0
	40.00000	-13.09281	114.00000	-0.078076	113.75	0.0	0.0	0.0
	41.00000	-13.09281	114.00000	-0.070879	113.75	0.0	0.0	0.0
	42.00000	-13.09281	114.00000	-0.064350	113.75	0.0	0.0	0.0
	43.00000	-13.09281	114.00000	-0.058424	113.75	0.0	0.0	0.0
	44.00000	-13.09281	114.00000	-0.053042	113.75	0.0	0.0	0.0
	45.00000	-13.09281	114.00000	-0.048152	113.75	0.0	0.0	0.0
	46.00000	-13.09281	114.00000	-0.043706	113.75	0.0	0.0	0.0
	47.00000	-13.09281	114.00000	-0.039663	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	48.00000	-13.09281	114.00000	-0.035983	113.75	0.0	0.0	0.0
	49.00000	-13.09281	114.00000	-0.032632	113.75	0.0	0.0	0.0
	50.00000	-13.09281	114.00000	-0.029581	113.75	0.0	0.0	0.0
	-20.00000	-12.06188	114.00000	-0.088401	113.75	0.0	0.0	0.0
	-19.00000	-12.06188	114.00000	-0.097097	113.75	0.0	0.0	0.0
	-18.00000	-12.06188	114.00000	-0.10665	113.75	0.0	0.0	0.0
	-17.00000	-12.06188	114.00000	-0.11713	113.75	0.0	0.0	0.0
	-16.00000	-12.06188	114.00000	-0.12864	113.75	0.0	0.0	0.0
	-15.00000	-12.06188	114.00000	-0.14127	113.75	0.0	0.0	0.0
	-14.00000	-12.06188	114.00000	-0.15513	113.75	0.0	0.0	0.0
	-13.00000	-12.06188	114.00000	-0.17033	113.75	0.0	0.0	0.0
	-12.00000	-12.06188	114.00000	-0.18698	113.75	0.0	0.0	0.0
	-11.00000	-12.06188	114.00000	-0.20520	113.75	0.0	0.0	0.0
	-10.00000	-12.06188	114.00000	-0.22510	113.75	0.0	0.0	0.0
	-9.00000	-12.06188	114.00000	-0.24679	113.75	0.0	0.0	0.0
	-8.00000	-12.06188	114.00000	-0.27035	113.75	0.0	0.0	0.0
	-7.00000	-12.06188	114.00000	-0.29587	113.75	0.0	0.0	0.0
	-6.00000	-12.06188	114.00000	-0.32336	113.75	0.0	0.0	0.0
	-5.00000	-12.06188	114.00000	-0.35280	113.75	0.0	0.0	0.0
	-4.00000	-12.06188	114.00000	-0.38410	113.75	0.0	0.0	0.0
	-3.00000	-12.06188	114.00000	-0.41706	113.75	0.0	0.0	0.0
	-2.00000	-12.06188	114.00000	-0.45138	113.75	0.0	0.0	0.0
	-1.00000	-12.06188	114.00000	-0.48661	113.75	0.0	0.0	0.0
	0.00000	-12.06188	114.00000	-0.52218	113.75	0.0	0.0	0.0
	1.00000	-12.06188	114.00000	-0.55739	113.75	0.0	0.0	0.0
	2.00000	-12.06188	114.00000	-0.59144	113.75	0.0	0.0	0.0
	3.00000	-12.06188	114.00000	-0.62351	113.75	0.0	0.0	0.0
	4.00000	-12.06188	114.00000	-0.65276	113.75	0.0	0.0	0.0
	5.00000	-12.06188	114.00000	-0.67845	113.75	0.0	0.0	0.0
	6.00000	-12.06188	114.00000	-0.69995	113.75	0.0	0.0	0.0
	7.00000	-12.06188	114.00000	-0.71675	113.75	0.0	0.0	0.0
	8.00000	-12.06188	114.00000	-0.72847	113.75	0.0	0.0	0.0
	9.00000	-12.06188	114.00000	-0.73482	113.75	0.0	0.0	0.0
	10.00000	-12.06188	114.00000	-0.73556	113.75	0.0	0.0	0.0
	11.00000	-12.06188	114.00000	-0.73053	113.75	0.0	0.0	0.0
	12.00000	-12.06188	114.00000	-0.71968	113.75	0.0	0.0	0.0
	13.00000	-12.06188	114.00000	-0.70306	113.75	0.0	0.0	0.0
	14.00000	-12.06188	114.00000	-0.68096	113.75	0.0	0.0	0.0
	15.00000	-12.06188	114.00000	-0.65392	113.75	0.0	0.0	0.0
	16.00000	-12.06188	114.00000	-0.62274	113.75	0.0	0.0	0.0
	17.00000	-12.06188	114.00000	-0.58841	113.75	0.0	0.0	0.0
	18.00000	-12.06188	114.00000	-0.55202	113.75	0.0	0.0	0.0
	19.00000	-12.06188	114.00000	-0.51463	113.75	0.0	0.0	0.0
	20.00000	-12.06188	114.00000	-0.47720	113.75	0.0	0.0	0.0
	21.00000	-12.06188	114.00000	-0.44049	113.75	0.0	0.0	0.0
	22.00000	-12.06188	114.00000	-0.40509	113.75	0.0	0.0	0.0
	23.00000	-12.06188	114.00000	-0.37142	113.75	0.0	0.0	0.0
	24.00000	-12.06188	114.00000	-0.33974	113.75	0.0	0.0	0.0
	25.00000	-12.06188	114.00000	-0.31018	113.75	0.0	0.0	0.0
	26.00000	-12.06188	114.00000	-0.28280	113.75	0.0	0.0	0.0
	27.00000	-12.06188	114.00000	-0.25756	113.75	0.0	0.0	0.0
	28.00000	-12.06188	114.00000	-0.23439	113.75	0.0	0.0	0.0
	29.00000	-12.06188	114.00000	-0.21319	113.75	0.0	0.0	0.0
	30.00000	-12.06188	114.00000	-0.19384	113.75	0.0	0.0	0.0
	31.00000	-12.06188	114.00000	-0.17620	113.75	0.0	0.0	0.0
	32.00000	-12.06188	114.00000	-0.16015	113.75	0.0	0.0	0.0
	33.00000	-12.06188	114.00000	-0.14556	113.75	0.0	0.0	0.0
	34.00000	-12.06188	114.00000	-0.13230	113.75	0.0	0.0	0.0
	35.00000	-12.06188	114.00000	-0.12025	113.75	0.0	0.0	0.0
	36.00000	-12.06188	114.00000	-0.10931	113.75	0.0	0.0	0.0
	37.00000	-12.06188	114.00000	-0.099370	113.75	0.0	0.0	0.0
	38.00000	-12.06188	114.00000	-0.090338	113.75	0.0	0.0	0.0
	39.00000	-12.06188	114.00000	-0.082131	113.75	0.0	0.0	0.0
	40.00000	-12.06188	114.00000	-0.074672	113.75	0.0	0.0	0.0
	41.00000	-12.06188	114.00000	-0.067890	113.75	0.0	0.0	0.0
	42.00000	-12.06188	114.00000	-0.061721	113.75	0.0	0.0	0.0
	43.00000	-12.06188	114.00000	-0.056108	113.75	0.0	0.0	0.0
	44.00000	-12.06188	114.00000	-0.050999	113.75	0.0	0.0	0.0
	45.00000	-12.06188	114.00000	-0.046347	113.75	0.0	0.0	0.0
	46.00000	-12.06188	114.00000	-0.042110	113.75	0.0	0.0	0.0
	47.00000	-12.06188	114.00000	-0.038248	113.75	0.0	0.0	0.0
	48.00000	-12.06188	114.00000	-0.034729	113.75	0.0	0.0	0.0
	49.00000	-12.06188	114.00000	-0.031519	113.75	0.0	0.0	0.0
	50.00000	-12.06188	114.00000	-0.028591	113.75	0.0	0.0	0.0
	-20.00000	-11.03094	114.00000	-0.083977	113.75	0.0	0.0	0.0
	-19.00000	-11.03094	114.00000	-0.092068	113.75	0.0	0.0	0.0
	-18.00000	-11.03094	114.00000	-0.10092	113.75	0.0	0.0	0.0
	-17.00000	-11.03094	114.00000	-0.11061	113.75	0.0	0.0	0.0
	-16.00000	-11.03094	114.00000	-0.12119	113.75	0.0	0.0	0.0
	-15.00000	-11.03094	114.00000	-0.13277	113.75	0.0	0.0	0.0
	-14.00000	-11.03094	114.00000	-0.14540	113.75	0.0	0.0	0.0
	-13.00000	-11.03094	114.00000	-0.15919	113.75	0.0	0.0	0.0
	-12.00000	-11.03094	114.00000	-0.17421	113.75	0.0	0.0	0.0
	-11.00000	-11.03094	114.00000	-0.19054	113.75	0.0	0.0	0.0
	-10.00000	-11.03094	114.00000	-0.20826	113.75	0.0	0.0	0.0
	-9.00000	-11.03094	114.00000	-0.22745	113.75	0.0	0.0	0.0
	-8.00000	-11.03094	114.00000	-0.24814	113.75	0.0	0.0	0.0
	-7.00000	-11.03094	114.00000	-0.27036	113.75	0.0	0.0	0.0
	-6.00000	-11.03094	114.00000	-0.29410	113.75	0.0	0.0	0.0
	-5.00000	-11.03094	114.00000	-0.31931	113.75	0.0	0.0	0.0
	-4.00000	-11.03094	114.00000	-0.34586	113.75	0.0	0.0	0.0
	-3.00000	-11.03094	114.00000	-0.37356	113.75	0.0	0.0	0.0
	-2.00000	-11.03094	114.00000	-0.40215	113.75	0.0	0.0	0.0
	-1.00000	-11.03094	114.00000	-0.43123	113.75	0.0	0.0	0.0
	0.00000	-11.03094	114.00000	-0.46037	113.75	0.0	0.0	0.0
	1.00000	-11.03094	114.00000	-0.48901	113.75	0.0	0.0	0.0
	2.00000	-11.03094	114.00000	-0.51656	113.75	0.0	0.0	0.0
	3.00000	-11.03094	114.00000	-0.54240	113.75	0.0	0.0	0.0
	4.00000	-11.03094	114.00000	-0.56590	113.75	0.0	0.0	0.0
	5.00000	-11.03094	114.00000	-0.58650	113.75	0.0	0.0	0.0
	6.00000	-11.03094	114.00000	-0.60371	113.75	0.0	0.0	0.0
	7.00000	-11.03094	114.00000	-0.61711	113.75	0.0	0.0	0.0
	8.00000	-11.03094	114.00000	-0.62638	113.75	0.0	0.0	0.0
	9.00000	-11.03094	114.00000	-0.63127	113.75	0.0	0.0	0.0
	10.00000	-11.03094	114.00000	-0.63160	113.75	0.0	0.0	0.0
	11.00000	-11.03094	114.00000	-0.62729	113.75	0.0	0.0	0.0
	12.00000	-11.03094	114.00000	-0.61833	113.75	0.0	0.0	0.0
	13.00000	-11.03094	114.00000	-0.60482	113.75	0.0	0.0	0.0
	14.00000	-11.03094	114.00000	-0.58705	113.75	0.0	0.0	0.0
	15.00000	-11.03094	114.00000	-0.56542	113.75	0.0	0.0	0.0
	16.00000	-11.03094	114.00000	-0.54054	113.75	0.0	0.0	0.0
	17.00000	-11.03094	114.00000	-0.51310	113.75	0.0	0.0	0.0
	18.00000	-11.03094	114.00000	-0.48388	113.75	0.0	0.0	0.0
	19.00000	-11.03094	114.00000	-0.45366	113.75	0.0	0.0	0.0
	20.00000	-11.03094	114.00000	-0.42312	113.75	0.0	0.0	0.0
	21.00000	-11.03094	114.00000	-0.39288	113.75	0.0	0.0	0.0
	22.00000	-11.03094	114.00000	-0.36341	113.75	0.0	0.0	0.0
	23.00000	-11.03094	114.00000	-0.33509	113.75	0.0	0.0	0.0
	24.00000	-11.03094	114.00000	-0.30817	113.75	0.0	0.0	0.0
	25.00000	-11.03094	114.00000	-0.28281	113.75	0.0	0.0	0.0
	26.00000	-11.03094	114.00000	-0.25909	113.75	0.0	0.0	0.0
	27.00000	-11.03094	114.00000	-0.23703	113.75	0.0	0.0	0.0
	28.00000	-11.03094	114.00000	-0.21662	113.75	0.0	0.0	0.0
	29.00000	-11.03094	114.00000	-0.19780	113.75	0.0	0.0	0.0
	30.00000	-11.03094	114.00000	-0.18050	113.75	0.0	0.0	0.0
	31.00000	-11.03094	114.00000	-0.16463	113.75	0.0	0.0	0.0
	32.00000	-11.03094	114.00000	-0.15010	113.75	0.0	0.0	0.0
	33.00000	-11.03094	114.00000	-0.13681	113.75	0.0	0.0	0.0
	34.00000	-11.03094	114.00000	-0.12468	113.75	0.0	0.0	0.0
	35.00000	-11.03094	114.00000	-0.11360	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	36.00000	-11.03094	114.00000	-0.10350	113.75	0.0	0.0	0.0
	37.00000	-11.03094	114.00000	-0.094280	113.75	0.0	0.0	0.0
	38.00000	-11.03094	114.00000	-0.085876	113.75	0.0	0.0	0.0
	39.00000	-11.03094	114.00000	-0.078214	113.75	0.0	0.0	0.0
	40.00000	-11.03094	114.00000	-0.071227	113.75	0.0	0.0	0.0
	41.00000	-11.03094	114.00000	-0.064856	113.75	0.0	0.0	0.0
	42.00000	-11.03094	114.00000	-0.059046	113.75	0.0	0.0	0.0
	43.00000	-11.03094	114.00000	-0.053746	113.75	0.0	0.0	0.0
	44.00000	-11.03094	114.00000	-0.048911	113.75	0.0	0.0	0.0
	45.00000	-11.03094	114.00000	-0.044498	113.75	0.0	0.0	0.0
	46.00000	-11.03094	114.00000	-0.040471	113.75	0.0	0.0	0.0
	47.00000	-11.03094	114.00000	-0.036795	113.75	0.0	0.0	0.0
	48.00000	-11.03094	114.00000	-0.033437	113.75	0.0	0.0	0.0
	49.00000	-11.03094	114.00000	-0.030371	113.75	0.0	0.0	0.0
	50.00000	-11.03094	114.00000	-0.027570	113.75	0.0	0.0	0.0
	-20.00000	-10.00000	114.00000	-0.079581	113.75	0.0	0.0	0.0
	-19.00000	-10.00000	114.00000	-0.087088	113.75	0.0	0.0	0.0
	-18.00000	-10.00000	114.00000	-0.095274	113.75	0.0	0.0	0.0
	-17.00000	-10.00000	114.00000	-0.10420	113.75	0.0	0.0	0.0
	-16.00000	-10.00000	114.00000	-0.11391	113.75	0.0	0.0	0.0
	-15.00000	-10.00000	114.00000	-0.12448	113.75	0.0	0.0	0.0
	-14.00000	-10.00000	114.00000	-0.13597	113.75	0.0	0.0	0.0
	-13.00000	-10.00000	114.00000	-0.14844	113.75	0.0	0.0	0.0
	-12.00000	-10.00000	114.00000	-0.16196	113.75	0.0	0.0	0.0
	-11.00000	-10.00000	114.00000	-0.17657	113.75	0.0	0.0	0.0
	-10.00000	-10.00000	114.00000	-0.19234	113.75	0.0	0.0	0.0
	-9.00000	-10.00000	114.00000	-0.20928	113.75	0.0	0.0	0.0
	-8.00000	-10.00000	114.00000	-0.22744	113.75	0.0	0.0	0.0
	-7.00000	-10.00000	114.00000	-0.24679	113.75	0.0	0.0	0.0
	-6.00000	-10.00000	114.00000	-0.26731	113.75	0.0	0.0	0.0
	-5.00000	-10.00000	114.00000	-0.28892	113.75	0.0	0.0	0.0
	-4.00000	-10.00000	114.00000	-0.31150	113.75	0.0	0.0	0.0
	-3.00000	-10.00000	114.00000	-0.33487	113.75	0.0	0.0	0.0
	-2.00000	-10.00000	114.00000	-0.35879	113.75	0.0	0.0	0.0
	-1.00000	-10.00000	114.00000	-0.38295	113.75	0.0	0.0	0.0
	0.00000	-10.00000	114.00000	-0.40698	113.75	0.0	0.0	0.0
	1.00000	-10.00000	114.00000	-0.43046	113.75	0.0	0.0	0.0
	2.00000	-10.00000	114.00000	-0.45293	113.75	0.0	0.0	0.0
	3.00000	-10.00000	114.00000	-0.47391	113.75	0.0	0.0	0.0
	4.00000	-10.00000	114.00000	-0.49294	113.75	0.0	0.0	0.0
	5.00000	-10.00000	114.00000	-0.50958	113.75	0.0	0.0	0.0
	6.00000	-10.00000	114.00000	-0.52344	113.75	0.0	0.0	0.0
	7.00000	-10.00000	114.00000	-0.53419	113.75	0.0	0.0	0.0
	8.00000	-10.00000	114.00000	-0.54156	113.75	0.0	0.0	0.0
	9.00000	-10.00000	114.00000	-0.54537	113.75	0.0	0.0	0.0
	10.00000	-10.00000	114.00000	-0.54547	113.75	0.0	0.0	0.0
	11.00000	-10.00000	114.00000	-0.54182	113.75	0.0	0.0	0.0
	12.00000	-10.00000	114.00000	-0.53443	113.75	0.0	0.0	0.0
	13.00000	-10.00000	114.00000	-0.52342	113.75	0.0	0.0	0.0
	14.00000	-10.00000	114.00000	-0.50902	113.75	0.0	0.0	0.0
	15.00000	-10.00000	114.00000	-0.49157	113.75	0.0	0.0	0.0
	16.00000	-10.00000	114.00000	-0.47150	113.75	0.0	0.0	0.0
	17.00000	-10.00000	114.00000	-0.44934	113.75	0.0	0.0	0.0
	18.00000	-10.00000	114.00000	-0.42564	113.75	0.0	0.0	0.0
	19.00000	-10.00000	114.00000	-0.40098	113.75	0.0	0.0	0.0
	20.00000	-10.00000	114.00000	-0.37588	113.75	0.0	0.0	0.0
	21.00000	-10.00000	114.00000	-0.35082	113.75	0.0	0.0	0.0
	22.00000	-10.00000	114.00000	-0.32618	113.75	0.0	0.0	0.0
	23.00000	-10.00000	114.00000	-0.30229	113.75	0.0	0.0	0.0
	24.00000	-10.00000	114.00000	-0.27937	113.75	0.0	0.0	0.0
	25.00000	-10.00000	114.00000	-0.25759	113.75	0.0	0.0	0.0
	26.00000	-10.00000	114.00000	-0.23704	113.75	0.0	0.0	0.0
	27.00000	-10.00000	114.00000	-0.21778	113.75	0.0	0.0	0.0
	28.00000	-10.00000	114.00000	-0.19982	113.75	0.0	0.0	0.0
	29.00000	-10.00000	114.00000	-0.18314	113.75	0.0	0.0	0.0
	30.00000	-10.00000	114.00000	-0.16770	113.75	0.0	0.0	0.0
	31.00000	-10.00000	114.00000	-0.15345	113.75	0.0	0.0	0.0
	32.00000	-10.00000	114.00000	-0.14033	113.75	0.0	0.0	0.0
	33.00000	-10.00000	114.00000	-0.12827	113.75	0.0	0.0	0.0
	34.00000	-10.00000	114.00000	-0.11720	113.75	0.0	0.0	0.0
	35.00000	-10.00000	114.00000	-0.10704	113.75	0.0	0.0	0.0
	36.00000	-10.00000	114.00000	-0.097741	113.75	0.0	0.0	0.0
	37.00000	-10.00000	114.00000	-0.089222	113.75	0.0	0.0	0.0
	38.00000	-10.00000	114.00000	-0.081426	113.75	0.0	0.0	0.0
	39.00000	-10.00000	114.00000	-0.074293	113.75	0.0	0.0	0.0
	40.00000	-10.00000	114.00000	-0.067769	113.75	0.0	0.0	0.0
	41.00000	-10.00000	114.00000	-0.061802	113.75	0.0	0.0	0.0
	42.00000	-10.00000	114.00000	-0.056346	113.75	0.0	0.0	0.0
	43.00000	-10.00000	114.00000	-0.051356	113.75	0.0	0.0	0.0
	44.00000	-10.00000	114.00000	-0.046793	113.75	0.0	0.0	0.0
	45.00000	-10.00000	114.00000	-0.042620	113.75	0.0	0.0	0.0
	46.00000	-10.00000	114.00000	-0.038803	113.75	0.0	0.0	0.0
	47.00000	-10.00000	114.00000	-0.035312	113.75	0.0	0.0	0.0
	48.00000	-10.00000	114.00000	-0.032118	113.75	0.0	0.0	0.0
	49.00000	-10.00000	114.00000	-0.029196	113.75	0.0	0.0	0.0
	50.00000	-10.00000	114.00000	-0.026523	113.75	0.0	0.0	0.0
Grid 7	-20.00000	-34.49500	114.00000	-0.11558	113.75	0.0	0.0	0.0
	-19.00020	-34.49500	114.00000	-0.12837	113.75	0.0	0.0	0.0
	-18.00040	-34.49500	114.00000	-0.14272	113.75	0.0	0.0	0.0
	-17.00060	-34.49500	114.00000	-0.15886	113.75	0.0	0.0	0.0
	-16.00080	-34.49500	114.00000	-0.17703	113.75	0.0	0.0	0.0
	-15.00100	-34.49500	114.00000	-0.19755	113.75	0.0	0.0	0.0
	-14.00120	-34.49500	114.00000	-0.22078	113.75	0.0	0.0	0.0
	-13.00140	-34.49500	114.00000	-0.24715	113.75	0.0	0.0	0.0
	-12.00160	-34.49500	114.00000	-0.27717	113.75	0.0	0.0	0.0
	-11.00180	-34.49500	114.00000	-0.31144	113.75	0.0	0.0	0.0
	-10.00200	-34.49500	114.00000	-0.35069	113.75	0.0	0.0	0.0
	-9.00220	-34.49500	114.00000	-0.39580	113.75	0.0	0.0	0.0
	-8.00240	-34.49500	114.00000	-0.44781	113.75	0.0	0.0	0.0
	-7.00260	-34.49500	114.00000	-0.50801	113.75	0.0	0.0	0.0
	-6.00280	-34.49500	114.00000	-0.57791	113.75	0.0	0.0	0.0
	-5.00300	-34.49500	114.00000	-0.65939	113.75	0.0	0.0	0.0
	-4.00320	-34.49500	114.00000	-0.75468	113.75	0.0	0.0	0.0
	-3.00340	-34.49500	114.00000	-0.86652	113.75	0.0	0.0	0.0
	-2.00360	-34.49500	114.00000	-0.99819	113.75	0.0	0.0	0.0
	-1.00380	-34.49500	114.00000	-1.1538	113.75	0.0	0.0	0.0
	-0.00400	-34.49500	114.00000	-1.3384	113.75	0.0	0.0	0.0
	0.99580	-34.49500	114.00000	-1.5589	113.75	0.0	0.0	0.0
	1.99560	-34.49500	114.00000	-1.8252	113.75	0.0	0.0	0.0
	2.99540	-34.49500	114.00000	-2.1544	113.75	0.0	0.0	0.0
	3.99520	-34.49500	114.00000	-2.5832	113.75	0.0	0.0	0.0
	4.99500	-34.49500	114.00000	-3.2007	113.75	0.0	0.0	0.0
	-20.00000	-33.49562	114.00000	-0.11877	113.75	0.0	0.0	0.0
	-19.00020	-33.49562	114.00000	-0.13208	113.75	0.0	0.0	0.0
	-18.00040	-33.49562	114.00000	-0.14705	113.75	0.0	0.0	0.0
	-17.00060	-33.49562	114.00000	-0.16393	113.75	0.0	0.0	0.0
	-16.00080	-33.49562	114.00000	-0.18299	113.75	0.0	0.0	0.0
	-15.00100	-33.49562	114.00000	-0.20459	113.75	0.0	0.0	0.0
	-14.00120	-33.49562	114.00000	-0.22913	113.75	0.0	0.0	0.0
	-13.00140	-33.49562	114.00000	-0.25711	113.75	0.0	0.0	0.0
	-12.00160	-33.49562	114.00000	-0.28910	113.75	0.0	0.0	0.0
	-11.00180	-33.49562	114.00000	-0.32582	113.75	0.0	0.0	0.0
	-10.00200	-33.49562	114.00000	-0.36813	113.75	0.0	0.0	0.0
	-9.00220	-33.49562	114.00000	-0.41710	113.75	0.0	0.0	0.0
	-8.00240	-33.49562	114.00000	-0.47401	113.75	0.0	0.0	0.0
	-7.00260	-33.49562	114.00000	-0.54046	113.75	0.0	0.0	0.0
	-6.00280	-33.49562	114.00000	-0.61846	113.75	0.0	0.0	0.0
	-5.00300	-33.49562	114.00000	-0.71049	113.75	0.0	0.0	0.0
	-4.00320	-33.49562	114.00000	-0.81969	113.75	0.0	0.0	0.0
	-3.00340	-33.49562	114.00000	-0.95006	113.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-2.00360	-33.49562	114.00000	-1.1068	113.75	0.0	0.0	0.0
	-1.00380	-33.49562	114.00000	-1.2967	113.75	0.0	0.0	0.0
	-0.00400	-33.49562	114.00000	-1.5292	113.75	0.0	0.0	0.0
	0.99580	-33.49562	114.00000	-1.8187	113.75	0.0	0.0	0.0
	1.99560	-33.49562	114.00000	-2.1900	113.75	0.0	0.0	0.0
	2.99540	-33.49562	114.00000	-2.6982	113.75	0.0	0.0	0.0
	3.99520	-33.49562	114.00000	-3.5255	113.75	0.0	0.0	0.0
	4.99500	-33.49562	114.00000	-5.0189	113.75	0.0	0.0	0.0
	-20.00000	-32.49625	114.00000	-0.12162	113.75	0.0	0.0	0.0
	-19.00020	-32.49625	114.00000	-0.13541	113.75	0.0	0.0	0.0
	-18.00040	-32.49625	114.00000	-0.15095	113.75	0.0	0.0	0.0
	-17.00060	-32.49625	114.00000	-0.16850	113.75	0.0	0.0	0.0
	-16.00080	-32.49625	114.00000	-0.18838	113.75	0.0	0.0	0.0
	-15.00100	-32.49625	114.00000	-0.21098	113.75	0.0	0.0	0.0
	-14.00120	-32.49625	114.00000	-0.23673	113.75	0.0	0.0	0.0
	-13.00140	-32.49625	114.00000	-0.26621	113.75	0.0	0.0	0.0
	-12.00160	-32.49625	114.00000	-0.30006	113.75	0.0	0.0	0.0
	-11.00180	-32.49625	114.00000	-0.33910	113.75	0.0	0.0	0.0
	-10.00200	-32.49625	114.00000	-0.38434	113.75	0.0	0.0	0.0
	-9.00220	-32.49625	114.00000	-0.43702	113.75	0.0	0.0	0.0
	-8.00240	-32.49625	114.00000	-0.49869	113.75	0.0	0.0	0.0
	-7.00260	-32.49625	114.00000	-0.57133	113.75	0.0	0.0	0.0
	-6.00280	-32.49625	114.00000	-0.65744	113.75	0.0	0.0	0.0
	-5.00300	-32.49625	114.00000	-0.76023	113.75	0.0	0.0	0.0
	-4.00320	-32.49625	114.00000	-0.88391	113.75	0.0	0.0	0.0
	-3.00340	-32.49625	114.00000	-1.0341	113.75	0.0	0.0	0.0
	-2.00360	-32.49625	114.00000	-1.2183	113.75	0.0	0.0	0.0
	-1.00380	-32.49625	114.00000	-1.4473	113.75	0.0	0.0	0.0
	-0.00400	-32.49625	114.00000	-1.7367	113.75	0.0	0.0	0.0
	0.99580	-32.49625	114.00000	-2.1119	113.75	0.0	0.0	0.0
	1.99560	-32.49625	114.00000	-2.6219	113.75	0.0	0.0	0.0
	2.99540	-32.49625	114.00000	-3.3937	113.75	0.0	0.0	0.0
	3.99520	-32.49625	114.00000	-5.0235	113.75	0.0	0.0	0.0
	4.99500	-32.49625	114.00000	-8.1486	113.75	0.0	0.0	0.0
	-20.00000	-31.49687	114.00000	-0.12410	113.75	0.0	0.0	0.0
	-19.00020	-31.49687	114.00000	-0.13830	113.75	0.0	0.0	0.0
	-18.00040	-31.49687	114.00000	-0.15434	113.75	0.0	0.0	0.0
	-17.00060	-31.49687	114.00000	-0.17249	113.75	0.0	0.0	0.0
	-16.00080	-31.49687	114.00000	-0.19310	113.75	0.0	0.0	0.0
	-15.00100	-31.49687	114.00000	-0.21658	113.75	0.0	0.0	0.0
	-14.00120	-31.49687	114.00000	-0.24343	113.75	0.0	0.0	0.0
	-13.00140	-31.49687	114.00000	-0.27425	113.75	0.0	0.0	0.0
	-12.00160	-31.49687	114.00000	-0.30979	113.75	0.0	0.0	0.0
	-11.00180	-31.49687	114.00000	-0.35095	113.75	0.0	0.0	0.0
	-10.00200	-31.49687	114.00000	-0.39888	113.75	0.0	0.0	0.0
	-9.00220	-31.49687	114.00000	-0.45501	113.75	0.0	0.0	0.0
	-8.00240	-31.49687	114.00000	-0.52116	113.75	0.0	0.0	0.0
	-7.00260	-31.49687	114.00000	-0.59966	113.75	0.0	0.0	0.0
	-6.00280	-31.49687	114.00000	-0.69357	113.75	0.0	0.0	0.0
	-5.00300	-31.49687	114.00000	-0.80689	113.75	0.0	0.0	0.0
	-4.00320	-31.49687	114.00000	-0.94504	113.75	0.0	0.0	0.0
	-3.00340	-31.49687	114.00000	-1.1155	113.75	0.0	0.0	0.0
	-2.00360	-31.49687	114.00000	-1.3289	113.75	0.0	0.0	0.0
	-1.00380	-31.49687	114.00000	-1.6010	113.75	0.0	0.0	0.0
	-0.00400	-31.49687	114.00000	-1.9565	113.75	0.0	0.0	0.0
	0.99580	-31.49687	114.00000	-2.4379	113.75	0.0	0.0	0.0
	1.99560	-31.49687	114.00000	-3.1354	113.75	0.0	0.0	0.0
	2.99540	-31.49687	114.00000	-4.3384	113.75	0.0	0.0	0.0
	3.99520	-31.49687	114.00000	-6.1802	113.75	0.0	0.0	0.0
	4.99500	-31.49687	114.00000	-6.9468	113.75	0.0	0.0	0.0
	-20.00000	-30.49750	114.00000	-0.12617	113.75	0.0	0.0	0.0
	-19.00020	-30.49750	114.00000	-0.14072	113.75	0.0	0.0	0.0
	-18.00040	-30.49750	114.00000	-0.15717	113.75	0.0	0.0	0.0
	-17.00060	-30.49750	114.00000	-0.17583	113.75	0.0	0.0	0.0
	-16.00080	-30.49750	114.00000	-0.19706	113.75	0.0	0.0	0.0
	-15.00100	-30.49750	114.00000	-0.22130	113.75	0.0	0.0	0.0
	-14.00120	-30.49750	114.00000	-0.24908	113.75	0.0	0.0	0.0
	-13.00140	-30.49750	114.00000	-0.28107	113.75	0.0	0.0	0.0
	-12.00160	-30.49750	114.00000	-0.31806	113.75	0.0	0.0	0.0
	-11.00180	-30.49750	114.00000	-0.36106	113.75	0.0	0.0	0.0
	-10.00200	-30.49750	114.00000	-0.41134	113.75	0.0	0.0	0.0
	-9.00220	-30.49750	114.00000	-0.47052	113.75	0.0	0.0	0.0
	-8.00240	-30.49750	114.00000	-0.54065	113.75	0.0	0.0	0.0
	-7.00260	-30.49750	114.00000	-0.62444	113.75	0.0	0.0	0.0
	-6.00280	-30.49750	114.00000	-0.72547	113.75	0.0	0.0	0.0
	-5.00300	-30.49750	114.00000	-0.84854	113.75	0.0	0.0	0.0
	-4.00320	-30.49750	114.00000	-1.0004	113.75	0.0	0.0	0.0
	-3.00340	-30.49750	114.00000	-1.1905	113.75	0.0	0.0	0.0
	-2.00360	-30.49750	114.00000	-1.4332	113.75	0.0	0.0	0.0
	-1.00380	-30.49750	114.00000	-1.7510	113.75	0.0	0.0	0.0
	-0.00400	-30.49750	114.00000	-2.1821	113.75	0.0	0.0	0.0
	0.99580	-30.49750	114.00000	-2.7984	113.75	0.0	0.0	0.0
	1.99560	-30.49750	114.00000	-3.7775	113.75	0.0	0.0	0.0
	2.99540	-30.49750	114.00000	-5.7380	113.75	0.0	0.0	0.0
	3.99520	-30.49750	114.00000	-6.9221	113.75	0.0	0.0	0.0
	4.99500	-30.49750	114.00000	-7.5292	113.75	0.0	0.0	0.0
	-20.00000	-29.49812	114.00000	-0.12778	113.75	0.0	0.0	0.0
	-19.00020	-29.49812	114.00000	-0.14261	113.75	0.0	0.0	0.0
	-18.00040	-29.49812	114.00000	-0.15940	113.75	0.0	0.0	0.0
	-17.00060	-29.49812	114.00000	-0.17846	113.75	0.0	0.0	0.0
	-16.00080	-29.49812	114.00000	-0.20018	113.75	0.0	0.0	0.0
	-15.00100	-29.49812	114.00000	-0.22503	113.75	0.0	0.0	0.0
	-14.00120	-29.49812	114.00000	-0.25356	113.75	0.0	0.0	0.0
	-13.00140	-29.49812	114.00000	-0.28648	113.75	0.0	0.0	0.0
	-12.00160	-29.49812	114.00000	-0.32464	113.75	0.0	0.0	0.0
	-11.00180	-29.49812	114.00000	-0.36914	113.75	0.0	0.0	0.0
	-10.00200	-29.49812	114.00000	-0.42135	113.75	0.0	0.0	0.0
	-9.00220	-29.49812	114.00000	-0.48303	113.75	0.0	0.0	0.0
	-8.00240	-29.49812	114.00000	-0.55647	113.75	0.0	0.0	0.0
	-7.00260	-29.49812	114.00000	-0.64469	113.75	0.0	0.0	0.0
	-6.00280	-29.49812	114.00000	-0.75174	113.75	0.0	0.0	0.0
	-5.00300	-29.49812	114.00000	-0.88319	113.75	0.0	0.0	0.0
	-4.00320	-29.49812	114.00000	-1.0469	113.75	0.0	0.0	0.0
	-3.00340	-29.49812	114.00000	-1.2546	113.75	0.0	0.0	0.0
	-2.00360	-29.49812	114.00000	-1.5245	113.75	0.0	0.0	0.0
	-1.00380	-29.49812	114.00000	-1.8871	113.75	0.0	0.0	0.0
	-0.00400	-29.49812	114.00000	-2.4011	113.75	0.0	0.0	0.0
	0.99580	-29.49812	114.00000	-3.1983	113.75	0.0	0.0	0.0
	1.99560	-29.49812	114.00000	-4.7190	113.75	0.0	0.0	0.0
	2.99540	-29.49812	114.00000	-6.5440	113.75	0.0	0.0	0.0
	3.99520	-29.49812	114.00000	-7.4233	113.75	0.0	0.0	0.0
	4.99500	-29.49812	114.00000	-7.9457	113.75	0.0	0.0	0.0
	-20.00000	-28.49875	114.00000	-0.12893	113.75	0.0	0.0	0.0
	-19.00020	-28.49875	114.00000	-0.14396	113.75	0.0	0.0	0.0
	-18.00040	-28.49875	114.00000	-0.16098	113.75	0.0	0.0	0.0
	-17.00060	-28.49875	114.00000	-0.18033	113.75	0.0	0.0	0.0
	-16.00080	-28.49875	114.00000	-0.20241	113.75	0.0	0.0	0.0
	-15.00100	-28.49875	114.00000	-0.22768	113.75	0.0	0.0	0.0
	-14.00120	-28.49875	114.00000	-0.25675	113.75	0.0	0.0	0.0
	-13.00140	-28.49875	114.00000	-0.29035	113.75	0.0	0.0	0.0
	-12.00160	-28.49875	114.00000	-0.32937	113.75	0.0	0.0	0.0
	-11.00180	-28.49875	114.00000	-0.37496	113.75	0.0	0.0	0.0
	-10.00200	-28.49875	114.00000	-0.42858	113.75	0.0	0.0	0.0
	-9.00220	-28.49875	114.00000	-0.49210	113.75	0.0	0.0	0.0
	-8.00240	-28.49875	114.00000	-0.56800	113.75	0.0	0.0	0.0
	-7.00260	-28.49875	114.00000	-0.65952	113.75	0.0	0.0	0.0
	-6.00280	-28.49875	114.00000	-0.77113	113.75	0.0	0.0	0.0
	-5.00300	-28.49875	114.00000	-0.90898	113.75	0.0	0.0	0.0
	-4.00320	-28.49875	114.00000	-1.0820	113.75	0.0	0.0	0.0
	-3.00340	-28.49875	114.00000	-1.3035	113.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-2.00360	-28.49875	114.00000	-1.5950	113.75	0.0	0.0	0.0
	-1.00380	-28.49875	114.00000	-1.9950	113.75	0.0	0.0	0.0
	-0.00400	-28.49875	114.00000	-2.5858	113.75	0.0	0.0	0.0
	0.99580	-28.49875	114.00000	-3.6278	113.75	0.0	0.0	0.0
	1.99560	-28.49875	114.00000	-5.7465	113.75	0.0	0.0	0.0
	2.99540	-28.49875	114.00000	-6.9910	113.75	0.0	0.0	0.0
	3.99520	-28.49875	114.00000	-7.7415	113.75	0.0	0.0	0.0
	4.99500	-28.49875	114.00000	-8.2207	113.75	0.0	0.0	0.0
	-20.00000	-27.49938	114.00000	-0.12959	113.75	0.0	0.0	0.0
	-19.00020	-27.49938	114.00000	-0.14472	113.75	0.0	0.0	0.0
	-18.00040	-27.49938	114.00000	-0.16189	113.75	0.0	0.0	0.0
	-17.00060	-27.49938	114.00000	-0.18140	113.75	0.0	0.0	0.0
	-16.00080	-27.49938	114.00000	-0.20368	113.75	0.0	0.0	0.0
	-15.00100	-27.49938	114.00000	-0.22921	113.75	0.0	0.0	0.0
	-14.00120	-27.49938	114.00000	-0.25859	113.75	0.0	0.0	0.0
	-13.00140	-27.49938	114.00000	-0.29257	113.75	0.0	0.0	0.0
	-12.00160	-27.49938	114.00000	-0.33209	113.75	0.0	0.0	0.0
	-11.00180	-27.49938	114.00000	-0.37832	113.75	0.0	0.0	0.0
	-10.00200	-27.49938	114.00000	-0.43276	113.75	0.0	0.0	0.0
	-9.00220	-27.49938	114.00000	-0.49738	113.75	0.0	0.0	0.0
	-8.00240	-27.49938	114.00000	-0.57473	113.75	0.0	0.0	0.0
	-7.00260	-27.49938	114.00000	-0.66825	113.75	0.0	0.0	0.0
	-6.00280	-27.49938	114.00000	-0.78261	113.75	0.0	0.0	0.0
	-5.00300	-27.49938	114.00000	-0.92437	113.75	0.0	0.0	0.0
	-4.00320	-27.49938	114.00000	-1.1031	113.75	0.0	0.0	0.0
	-3.00340	-27.49938	114.00000	-1.3331	113.75	0.0	0.0	0.0
	-2.00360	-27.49938	114.00000	-1.6381	113.75	0.0	0.0	0.0
	-1.00380	-27.49938	114.00000	-2.0600	113.75	0.0	0.0	0.0
	-0.00400	-27.49938	114.00000	-2.6886	113.75	0.0	0.0	0.0
	0.99580	-27.49938	114.00000	-3.7873	113.75	0.0	0.0	0.0
	1.99560	-27.49938	114.00000	-5.8820	113.75	0.0	0.0	0.0
	2.99540	-27.49938	114.00000	-7.1849	113.75	0.0	0.0	0.0
	3.99520	-27.49938	114.00000	-7.9056	113.75	0.0	0.0	0.0
	4.99500	-27.49938	114.00000	-8.3676	113.75	0.0	0.0	0.0
	-20.00000	-26.50000	114.00000	-0.12974	113.75	0.0	0.0	0.0
	-19.00020	-26.50000	114.00000	-0.14491	113.75	0.0	0.0	0.0
	-18.00040	-26.50000	114.00000	-0.16210	113.75	0.0	0.0	0.0
	-17.00060	-26.50000	114.00000	-0.18165	113.75	0.0	0.0	0.0
	-16.00080	-26.50000	114.00000	-0.20398	113.75	0.0	0.0	0.0
	-15.00100	-26.50000	114.00000	-0.22956	113.75	0.0	0.0	0.0
	-14.00120	-26.50000	114.00000	-0.25902	113.75	0.0	0.0	0.0
	-13.00140	-26.50000	114.00000	-0.29309	113.75	0.0	0.0	0.0
	-12.00160	-26.50000	114.00000	-0.33272	113.75	0.0	0.0	0.0
	-11.00180	-26.50000	114.00000	-0.37911	113.75	0.0	0.0	0.0
	-10.00200	-26.50000	114.00000	-0.43376	113.75	0.0	0.0	0.0
	-9.00220	-26.50000	114.00000	-0.49865	113.75	0.0	0.0	0.0
	-8.00240	-26.50000	114.00000	-0.57638	113.75	0.0	0.0	0.0
	-7.00260	-26.50000	114.00000	-0.67042	113.75	0.0	0.0	0.0
	-6.00280	-26.50000	114.00000	-0.78554	113.75	0.0	0.0	0.0
	-5.00300	-26.50000	114.00000	-0.92842	113.75	0.0	0.0	0.0
	-4.00320	-26.50000	114.00000	-1.1088	113.75	0.0	0.0	0.0
	-3.00340	-26.50000	114.00000	-1.3414	113.75	0.0	0.0	0.0
	-2.00360	-26.50000	114.00000	-1.6502	113.75	0.0	0.0	0.0
	-1.00380	-26.50000	114.00000	-2.0772	113.75	0.0	0.0	0.0
	-0.00400	-26.50000	114.00000	-2.7084	113.75	0.0	0.0	0.0
	0.99580	-26.50000	114.00000	-3.7844	113.75	0.0	0.0	0.0
	1.99560	-26.50000	114.00000	-5.9575	113.75	0.0	0.0	0.0
	2.99540	-26.50000	114.00000	-7.2205	113.75	0.0	0.0	0.0
	3.99520	-26.50000	114.00000	-7.9378	113.75	0.0	0.0	0.0
	4.99500	-26.50000	114.00000	-8.3933	113.75	0.0	0.0	0.0
Grid 8	5.00000	-34.50000	112.00000	-3.1848	111.75	0.0	0.0	0.0
	6.00000	-34.50000	112.00000	-3.1701	111.75	0.0	0.0	0.0
	7.00000	-34.50000	112.00000	-2.9496	111.75	0.0	0.0	0.0
	8.00000	-34.50000	112.00000	-2.7304	111.75	0.0	0.0	0.0
	9.00000	-34.50000	112.00000	-2.5209	111.75	0.0	0.0	0.0
	10.00000	-34.50000	112.00000	-2.3214	111.75	0.0	0.0	0.0
	11.00000	-34.50000	112.00000	-2.1314	111.75	0.0	0.0	0.0
	12.00000	-34.50000	112.00000	-1.9507	111.75	0.0	0.0	0.0
	13.00000	-34.50000	112.00000	-1.7790	111.75	0.0	0.0	0.0
	14.00000	-34.50000	112.00000	-1.6162	111.75	0.0	0.0	0.0
	15.00000	-34.50000	112.00000	-1.4626	111.75	0.0	0.0	0.0
	16.00000	-34.50000	112.00000	-1.3184	111.75	0.0	0.0	0.0
	17.00000	-34.50000	112.00000	-1.1838	111.75	0.0	0.0	0.0
	18.00000	-34.50000	112.00000	-1.0594	111.75	0.0	0.0	0.0
	19.00000	-34.50000	112.00000	-0.94516	111.75	0.0	0.0	0.0
	20.00000	-34.50000	112.00000	-0.84135	111.75	0.0	0.0	0.0
	21.00000	-34.50000	112.00000	-0.74775	111.75	0.0	0.0	0.0
	22.00000	-34.50000	112.00000	-0.66399	111.75	0.0	0.0	0.0
	23.00000	-34.50000	112.00000	-0.58945	111.75	0.0	0.0	0.0
	24.00000	-34.50000	112.00000	-0.52343	111.75	0.0	0.0	0.0
	25.00000	-34.50000	112.00000	-0.46511	111.75	0.0	0.0	0.0
	26.00000	-34.50000	112.00000	-0.41368	111.75	0.0	0.0	0.0
	27.00000	-34.50000	112.00000	-0.36836	111.75	0.0	0.0	0.0
	28.00000	-34.50000	112.00000	-0.32842	111.75	0.0	0.0	0.0
	29.00000	-34.50000	112.00000	-0.29320	111.75	0.0	0.0	0.0
	30.00000	-34.50000	112.00000	-0.26210	111.75	0.0	0.0	0.0
	31.00000	-34.50000	112.00000	-0.23461	111.75	0.0	0.0	0.0
	32.00000	-34.50000	112.00000	-0.21027	111.75	0.0	0.0	0.0
	33.00000	-34.50000	112.00000	-0.18867	111.75	0.0	0.0	0.0
	34.00000	-34.50000	112.00000	-0.16949	111.75	0.0	0.0	0.0
	35.00000	-34.50000	112.00000	-0.15242	111.75	0.0	0.0	0.0
	36.00000	-34.50000	112.00000	-0.13719	111.75	0.0	0.0	0.0
	37.00000	-34.50000	112.00000	-0.12360	111.75	0.0	0.0	0.0
	38.00000	-34.50000	112.00000	-0.11144	111.75	0.0	0.0	0.0
	39.00000	-34.50000	112.00000	-0.10055	111.75	0.0	0.0	0.0
	40.00000	-34.50000	112.00000	-0.090783	111.75	0.0	0.0	0.0
	41.00000	-34.50000	112.00000	-0.082007	111.75	0.0	0.0	0.0
	42.00000	-34.50000	112.00000	-0.074114	111.75	0.0	0.0	0.0
	43.00000	-34.50000	112.00000	-0.067007	111.75	0.0	0.0	0.0
	44.00000	-34.50000	112.00000	-0.060599	111.75	0.0	0.0	0.0
	45.00000	-34.50000	112.00000	-0.054816	111.75	0.0	0.0	0.0
	46.00000	-34.50000	112.00000	-0.049591	111.75	0.0	0.0	0.0
	47.00000	-34.50000	112.00000	-0.044867	111.75	0.0	0.0	0.0
	48.00000	-34.50000	112.00000	-0.040591	111.75	0.0	0.0	0.0
	49.00000	-34.50000	112.00000	-0.036718	111.75	0.0	0.0	0.0
	50.00000	-34.50000	112.00000	-0.033207	111.75	0.0	0.0	0.0
	5.00000	-33.50000	112.00000	-5.0087	111.75	0.0	0.0	0.0
	6.00000	-33.50000	112.00000	-5.1813	111.75	0.0	0.0	0.0
	7.00000	-33.50000	112.00000	-4.3459	111.75	0.0	0.0	0.0
	8.00000	-33.50000	112.00000	-3.7090	111.75	0.0	0.0	0.0
	9.00000	-33.50000	112.00000	-3.2720	111.75	0.0	0.0	0.0
	10.00000	-33.50000	112.00000	-2.9267	111.75	0.0	0.0	0.0
	11.00000	-33.50000	112.00000	-2.6316	111.75	0.0	0.0	0.0
	12.00000	-33.50000	112.00000	-2.3695	111.75	0.0	0.0	0.0
	13.00000	-33.50000	112.00000	-2.1318	111.75	0.0	0.0	0.0
	14.00000	-33.50000	112.00000	-1.9140	111.75	0.0	0.0	0.0
	15.00000	-33.50000	112.00000	-1.7133	111.75	0.0	0.0	0.0
	16.00000	-33.50000	112.00000	-1.5284	111.75	0.0	0.0	0.0
	17.00000	-33.50000	112.00000	-1.3585	111.75	0.0	0.0	0.0
	18.00000	-33.50000	112.00000	-1.2036	111.75	0.0	0.0	0.0
	19.00000	-33.50000	112.00000	-1.0633	111.75	0.0	0.0	0.0
	20.00000	-33.50000	112.00000	-0.93757	111.75	0.0	0.0	0.0
	21.00000	-33.50000	112.00000	-0.82578	111.75	0.0	0.0	0.0
	22.00000	-33.50000	112.00000	-0.72712	111.75	0.0	0.0	0.0
	23.00000	-33.50000	112.00000	-0.64054	111.75	0.0	0.0	0.0
	24.00000	-33.50000	112.00000	-0.56483	111.75	0.0	0.0	0.0
	25.00000	-33.50000	112.00000	-0.49877	111.75	0.0	0.0	0.0
	26.00000	-33.50000	112.00000	-0.44116	111.75	0.0	0.0	0.0
	27.00000	-33.50000	112.00000	-0.39089	111.75	0.0	0.0	0.0
	28.00000	-33.50000	112.00000	-0.34699	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	29.00000	-33.50000	112.00000	-0.30857	111.75	0.0	0.0	0.0
	30.00000	-33.50000	112.00000	-0.27490	111.75	0.0	0.0	0.0
	31.00000	-33.50000	112.00000	-0.24531	111.75	0.0	0.0	0.0
	32.00000	-33.50000	112.00000	-0.21925	111.75	0.0	0.0	0.0
	33.00000	-33.50000	112.00000	-0.19626	111.75	0.0	0.0	0.0
	34.00000	-33.50000	112.00000	-0.17591	111.75	0.0	0.0	0.0
	35.00000	-33.50000	112.00000	-0.15788	111.75	0.0	0.0	0.0
	36.00000	-33.50000	112.00000	-0.14186	111.75	0.0	0.0	0.0
	37.00000	-33.50000	112.00000	-0.12760	111.75	0.0	0.0	0.0
	38.00000	-33.50000	112.00000	-0.11488	111.75	0.0	0.0	0.0
	39.00000	-33.50000	112.00000	-0.10352	111.75	0.0	0.0	0.0
	40.00000	-33.50000	112.00000	-0.093348	111.75	0.0	0.0	0.0
	41.00000	-33.50000	112.00000	-0.084232	111.75	0.0	0.0	0.0
	42.00000	-33.50000	112.00000	-0.076049	111.75	0.0	0.0	0.0
	43.00000	-33.50000	112.00000	-0.068693	111.75	0.0	0.0	0.0
	44.00000	-33.50000	112.00000	-0.062072	111.75	0.0	0.0	0.0
	45.00000	-33.50000	112.00000	-0.056105	111.75	0.0	0.0	0.0
	46.00000	-33.50000	112.00000	-0.050722	111.75	0.0	0.0	0.0
	47.00000	-33.50000	112.00000	-0.045860	111.75	0.0	0.0	0.0
	48.00000	-33.50000	112.00000	-0.041465	111.75	0.0	0.0	0.0
	49.00000	-33.50000	112.00000	-0.037489	111.75	0.0	0.0	0.0
	50.00000	-33.50000	112.00000	-0.033888	111.75	0.0	0.0	0.0
	5.00000	-32.50000	112.00000	-6.1463	111.75	0.0	0.0	0.0
	6.00000	-32.50000	112.00000	-6.4519	111.75	0.0	0.0	0.0
	7.00000	-32.50000	112.00000	-6.2983	111.75	0.0	0.0	0.0
	8.00000	-32.50000	112.00000	-5.6813	111.75	0.0	0.0	0.0
	9.00000	-32.50000	112.00000	-4.5238	111.75	0.0	0.0	0.0
	10.00000	-32.50000	112.00000	-3.8264	111.75	0.0	0.0	0.0
	11.00000	-32.50000	112.00000	-3.3272	111.75	0.0	0.0	0.0
	12.00000	-32.50000	112.00000	-2.9280	111.75	0.0	0.0	0.0
	13.00000	-32.50000	112.00000	-2.5885	111.75	0.0	0.0	0.0
	14.00000	-32.50000	112.00000	-2.2902	111.75	0.0	0.0	0.0
	15.00000	-32.50000	112.00000	-2.0236	111.75	0.0	0.0	0.0
	16.00000	-32.50000	112.00000	-1.7832	111.75	0.0	0.0	0.0
	17.00000	-32.50000	112.00000	-1.5663	111.75	0.0	0.0	0.0
	18.00000	-32.50000	112.00000	-1.3714	111.75	0.0	0.0	0.0
	19.00000	-32.50000	112.00000	-1.1977	111.75	0.0	0.0	0.0
	20.00000	-32.50000	112.00000	-1.0444	111.75	0.0	0.0	0.0
	21.00000	-32.50000	112.00000	-0.91043	111.75	0.0	0.0	0.0
	22.00000	-32.50000	112.00000	-0.79412	111.75	0.0	0.0	0.0
	23.00000	-32.50000	112.00000	-0.69366	111.75	0.0	0.0	0.0
	24.00000	-32.50000	112.00000	-0.60713	111.75	0.0	0.0	0.0
	25.00000	-32.50000	112.00000	-0.53261	111.75	0.0	0.0	0.0
	26.00000	-32.50000	112.00000	-0.46840	111.75	0.0	0.0	0.0
	27.00000	-32.50000	112.00000	-0.41296	111.75	0.0	0.0	0.0
	28.00000	-32.50000	112.00000	-0.36498	111.75	0.0	0.0	0.0
	29.00000	-32.50000	112.00000	-0.32334	111.75	0.0	0.0	0.0
	30.00000	-32.50000	112.00000	-0.28708	111.75	0.0	0.0	0.0
	31.00000	-32.50000	112.00000	-0.25543	111.75	0.0	0.0	0.0
	32.00000	-32.50000	112.00000	-0.22770	111.75	0.0	0.0	0.0
	33.00000	-32.50000	112.00000	-0.20334	111.75	0.0	0.0	0.0
	34.00000	-32.50000	112.00000	-0.18189	111.75	0.0	0.0	0.0
	35.00000	-32.50000	112.00000	-0.16294	111.75	0.0	0.0	0.0
	36.00000	-32.50000	112.00000	-0.14617	111.75	0.0	0.0	0.0
	37.00000	-32.50000	112.00000	-0.13128	111.75	0.0	0.0	0.0
	38.00000	-32.50000	112.00000	-0.11803	111.75	0.0	0.0	0.0
	39.00000	-32.50000	112.00000	-0.10623	111.75	0.0	0.0	0.0
	40.00000	-32.50000	112.00000	-0.095687	111.75	0.0	0.0	0.0
	41.00000	-32.50000	112.00000	-0.086256	111.75	0.0	0.0	0.0
	42.00000	-32.50000	112.00000	-0.077805	111.75	0.0	0.0	0.0
	43.00000	-32.50000	112.00000	-0.070221	111.75	0.0	0.0	0.0
	44.00000	-32.50000	112.00000	-0.063404	111.75	0.0	0.0	0.0
	45.00000	-32.50000	112.00000	-0.057269	111.75	0.0	0.0	0.0
	46.00000	-32.50000	112.00000	-0.051741	111.75	0.0	0.0	0.0
	47.00000	-32.50000	112.00000	-0.046755	111.75	0.0	0.0	0.0
	48.00000	-32.50000	112.00000	-0.042252	111.75	0.0	0.0	0.0
	49.00000	-32.50000	112.00000	-0.038181	111.75	0.0	0.0	0.0
	50.00000	-32.50000	112.00000	-0.034498	111.75	0.0	0.0	0.0
	5.00000	-31.50000	112.00000	-6.9465	111.75	0.0	0.0	0.0
	6.00000	-31.50000	112.00000	-7.2627	111.75	0.0	0.0	0.0
	7.00000	-31.50000	112.00000	-7.2890	111.75	0.0	0.0	0.0
	8.00000	-31.50000	112.00000	-7.0666	111.75	0.0	0.0	0.0
	9.00000	-31.50000	112.00000	-6.5611	111.75	0.0	0.0	0.0
	10.00000	-31.50000	112.00000	-5.5828	111.75	0.0	0.0	0.0
	11.00000	-31.50000	112.00000	-4.4289	111.75	0.0	0.0	0.0
	12.00000	-31.50000	112.00000	-3.7330	111.75	0.0	0.0	0.0
	13.00000	-31.50000	112.00000	-3.2113	111.75	0.0	0.0	0.0
	14.00000	-31.50000	112.00000	-2.7846	111.75	0.0	0.0	0.0
	15.00000	-31.50000	112.00000	-2.4195	111.75	0.0	0.0	0.0
	16.00000	-31.50000	112.00000	-2.0999	111.75	0.0	0.0	0.0
	17.00000	-31.50000	112.00000	-1.8177	111.75	0.0	0.0	0.0
	18.00000	-31.50000	112.00000	-1.5688	111.75	0.0	0.0	0.0
	19.00000	-31.50000	112.00000	-1.3511	111.75	0.0	0.0	0.0
	20.00000	-31.50000	112.00000	-1.1627	111.75	0.0	0.0	0.0
	21.00000	-31.50000	112.00000	-1.0013	111.75	0.0	0.0	0.0
	22.00000	-31.50000	112.00000	-0.86414	111.75	0.0	0.0	0.0
	23.00000	-31.50000	112.00000	-0.74787	111.75	0.0	0.0	0.0
	24.00000	-31.50000	112.00000	-0.64940	111.75	0.0	0.0	0.0
	25.00000	-31.50000	112.00000	-0.56585	111.75	0.0	0.0	0.0
	26.00000	-31.50000	112.00000	-0.49476	111.75	0.0	0.0	0.0
	27.00000	-31.50000	112.00000	-0.43404	111.75	0.0	0.0	0.0
	28.00000	-31.50000	112.00000	-0.38198	111.75	0.0	0.0	0.0
	29.00000	-31.50000	112.00000	-0.33716	111.75	0.0	0.0	0.0
	30.00000	-31.50000	112.00000	-0.29840	111.75	0.0	0.0	0.0
	31.00000	-31.50000	112.00000	-0.26476	111.75	0.0	0.0	0.0
	32.00000	-31.50000	112.00000	-0.23544	111.75	0.0	0.0	0.0
	33.00000	-31.50000	112.00000	-0.20981	111.75	0.0	0.0	0.0
	34.00000	-31.50000	112.00000	-0.18731	111.75	0.0	0.0	0.0
	35.00000	-31.50000	112.00000	-0.16752	111.75	0.0	0.0	0.0
	36.00000	-31.50000	112.00000	-0.15004	111.75	0.0	0.0	0.0
	37.00000	-31.50000	112.00000	-0.13458	111.75	0.0	0.0	0.0
	38.00000	-31.50000	112.00000	-0.12085	111.75	0.0	0.0	0.0
	39.00000	-31.50000	112.00000	-0.10865	111.75	0.0	0.0	0.0
	40.00000	-31.50000	112.00000	-0.097769	111.75	0.0	0.0	0.0
	41.00000	-31.50000	112.00000	-0.088054	111.75	0.0	0.0	0.0
	42.00000	-31.50000	112.00000	-0.079362	111.75	0.0	0.0	0.0
	43.00000	-31.50000	112.00000	-0.071573	111.75	0.0	0.0	0.0
	44.00000	-31.50000	112.00000	-0.064581	111.75	0.0	0.0	0.0
	45.00000	-31.50000	112.00000	-0.058296	111.75	0.0	0.0	0.0
	46.00000	-31.50000	112.00000	-0.052639	111.75	0.0	0.0	0.0
	47.00000	-31.50000	112.00000	-0.047542	111.75	0.0	0.0	0.0
	48.00000	-31.50000	112.00000	-0.042943	111.75	0.0	0.0	0.0
	49.00000	-31.50000	112.00000	-0.038789	111.75	0.0	0.0	0.0
	50.00000	-31.50000	112.00000	-0.035034	111.75	0.0	0.0	0.0
	5.00000	-30.50000	112.00000	-7.5299	111.75	0.0	0.0	0.0
	6.00000	-30.50000	112.00000	-7.8380	111.75	0.0	0.0	0.0
	7.00000	-30.50000	112.00000	-7.9354	111.75	0.0	0.0	0.0
	8.00000	-30.50000	112.00000	-7.8573	111.75	0.0	0.0	0.0
	9.00000	-30.50000	112.00000	-7.6107	111.75	0.0	0.0	0.0
	10.00000	-30.50000	112.00000	-7.1710	111.75	0.0	0.0	0.0
	11.00000	-30.50000	112.00000	-6.4518	111.75	0.0	0.0	0.0
	12.00000	-30.50000	112.00000	-5.1498	111.75	0.0	0.0	0.0
	13.00000	-30.50000	112.00000	-4.1665	111.75	0.0	0.0	0.0
	14.00000	-30.50000	112.00000	-3.4845	111.75	0.0	0.0	0.0
	15.00000	-30.50000	112.00000	-2.9524	111.75	0.0	0.0	0.0
	16.00000	-30.50000	112.00000	-2.5097	111.75	0.0	0.0	0.0
	17.00000	-30.50000	112.00000	-2.1312	111.75	0.0	0.0	0.0
	18.00000	-30.50000	112.00000	-1.8054	111.75	0.0	0.0	0.0
	19.00000	-30.50000	112.00000	-1.5272	111.75	0.0	0.0	0.0
	20.00000	-30.50000	112.00000	-1.2927	111.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	21.00000	-30.50000	112.00000	-1.0974	111.75	0.0	0.0	0.0
	22.00000	-30.50000	112.00000	-0.93564	111.75	0.0	0.0	0.0
	23.00000	-30.50000	112.00000	-0.80167	111.75	0.0	0.0	0.0
	24.00000	-30.50000	112.00000	-0.69038	111.75	0.0	0.0	0.0
	25.00000	-30.50000	112.00000	-0.59746	111.75	0.0	0.0	0.0
	26.00000	-30.50000	112.00000	-0.51944	111.75	0.0	0.0	0.0
	27.00000	-30.50000	112.00000	-0.45353	111.75	0.0	0.0	0.0
	28.00000	-30.50000	112.00000	-0.39753	111.75	0.0	0.0	0.0
	29.00000	-30.50000	112.00000	-0.34967	111.75	0.0	0.0	0.0
	30.00000	-30.50000	112.00000	-0.30857	111.75	0.0	0.0	0.0
	31.00000	-30.50000	112.00000	-0.27308	111.75	0.0	0.0	0.0
	32.00000	-30.50000	112.00000	-0.24231	111.75	0.0	0.0	0.0
	33.00000	-30.50000	112.00000	-0.21551	111.75	0.0	0.0	0.0
	34.00000	-30.50000	112.00000	-0.19208	111.75	0.0	0.0	0.0
	35.00000	-30.50000	112.00000	-0.17152	111.75	0.0	0.0	0.0
	36.00000	-30.50000	112.00000	-0.15343	111.75	0.0	0.0	0.0
	37.00000	-30.50000	112.00000	-0.13745	111.75	0.0	0.0	0.0
	38.00000	-30.50000	112.00000	-0.12330	111.75	0.0	0.0	0.0
	39.00000	-30.50000	112.00000	-0.11074	111.75	0.0	0.0	0.0
	40.00000	-30.50000	112.00000	-0.099565	111.75	0.0	0.0	0.0
	41.00000	-30.50000	112.00000	-0.089602	111.75	0.0	0.0	0.0
	42.00000	-30.50000	112.00000	-0.080700	111.75	0.0	0.0	0.0
	43.00000	-30.50000	112.00000	-0.072732	111.75	0.0	0.0	0.0
	44.00000	-30.50000	112.00000	-0.065589	111.75	0.0	0.0	0.0
	45.00000	-30.50000	112.00000	-0.059174	111.75	0.0	0.0	0.0
	46.00000	-30.50000	112.00000	-0.053407	111.75	0.0	0.0	0.0
	47.00000	-30.50000	112.00000	-0.048213	111.75	0.0	0.0	0.0
	48.00000	-30.50000	112.00000	-0.043532	111.75	0.0	0.0	0.0
	49.00000	-30.50000	112.00000	-0.039306	111.75	0.0	0.0	0.0
	50.00000	-30.50000	112.00000	-0.035489	111.75	0.0	0.0	0.0
	5.00000	-29.50000	112.00000	-7.9469	111.75	0.0	0.0	0.0
	6.00000	-29.50000	112.00000	-8.2462	111.75	0.0	0.0	0.0
	7.00000	-29.50000	112.00000	-8.3791	111.75	0.0	0.0	0.0
	8.00000	-29.50000	112.00000	-8.3735	111.75	0.0	0.0	0.0
	9.00000	-29.50000	112.00000	-8.2418	111.75	0.0	0.0	0.0
	10.00000	-29.50000	112.00000	-7.9834	111.75	0.0	0.0	0.0
	11.00000	-29.50000	112.00000	-7.5814	111.75	0.0	0.0	0.0
	12.00000	-29.50000	112.00000	-6.9872	111.75	0.0	0.0	0.0
	13.00000	-29.50000	112.00000	-6.0760	111.75	0.0	0.0	0.0
	14.00000	-29.50000	112.00000	-4.6680	111.75	0.0	0.0	0.0
	15.00000	-29.50000	112.00000	-3.7529	111.75	0.0	0.0	0.0
	16.00000	-29.50000	112.00000	-3.0810	111.75	0.0	0.0	0.0
	17.00000	-29.50000	112.00000	-2.5429	111.75	0.0	0.0	0.0
	18.00000	-29.50000	112.00000	-2.0978	111.75	0.0	0.0	0.0
	19.00000	-29.50000	112.00000	-1.7310	111.75	0.0	0.0	0.0
	20.00000	-29.50000	112.00000	-1.4339	111.75	0.0	0.0	0.0
	21.00000	-29.50000	112.00000	-1.1962	111.75	0.0	0.0	0.0
	22.00000	-29.50000	112.00000	-1.0060	111.75	0.0	0.0	0.0
	23.00000	-29.50000	112.00000	-0.85288	111.75	0.0	0.0	0.0
	24.00000	-29.50000	112.00000	-0.72840	111.75	0.0	0.0	0.0
	25.00000	-29.50000	112.00000	-0.62621	111.75	0.0	0.0	0.0
	26.00000	-29.50000	112.00000	-0.54152	111.75	0.0	0.0	0.0
	27.00000	-29.50000	112.00000	-0.47074	111.75	0.0	0.0	0.0
	28.00000	-29.50000	112.00000	-0.41111	111.75	0.0	0.0	0.0
	29.00000	-29.50000	112.00000	-0.36051	111.75	0.0	0.0	0.0
	30.00000	-29.50000	112.00000	-0.31731	111.75	0.0	0.0	0.0
	31.00000	-29.50000	112.00000	-0.28019	111.75	0.0	0.0	0.0
	32.00000	-29.50000	112.00000	-0.24814	111.75	0.0	0.0	0.0
	33.00000	-29.50000	112.00000	-0.22033	111.75	0.0	0.0	0.0
	34.00000	-29.50000	112.00000	-0.19609	111.75	0.0	0.0	0.0
	35.00000	-29.50000	112.00000	-0.17488	111.75	0.0	0.0	0.0
	36.00000	-29.50000	112.00000	-0.15625	111.75	0.0	0.0	0.0
	37.00000	-29.50000	112.00000	-0.13983	111.75	0.0	0.0	0.0
	38.00000	-29.50000	112.00000	-0.12533	111.75	0.0	0.0	0.0
	39.00000	-29.50000	112.00000	-0.11247	111.75	0.0	0.0	0.0
	40.00000	-29.50000	112.00000	-0.10105	111.75	0.0	0.0	0.0
	41.00000	-29.50000	112.00000	-0.090878	111.75	0.0	0.0	0.0
	42.00000	-29.50000	112.00000	-0.081801	111.75	0.0	0.0	0.0
	43.00000	-29.50000	112.00000	-0.073685	111.75	0.0	0.0	0.0
	44.00000	-29.50000	112.00000	-0.066416	111.75	0.0	0.0	0.0
	45.00000	-29.50000	112.00000	-0.059894	111.75	0.0	0.0	0.0
	46.00000	-29.50000	112.00000	-0.054034	111.75	0.0	0.0	0.0
	47.00000	-29.50000	112.00000	-0.048762	111.75	0.0	0.0	0.0
	48.00000	-29.50000	112.00000	-0.044012	111.75	0.0	0.0	0.0
	49.00000	-29.50000	112.00000	-0.039728	111.75	0.0	0.0	0.0
	50.00000	-29.50000	112.00000	-0.035860	111.75	0.0	0.0	0.0
	5.00000	-28.50000	112.00000	-8.2222	111.75	0.0	0.0	0.0
	6.00000	-28.50000	112.00000	-8.5164	111.75	0.0	0.0	0.0
	7.00000	-28.50000	112.00000	-8.6699	111.75	0.0	0.0	0.0
	8.00000	-28.50000	112.00000	-8.7068	111.75	0.0	0.0	0.0
	9.00000	-28.50000	112.00000	-8.6401	111.75	0.0	0.0	0.0
	10.00000	-28.50000	112.00000	-8.4747	111.75	0.0	0.0	0.0
	11.00000	-28.50000	112.00000	-8.2073	111.75	0.0	0.0	0.0
	12.00000	-28.50000	112.00000	-7.8249	111.75	0.0	0.0	0.0
	13.00000	-28.50000	112.00000	-7.2974	111.75	0.0	0.0	0.0
	14.00000	-28.50000	112.00000	-6.5546	111.75	0.0	0.0	0.0
	15.00000	-28.50000	112.00000	-5.4122	111.75	0.0	0.0	0.0
	16.00000	-28.50000	112.00000	-4.0232	111.75	0.0	0.0	0.0
	17.00000	-28.50000	112.00000	-3.1446	111.75	0.0	0.0	0.0
	18.00000	-28.50000	112.00000	-2.4814	111.75	0.0	0.0	0.0
	19.00000	-28.50000	112.00000	-1.9693	111.75	0.0	0.0	0.0
	20.00000	-28.50000	112.00000	-1.5826	111.75	0.0	0.0	0.0
	21.00000	-28.50000	112.00000	-1.2925	111.75	0.0	0.0	0.0
	22.00000	-28.50000	112.00000	-1.0711	111.75	0.0	0.0	0.0
	23.00000	-28.50000	112.00000	-0.89852	111.75	0.0	0.0	0.0
	24.00000	-28.50000	112.00000	-0.76140	111.75	0.0	0.0	0.0
	25.00000	-28.50000	112.00000	-0.65067	111.75	0.0	0.0	0.0
	26.00000	-28.50000	112.00000	-0.56002	111.75	0.0	0.0	0.0
	27.00000	-28.50000	112.00000	-0.48498	111.75	0.0	0.0	0.0
	28.00000	-28.50000	112.00000	-0.42223	111.75	0.0	0.0	0.0
	29.00000	-28.50000	112.00000	-0.36931	111.75	0.0	0.0	0.0
	30.00000	-28.50000	112.00000	-0.32434	111.75	0.0	0.0	0.0
	31.00000	-28.50000	112.00000	-0.28588	111.75	0.0	0.0	0.0
	32.00000	-28.50000	112.00000	-0.25278	111.75	0.0	0.0	0.0
	33.00000	-28.50000	112.00000	-0.22414	111.75	0.0	0.0	0.0
	34.00000	-28.50000	112.00000	-0.19925	111.75	0.0	0.0	0.0
	35.00000	-28.50000	112.00000	-0.17751	111.75	0.0	0.0	0.0
	36.00000	-28.50000	112.00000	-0.15846	111.75	0.0	0.0	0.0
	37.00000	-28.50000	112.00000	-0.14170	111.75	0.0	0.0	0.0
	38.00000	-28.50000	112.00000	-0.12691	111.75	0.0	0.0	0.0
	39.00000	-28.50000	112.00000	-0.11382	111.75	0.0	0.0	0.0
	40.00000	-28.50000	112.00000	-0.10220	111.75	0.0	0.0	0.0
	41.00000	-28.50000	112.00000	-0.091864	111.75	0.0	0.0	0.0
	42.00000	-28.50000	112.00000	-0.082650	111.75	0.0	0.0	0.0
	43.00000	-28.50000	112.00000	-0.074418	111.75	0.0	0.0	0.0
	44.00000	-28.50000	112.00000	-0.067051	111.75	0.0	0.0	0.0
	45.00000	-28.50000	112.00000	-0.060446	111.75	0.0	0.0	0.0
	46.00000	-28.50000	112.00000	-0.054515	111.75	0.0	0.0	0.0
	47.00000	-28.50000	112.00000	-0.049182	111.75	0.0	0.0	0.0
	48.00000	-28.50000	112.00000	-0.044380	111.75	0.0	0.0	0.0
	49.00000	-28.50000	112.00000	-0.040050	111.75	0.0	0.0	0.0
	50.00000	-28.50000	112.00000	-0.036143	111.75	0.0	0.0	0.0
	5.00000	-27.50000	112.00000	-8.3693	111.75	0.0	0.0	0.0
	6.00000	-27.50000	112.00000	-8.6620	111.75	0.0	0.0	0.0
	7.00000	-27.50000	112.00000	-8.8283	111.75	0.0	0.0	0.0
	8.00000	-27.50000	112.00000	-8.8919	111.75	0.0	0.0	0.0
	9.00000	-27.50000	112.00000	-8.8662	111.75	0.0	0.0	0.0
	10.00000	-27.50000	112.00000	-8.7575	111.75	0.0	0.0	0.0
	11.00000	-27.50000	112.00000	-8.5662	111.75	0.0	0.0	0.0
	12.00000	-27.50000	112.00000	-8.2868	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	13.00000	-27.50000	112.00000	-7.9070	111.75	0.0	0.0	0.0
	14.00000	-27.50000	112.00000	-7.4039	111.75	0.0	0.0	0.0
	15.00000	-27.50000	112.00000	-6.7341	111.75	0.0	0.0	0.0
	16.00000	-27.50000	112.00000	-5.8021	111.75	0.0	0.0	0.0
	17.00000	-27.50000	112.00000	-4.2931	111.75	0.0	0.0	0.0
	18.00000	-27.50000	112.00000	-3.0637	111.75	0.0	0.0	0.0
	19.00000	-27.50000	112.00000	-2.2475	111.75	0.0	0.0	0.0
	20.00000	-27.50000	112.00000	-1.7265	111.75	0.0	0.0	0.0
	21.00000	-27.50000	112.00000	-1.3767	111.75	0.0	0.0	0.0
	22.00000	-27.50000	112.00000	-1.1249	111.75	0.0	0.0	0.0
	23.00000	-27.50000	112.00000	-0.93494	111.75	0.0	0.0	0.0
	24.00000	-27.50000	112.00000	-0.78710	111.75	0.0	0.0	0.0
	25.00000	-27.50000	112.00000	-0.66936	111.75	0.0	0.0	0.0
	26.00000	-27.50000	112.00000	-0.57396	111.75	0.0	0.0	0.0
	27.00000	-27.50000	112.00000	-0.49557	111.75	0.0	0.0	0.0
	28.00000	-27.50000	112.00000	-0.43042	111.75	0.0	0.0	0.0
	29.00000	-27.50000	112.00000	-0.37573	111.75	0.0	0.0	0.0
	30.00000	-27.50000	112.00000	-0.32944	111.75	0.0	0.0	0.0
	31.00000	-27.50000	112.00000	-0.28997	111.75	0.0	0.0	0.0
	32.00000	-27.50000	112.00000	-0.25610	111.75	0.0	0.0	0.0
	33.00000	-27.50000	112.00000	-0.22686	111.75	0.0	0.0	0.0
	34.00000	-27.50000	112.00000	-0.20148	111.75	0.0	0.0	0.0
	35.00000	-27.50000	112.00000	-0.17937	111.75	0.0	0.0	0.0
	36.00000	-27.50000	112.00000	-0.16001	111.75	0.0	0.0	0.0
	37.00000	-27.50000	112.00000	-0.14300	111.75	0.0	0.0	0.0
	38.00000	-27.50000	112.00000	-0.12801	111.75	0.0	0.0	0.0
	39.00000	-27.50000	112.00000	-0.11475	111.75	0.0	0.0	0.0
	40.00000	-27.50000	112.00000	-0.10299	111.75	0.0	0.0	0.0
	41.00000	-27.50000	112.00000	-0.092545	111.75	0.0	0.0	0.0
	42.00000	-27.50000	112.00000	-0.083235	111.75	0.0	0.0	0.0
	43.00000	-27.50000	112.00000	-0.074923	111.75	0.0	0.0	0.0
	44.00000	-27.50000	112.00000	-0.067487	111.75	0.0	0.0	0.0
	45.00000	-27.50000	112.00000	-0.060824	111.75	0.0	0.0	0.0
	46.00000	-27.50000	112.00000	-0.054844	111.75	0.0	0.0	0.0
	47.00000	-27.50000	112.00000	-0.049468	111.75	0.0	0.0	0.0
	48.00000	-27.50000	112.00000	-0.044630	111.75	0.0	0.0	0.0
	49.00000	-27.50000	112.00000	-0.040270	111.75	0.0	0.0	0.0
	50.00000	-27.50000	112.00000	-0.036336	111.75	0.0	0.0	0.0
	5.00000	-26.50000	112.00000	-8.3950	111.75	0.0	0.0	0.0
	6.00000	-26.50000	112.00000	-8.6862	111.75	0.0	0.0	0.0
	7.00000	-26.50000	112.00000	-8.8595	111.75	0.0	0.0	0.0
	8.00000	-26.50000	112.00000	-8.9398	111.75	0.0	0.0	0.0
	9.00000	-26.50000	112.00000	-8.9414	111.75	0.0	0.0	0.0
	10.00000	-26.50000	112.00000	-8.8711	111.75	0.0	0.0	0.0
	11.00000	-26.50000	112.00000	-8.7296	111.75	0.0	0.0	0.0
	12.00000	-26.50000	112.00000	-8.5125	111.75	0.0	0.0	0.0
	13.00000	-26.50000	112.00000	-8.2099	111.75	0.0	0.0	0.0
	14.00000	-26.50000	112.00000	-7.8062	111.75	0.0	0.0	0.0
	15.00000	-26.50000	112.00000	-7.2768	111.75	0.0	0.0	0.0
	16.00000	-26.50000	112.00000	-6.5808	111.75	0.0	0.0	0.0
	17.00000	-26.50000	112.00000	-5.6371	111.75	0.0	0.0	0.0
	18.00000	-26.50000	112.00000	-4.2536	111.75	0.0	0.0	0.0
	19.00000	-26.50000	112.00000	-2.5163	111.75	0.0	0.0	0.0
	20.00000	-26.50000	112.00000	-1.8330	111.75	0.0	0.0	0.0
	21.00000	-26.50000	112.00000	-1.4344	111.75	0.0	0.0	0.0
	22.00000	-26.50000	112.00000	-1.1604	111.75	0.0	0.0	0.0
	23.00000	-26.50000	112.00000	-0.95842	111.75	0.0	0.0	0.0
	24.00000	-26.50000	112.00000	-0.80334	111.75	0.0	0.0	0.0
	25.00000	-26.50000	112.00000	-0.68098	111.75	0.0	0.0	0.0
	26.00000	-26.50000	112.00000	-0.58249	111.75	0.0	0.0	0.0
	27.00000	-26.50000	112.00000	-0.50197	111.75	0.0	0.0	0.0
	28.00000	-26.50000	112.00000	-0.43530	111.75	0.0	0.0	0.0
	29.00000	-26.50000	112.00000	-0.37951	111.75	0.0	0.0	0.0
	30.00000	-26.50000	112.00000	-0.33241	111.75	0.0	0.0	0.0
	31.00000	-26.50000	112.00000	-0.29233	111.75	0.0	0.0	0.0
	32.00000	-26.50000	112.00000	-0.25799	111.75	0.0	0.0	0.0
	33.00000	-26.50000	112.00000	-0.22839	111.75	0.0	0.0	0.0
	34.00000	-26.50000	112.00000	-0.20274	111.75	0.0	0.0	0.0
	35.00000	-26.50000	112.00000	-0.18040	111.75	0.0	0.0	0.0
	36.00000	-26.50000	112.00000	-0.16087	111.75	0.0	0.0	0.0
	37.00000	-26.50000	112.00000	-0.14371	111.75	0.0	0.0	0.0
	38.00000	-26.50000	112.00000	-0.12861	111.75	0.0	0.0	0.0
	39.00000	-26.50000	112.00000	-0.11526	111.75	0.0	0.0	0.0
	40.00000	-26.50000	112.00000	-0.10342	111.75	0.0	0.0	0.0
	41.00000	-26.50000	112.00000	-0.092910	111.75	0.0	0.0	0.0
	42.00000	-26.50000	112.00000	-0.083547	111.75	0.0	0.0	0.0
	43.00000	-26.50000	112.00000	-0.075190	111.75	0.0	0.0	0.0
	44.00000	-26.50000	112.00000	-0.067718	111.75	0.0	0.0	0.0
	45.00000	-26.50000	112.00000	-0.061023	111.75	0.0	0.0	0.0
	46.00000	-26.50000	112.00000	-0.055016	111.75	0.0	0.0	0.0
	47.00000	-26.50000	112.00000	-0.049618	111.75	0.0	0.0	0.0
	48.00000	-26.50000	112.00000	-0.044760	111.75	0.0	0.0	0.0
	49.00000	-26.50000	112.00000	-0.040383	111.75	0.0	0.0	0.0
	50.00000	-26.50000	112.00000	-0.036435	111.75	0.0	0.0	0.0
Grid 9	-20.00000	-50.00000	112.00000	-0.053385	111.75	0.0	0.0	0.0
	-19.00000	-50.00000	112.00000	-0.057769	111.75	0.0	0.0	0.0
	-18.00000	-50.00000	112.00000	-0.062449	111.75	0.0	0.0	0.0
	-17.00000	-50.00000	112.00000	-0.067437	111.75	0.0	0.0	0.0
	-16.00000	-50.00000	112.00000	-0.072743	111.75	0.0	0.0	0.0
	-15.00000	-50.00000	112.00000	-0.078374	111.75	0.0	0.0	0.0
	-14.00000	-50.00000	112.00000	-0.084333	111.75	0.0	0.0	0.0
	-13.00000	-50.00000	112.00000	-0.090623	111.75	0.0	0.0	0.0
	-12.00000	-50.00000	112.00000	-0.097241	111.75	0.0	0.0	0.0
	-11.00000	-50.00000	112.00000	-0.10418	111.75	0.0	0.0	0.0
	-10.00000	-50.00000	112.00000	-0.11142	111.75	0.0	0.0	0.0
	-9.00000	-50.00000	112.00000	-0.11894	111.75	0.0	0.0	0.0
	-8.00000	-50.00000	112.00000	-0.12671	111.75	0.0	0.0	0.0
	-7.00000	-50.00000	112.00000	-0.13468	111.75	0.0	0.0	0.0
	-6.00000	-50.00000	112.00000	-0.14282	111.75	0.0	0.0	0.0
	-5.00000	-50.00000	112.00000	-0.15106	111.75	0.0	0.0	0.0
	-4.00000	-50.00000	112.00000	-0.15931	111.75	0.0	0.0	0.0
	-3.00000	-50.00000	112.00000	-0.16751	111.75	0.0	0.0	0.0
	-2.00000	-50.00000	112.00000	-0.17554	111.75	0.0	0.0	0.0
	-1.00000	-50.00000	112.00000	-0.18330	111.75	0.0	0.0	0.0
	0.00000	-50.00000	112.00000	-0.19069	111.75	0.0	0.0	0.0
	1.00000	-50.00000	112.00000	-0.19758	111.75	0.0	0.0	0.0
	2.00000	-50.00000	112.00000	-0.20385	111.75	0.0	0.0	0.0
	3.00000	-50.00000	112.00000	-0.20939	111.75	0.0	0.0	0.0
	4.00000	-50.00000	112.00000	-0.21410	111.75	0.0	0.0	0.0
	5.00000	-50.00000	112.00000	-0.21789	111.75	0.0	0.0	0.0
	6.00000	-50.00000	112.00000	-0.22068	111.75	0.0	0.0	0.0
	7.00000	-50.00000	112.00000	-0.22243	111.75	0.0	0.0	0.0
	8.00000	-50.00000	112.00000	-0.22310	111.75	0.0	0.0	0.0
	9.00000	-50.00000	112.00000	-0.22269	111.75	0.0	0.0	0.0
	10.00000	-50.00000	112.00000	-0.22123	111.75	0.0	0.0	0.0
	11.00000	-50.00000	112.00000	-0.21875	111.75	0.0	0.0	0.0
	12.00000	-50.00000	112.00000	-0.21532	111.75	0.0	0.0	0.0
	13.00000	-50.00000	112.00000	-0.21102	111.75	0.0	0.0	0.0
	14.00000	-50.00000	112.00000	-0.20593	111.75	0.0	0.0	0.0
	15.00000	-50.00000	112.00000	-0.20015	111.75	0.0	0.0	0.0
	16.00000	-50.00000	112.00000	-0.19379	111.75	0.0	0.0	0.0
	17.00000	-50.00000	112.00000	-0.18694	111.75	0.0	0.0	0.0
	18.00000	-50.00000	112.00000	-0.17971	111.75	0.0	0.0	0.0
	19.00000	-50.00000	112.00000	-0.17219	111.75	0.0	0.0	0.0
	20.00000	-50.00000	112.00000	-0.16447	111.75	0.0	0.0	0.0
	21.00000	-50.00000	112.00000	-0.15665	111.75	0.0	0.0	0.0
	22.00000	-50.00000	112.00000	-0.14878	111.75	0.0	0.0	0.0
	23.00000	-50.00000	112.00000	-0.14095	111.75	0.0	0.0	0.0
	24.00000	-50.00000	112.00000	-0.13321	111.75	0.0	0.0	0.0
	25.00000	-50.00000	112.00000	-0.12562	111.75	0.0	0.0	0.0

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	26.00000	-50.00000	112.00000	-0.11820	111.75	0.0	0.0	0.0
	27.00000	-50.00000	112.00000	-0.11101	111.75	0.0	0.0	0.0
	28.00000	-50.00000	112.00000	-0.10406	111.75	0.0	0.0	0.0
	29.00000	-50.00000	112.00000	-0.09738	111.75	0.0	0.0	0.0
	30.00000	-50.00000	112.00000	-0.09099	111.75	0.0	0.0	0.0
	31.00000	-50.00000	112.00000	-0.08489	111.75	0.0	0.0	0.0
	32.00000	-50.00000	112.00000	-0.07908	111.75	0.0	0.0	0.0
	33.00000	-50.00000	112.00000	-0.07358	111.75	0.0	0.0	0.0
	34.00000	-50.00000	112.00000	-0.06837	111.75	0.0	0.0	0.0
	35.00000	-50.00000	112.00000	-0.06345	111.75	0.0	0.0	0.0
	36.00000	-50.00000	112.00000	-0.05883	111.75	0.0	0.0	0.0
	37.00000	-50.00000	112.00000	-0.05448	111.75	0.0	0.0	0.0
	38.00000	-50.00000	112.00000	-0.05040	111.75	0.0	0.0	0.0
	39.00000	-50.00000	112.00000	-0.04658	111.75	0.0	0.0	0.0
	40.00000	-50.00000	112.00000	-0.04302	111.75	0.0	0.0	0.0
	41.00000	-50.00000	112.00000	-0.03966	111.75	0.0	0.0	0.0
	42.00000	-50.00000	112.00000	-0.03655	111.75	0.0	0.0	0.0
	43.00000	-50.00000	112.00000	-0.03364	111.75	0.0	0.0	0.0
	44.00000	-50.00000	112.00000	-0.03094	111.75	0.0	0.0	0.0
	45.00000	-50.00000	112.00000	-0.02842	111.75	0.0	0.0	0.0
	46.00000	-50.00000	112.00000	-0.02608	111.75	0.0	0.0	0.0
	47.00000	-50.00000	112.00000	-0.02391	111.75	0.0	0.0	0.0
	48.00000	-50.00000	112.00000	-0.02189	111.75	0.0	0.0	0.0
	49.00000	-50.00000	112.00000	-0.02002	111.75	0.0	0.0	0.0
	50.00000	-50.00000	112.00000	-0.01829	111.75	0.0	0.0	0.0
	-20.00000	-48.96667	112.00000	-0.05709	111.75	0.0	0.0	0.0
	-19.00000	-48.96667	112.00000	-0.06188	111.75	0.0	0.0	0.0
	-18.00000	-48.96667	112.00000	-0.06701	111.75	0.0	0.0	0.0
	-17.00000	-48.96667	112.00000	-0.07250	111.75	0.0	0.0	0.0
	-16.00000	-48.96667	112.00000	-0.07836	111.75	0.0	0.0	0.0
	-15.00000	-48.96667	112.00000	-0.08459	111.75	0.0	0.0	0.0
	-14.00000	-48.96667	112.00000	-0.09122	111.75	0.0	0.0	0.0
	-13.00000	-48.96667	112.00000	-0.09824	111.75	0.0	0.0	0.0
	-12.00000	-48.96667	112.00000	-0.10566	111.75	0.0	0.0	0.0
	-11.00000	-48.96667	112.00000	-0.11347	111.75	0.0	0.0	0.0
	-10.00000	-48.96667	112.00000	-0.12166	111.75	0.0	0.0	0.0
	-9.00000	-48.96667	112.00000	-0.13020	111.75	0.0	0.0	0.0
	-8.00000	-48.96667	112.00000	-0.13907	111.75	0.0	0.0	0.0
	-7.00000	-48.96667	112.00000	-0.14822	111.75	0.0	0.0	0.0
	-6.00000	-48.96667	112.00000	-0.15760	111.75	0.0	0.0	0.0
	-5.00000	-48.96667	112.00000	-0.16714	111.75	0.0	0.0	0.0
	-4.00000	-48.96667	112.00000	-0.17675	111.75	0.0	0.0	0.0
	-3.00000	-48.96667	112.00000	-0.18633	111.75	0.0	0.0	0.0
	-2.00000	-48.96667	112.00000	-0.19576	111.75	0.0	0.0	0.0
	-1.00000	-48.96667	112.00000	-0.20492	111.75	0.0	0.0	0.0
	0.00000	-48.96667	112.00000	-0.21367	111.75	0.0	0.0	0.0
	1.00000	-48.96667	112.00000	-0.22186	111.75	0.0	0.0	0.0
	2.00000	-48.96667	112.00000	-0.22933	111.75	0.0	0.0	0.0
	3.00000	-48.96667	112.00000	-0.23595	111.75	0.0	0.0	0.0
	4.00000	-48.96667	112.00000	-0.24158	111.75	0.0	0.0	0.0
	5.00000	-48.96667	112.00000	-0.24610	111.75	0.0	0.0	0.0
	6.00000	-48.96667	112.00000	-0.24943	111.75	0.0	0.0	0.0
	7.00000	-48.96667	112.00000	-0.25148	111.75	0.0	0.0	0.0
	8.00000	-48.96667	112.00000	-0.25224	111.75	0.0	0.0	0.0
	9.00000	-48.96667	112.00000	-0.25170	111.75	0.0	0.0	0.0
	10.00000	-48.96667	112.00000	-0.24989	111.75	0.0	0.0	0.0
	11.00000	-48.96667	112.00000	-0.24687	111.75	0.0	0.0	0.0
	12.00000	-48.96667	112.00000	-0.24271	111.75	0.0	0.0	0.0
	13.00000	-48.96667	112.00000	-0.23753	111.75	0.0	0.0	0.0
	14.00000	-48.96667	112.00000	-0.23143	111.75	0.0	0.0	0.0
	15.00000	-48.96667	112.00000	-0.22454	111.75	0.0	0.0	0.0
	16.00000	-48.96667	112.00000	-0.21698	111.75	0.0	0.0	0.0
	17.00000	-48.96667	112.00000	-0.20888	111.75	0.0	0.0	0.0
	18.00000	-48.96667	112.00000	-0.20037	111.75	0.0	0.0	0.0
	19.00000	-48.96667	112.00000	-0.19156	111.75	0.0	0.0	0.0
	20.00000	-48.96667	112.00000	-0.18256	111.75	0.0	0.0	0.0
	21.00000	-48.96667	112.00000	-0.17346	111.75	0.0	0.0	0.0
	22.00000	-48.96667	112.00000	-0.16437	111.75	0.0	0.0	0.0
	23.00000	-48.96667	112.00000	-0.15535	111.75	0.0	0.0	0.0
	24.00000	-48.96667	112.00000	-0.14648	111.75	0.0	0.0	0.0
	25.00000	-48.96667	112.00000	-0.13780	111.75	0.0	0.0	0.0
	26.00000	-48.96667	112.00000	-0.12937	111.75	0.0	0.0	0.0
	27.00000	-48.96667	112.00000	-0.12123	111.75	0.0	0.0	0.0
	28.00000	-48.96667	112.00000	-0.11339	111.75	0.0	0.0	0.0
	29.00000	-48.96667	112.00000	-0.10588	111.75	0.0	0.0	0.0
	30.00000	-48.96667	112.00000	-0.098724	111.75	0.0	0.0	0.0
	31.00000	-48.96667	112.00000	-0.091915	111.75	0.0	0.0	0.0
	32.00000	-48.96667	112.00000	-0.085461	111.75	0.0	0.0	0.0
	33.00000	-48.96667	112.00000	-0.079361	111.75	0.0	0.0	0.0
	34.00000	-48.96667	112.00000	-0.073610	111.75	0.0	0.0	0.0
	35.00000	-48.96667	112.00000	-0.068199	111.75	0.0	0.0	0.0
	36.00000	-48.96667	112.00000	-0.063120	111.75	0.0	0.0	0.0
	37.00000	-48.96667	112.00000	-0.058360	111.75	0.0	0.0	0.0
	38.00000	-48.96667	112.00000	-0.053906	111.75	0.0	0.0	0.0
	39.00000	-48.96667	112.00000	-0.049746	111.75	0.0	0.0	0.0
	40.00000	-48.96667	112.00000	-0.045864	111.75	0.0	0.0	0.0
	41.00000	-48.96667	112.00000	-0.042247	111.75	0.0	0.0	0.0
	42.00000	-48.96667	112.00000	-0.038881	111.75	0.0	0.0	0.0
	43.00000	-48.96667	112.00000	-0.035750	111.75	0.0	0.0	0.0
	44.00000	-48.96667	112.00000	-0.032841	111.75	0.0	0.0	0.0
	45.00000	-48.96667	112.00000	-0.030140	111.75	0.0	0.0	0.0
	46.00000	-48.96667	112.00000	-0.027635	111.75	0.0	0.0	0.0
	47.00000	-48.96667	112.00000	-0.025312	111.75	0.0	0.0	0.0
	48.00000	-48.96667	112.00000	-0.023160	111.75	0.0	0.0	0.0
	49.00000	-48.96667	112.00000	-0.021167	111.75	0.0	0.0	0.0
	50.00000	-48.96667	112.00000	-0.019323	111.75	0.0	0.0	0.0
	-20.00000	-47.93333	112.00000	-0.060955	111.75	0.0	0.0	0.0
	-19.00000	-47.93333	112.00000	-0.066183	111.75	0.0	0.0	0.0
	-18.00000	-47.93333	112.00000	-0.071801	111.75	0.0	0.0	0.0
	-17.00000	-47.93333	112.00000	-0.077828	111.75	0.0	0.0	0.0
	-16.00000	-47.93333	112.00000	-0.084284	111.75	0.0	0.0	0.0
	-15.00000	-47.93333	112.00000	-0.091186	111.75	0.0	0.0	0.0
	-14.00000	-47.93333	112.00000	-0.098548	111.75	0.0	0.0	0.0
	-13.00000	-47.93333	112.00000	-0.10638	111.75	0.0	0.0	0.0
	-12.00000	-47.93333	112.00000	-0.11469	111.75	0.0	0.0	0.0
	-11.00000	-47.93333	112.00000	-0.12348	111.75	0.0	0.0	0.0
	-10.00000	-47.93333	112.00000	-0.13274	111.75	0.0	0.0	0.0
	-9.00000	-47.93333	112.00000	-0.14245	111.75	0.0	0.0	0.0
	-8.00000	-47.93333	112.00000	-0.15258	111.75	0.0	0.0	0.0
	-7.00000	-47.93333	112.00000	-0.16309	111.75	0.0	0.0	0.0
	-6.00000	-47.93333	112.00000	-0.17392	111.75	0.0	0.0	0.0
	-5.00000	-47.93333	112.00000	-0.18499	111.75	0.0	0.0	0.0
	-4.00000	-47.93333	112.00000	-0.19620	111.75	0.0	0.0	0.0
	-3.00000	-47.93333	112.00000	-0.20744	111.75	0.0	0.0	0.0
	-2.00000	-47.93333	112.00000	-0.21857	111.75	0.0	0.0	0.0
	-1.00000	-47.93333	112.00000	-0.22943	111.75	0.0	0.0	0.0
	0.00000	-47.93333	112.00000	-0.23984	111.75	0.0	0.0	0.0
	1.00000	-47.93333	112.00000	-0.24963	111.75	0.0	0.0	0.0
	2.00000	-47.93333	112.00000	-0.25859	111.75	0.0	0.0	0.0
	3.00000	-47.93333	112.00000	-0.26654	111.75	0.0	0.0	0.0
	4.00000	-47.93333	112.00000	-0.27331	111.75	0.0	0.0	0.0
	5.00000	-47.93333	112.00000	-0.27874	111.75	0.0	0.0	0.0
	6.00000	-47.93333	112.00000	-0.28272	111.75	0.0	0.0	0.0
	7.00000	-47.93333	112.00000	-0.28516	111.75	0.0	0.0	0.0
	8.00000	-47.93333	112.00000	-0.28601	111.75	0.0	0.0	0.0
	9.00000	-47.93333	112.00000	-0.28529	111.75	0.0	0.0	0.0
	10.00000	-47.93333	112.00000	-0.28303	111.75	0.0	0.0	0.0
	11.00000	-47.93333	112.00000	-0.27930	111.75	0.0	0.0	0.0
	12.00000	-47.93333	112.00000	-0.27424	111.75	0.0	0.0	0.0
	13.00000	-47.93333	112.00000	-0.26795	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	14.00000	-47.93333	112.00000	-0.26060	111.75	0.0	0.0	0.0
	15.00000	-47.93333	112.00000	-0.25233	111.75	0.0	0.0	0.0
	16.00000	-47.93333	112.00000	-0.24331	111.75	0.0	0.0	0.0
	17.00000	-47.93333	112.00000	-0.23370	111.75	0.0	0.0	0.0
	18.00000	-47.93333	112.00000	-0.22364	111.75	0.0	0.0	0.0
	19.00000	-47.93333	112.00000	-0.21329	111.75	0.0	0.0	0.0
	20.00000	-47.93333	112.00000	-0.20276	111.75	0.0	0.0	0.0
	21.00000	-47.93333	112.00000	-0.19217	111.75	0.0	0.0	0.0
	22.00000	-47.93333	112.00000	-0.18163	111.75	0.0	0.0	0.0
	23.00000	-47.93333	112.00000	-0.17123	111.75	0.0	0.0	0.0
	24.00000	-47.93333	112.00000	-0.16104	111.75	0.0	0.0	0.0
	25.00000	-47.93333	112.00000	-0.15113	111.75	0.0	0.0	0.0
	26.00000	-47.93333	112.00000	-0.14154	111.75	0.0	0.0	0.0
	27.00000	-47.93333	112.00000	-0.13230	111.75	0.0	0.0	0.0
	28.00000	-47.93333	112.00000	-0.12346	111.75	0.0	0.0	0.0
	29.00000	-47.93333	112.00000	-0.11502	111.75	0.0	0.0	0.0
	30.00000	-47.93333	112.00000	-0.10701	111.75	0.0	0.0	0.0
	31.00000	-47.93333	112.00000	-0.099413	111.75	0.0	0.0	0.0
	32.00000	-47.93333	112.00000	-0.092242	111.75	0.0	0.0	0.0
	33.00000	-47.93333	112.00000	-0.085488	111.75	0.0	0.0	0.0
	34.00000	-47.93333	112.00000	-0.079141	111.75	0.0	0.0	0.0
	35.00000	-47.93333	112.00000	-0.073190	111.75	0.0	0.0	0.0
	36.00000	-47.93333	112.00000	-0.067621	111.75	0.0	0.0	0.0
	37.00000	-47.93333	112.00000	-0.062418	111.75	0.0	0.0	0.0
	38.00000	-47.93333	112.00000	-0.057564	111.75	0.0	0.0	0.0
	39.00000	-47.93333	112.00000	-0.053041	111.75	0.0	0.0	0.0
	40.00000	-47.93333	112.00000	-0.048834	111.75	0.0	0.0	0.0
	41.00000	-47.93333	112.00000	-0.044922	111.75	0.0	0.0	0.0
	42.00000	-47.93333	112.00000	-0.041290	111.75	0.0	0.0	0.0
	43.00000	-47.93333	112.00000	-0.037921	111.75	0.0	0.0	0.0
	44.00000	-47.93333	112.00000	-0.034797	111.75	0.0	0.0	0.0
	45.00000	-47.93333	112.00000	-0.031902	111.75	0.0	0.0	0.0
	46.00000	-47.93333	112.00000	-0.029223	111.75	0.0	0.0	0.0
	47.00000	-47.93333	112.00000	-0.026743	111.75	0.0	0.0	0.0
	48.00000	-47.93333	112.00000	-0.024450	111.75	0.0	0.0	0.0
	49.00000	-47.93333	112.00000	-0.022331	111.75	0.0	0.0	0.0
	50.00000	-47.93333	112.00000	-0.020372	111.75	0.0	0.0	0.0
	-20.00000	-46.90000	112.00000	-0.064958	111.75	0.0	0.0	0.0
	-19.00000	-46.90000	112.00000	-0.070654	111.75	0.0	0.0	0.0
	-18.00000	-46.90000	112.00000	-0.076794	111.75	0.0	0.0	0.0
	-17.00000	-46.90000	112.00000	-0.083405	111.75	0.0	0.0	0.0
	-16.00000	-46.90000	112.00000	-0.090512	111.75	0.0	0.0	0.0
	-15.00000	-46.90000	112.00000	-0.098140	111.75	0.0	0.0	0.0
	-14.00000	-46.90000	112.00000	-0.10631	111.75	0.0	0.0	0.0
	-13.00000	-46.90000	112.00000	-0.11504	111.75	0.0	0.0	0.0
	-12.00000	-46.90000	112.00000	-0.12435	111.75	0.0	0.0	0.0
	-11.00000	-46.90000	112.00000	-0.13424	111.75	0.0	0.0	0.0
	-10.00000	-46.90000	112.00000	-0.14471	111.75	0.0	0.0	0.0
	-9.00000	-46.90000	112.00000	-0.15575	111.75	0.0	0.0	0.0
	-8.00000	-46.90000	112.00000	-0.16733	111.75	0.0	0.0	0.0
	-7.00000	-46.90000	112.00000	-0.17941	111.75	0.0	0.0	0.0
	-6.00000	-46.90000	112.00000	-0.19193	111.75	0.0	0.0	0.0
	-5.00000	-46.90000	112.00000	-0.20481	111.75	0.0	0.0	0.0
	-4.00000	-46.90000	112.00000	-0.21793	111.75	0.0	0.0	0.0
	-3.00000	-46.90000	112.00000	-0.23117	111.75	0.0	0.0	0.0
	-2.00000	-46.90000	112.00000	-0.24434	111.75	0.0	0.0	0.0
	-1.00000	-46.90000	112.00000	-0.25727	111.75	0.0	0.0	0.0
	0.00000	-46.90000	112.00000	-0.26974	111.75	0.0	0.0	0.0
	1.00000	-46.90000	112.00000	-0.28150	111.75	0.0	0.0	0.0
	2.00000	-46.90000	112.00000	-0.29231	111.75	0.0	0.0	0.0
	3.00000	-46.90000	112.00000	-0.30194	111.75	0.0	0.0	0.0
	4.00000	-46.90000	112.00000	-0.31013	111.75	0.0	0.0	0.0
	5.00000	-46.90000	112.00000	-0.31671	111.75	0.0	0.0	0.0
	6.00000	-46.90000	112.00000	-0.32150	111.75	0.0	0.0	0.0
	7.00000	-46.90000	112.00000	-0.32440	111.75	0.0	0.0	0.0
	8.00000	-46.90000	112.00000	-0.32535	111.75	0.0	0.0	0.0
	9.00000	-46.90000	112.00000	-0.32437	111.75	0.0	0.0	0.0
	10.00000	-46.90000	112.00000	-0.32151	111.75	0.0	0.0	0.0
	11.00000	-46.90000	112.00000	-0.31689	111.75	0.0	0.0	0.0
	12.00000	-46.90000	112.00000	-0.31066	111.75	0.0	0.0	0.0
	13.00000	-46.90000	112.00000	-0.30299	111.75	0.0	0.0	0.0
	14.00000	-46.90000	112.00000	-0.29406	111.75	0.0	0.0	0.0
	15.00000	-46.90000	112.00000	-0.28410	111.75	0.0	0.0	0.0
	16.00000	-46.90000	112.00000	-0.27329	111.75	0.0	0.0	0.0
	17.00000	-46.90000	112.00000	-0.26183	111.75	0.0	0.0	0.0
	18.00000	-46.90000	112.00000	-0.24991	111.75	0.0	0.0	0.0
	19.00000	-46.90000	112.00000	-0.23769	111.75	0.0	0.0	0.0
	20.00000	-46.90000	112.00000	-0.22534	111.75	0.0	0.0	0.0
	21.00000	-46.90000	112.00000	-0.21299	111.75	0.0	0.0	0.0
	22.00000	-46.90000	112.00000	-0.20076	111.75	0.0	0.0	0.0
	23.00000	-46.90000	112.00000	-0.18874	111.75	0.0	0.0	0.0
	24.00000	-46.90000	112.00000	-0.17703	111.75	0.0	0.0	0.0
	25.00000	-46.90000	112.00000	-0.16569	111.75	0.0	0.0	0.0
	26.00000	-46.90000	112.00000	-0.15476	111.75	0.0	0.0	0.0
	27.00000	-46.90000	112.00000	-0.14430	111.75	0.0	0.0	0.0
	28.00000	-46.90000	112.00000	-0.13431	111.75	0.0	0.0	0.0
	29.00000	-46.90000	112.00000	-0.12483	111.75	0.0	0.0	0.0
	30.00000	-46.90000	112.00000	-0.11586	111.75	0.0	0.0	0.0
	31.00000	-46.90000	112.00000	-0.10740	111.75	0.0	0.0	0.0
	32.00000	-46.90000	112.00000	-0.099433	111.75	0.0	0.0	0.0
	33.00000	-46.90000	112.00000	-0.091961	111.75	0.0	0.0	0.0
	34.00000	-46.90000	112.00000	-0.084964	111.75	0.0	0.0	0.0
	35.00000	-46.90000	112.00000	-0.078427	111.75	0.0	0.0	0.0
	36.00000	-46.90000	112.00000	-0.072328	111.75	0.0	0.0	0.0
	37.00000	-46.90000	112.00000	-0.066648	111.75	0.0	0.0	0.0
	38.00000	-46.90000	112.00000	-0.061365	111.75	0.0	0.0	0.0
	39.00000	-46.90000	112.00000	-0.056457	111.75	0.0	0.0	0.0
	40.00000	-46.90000	112.00000	-0.051903	111.75	0.0	0.0	0.0
	41.00000	-46.90000	112.00000	-0.047680	111.75	0.0	0.0	0.0
	42.00000	-46.90000	112.00000	-0.043769	111.75	0.0	0.0	0.0
	43.00000	-46.90000	112.00000	-0.040148	111.75	0.0	0.0	0.0
	44.00000	-46.90000	112.00000	-0.036799	111.75	0.0	0.0	0.0
	45.00000	-46.90000	112.00000	-0.033703	111.75	0.0	0.0	0.0
	46.00000	-46.90000	112.00000	-0.030842	111.75	0.0	0.0	0.0
	47.00000	-46.90000	112.00000	-0.028200	111.75	0.0	0.0	0.0
	48.00000	-46.90000	112.00000	-0.025761	111.75	0.0	0.0	0.0
	49.00000	-46.90000	112.00000	-0.023510	111.75	0.0	0.0	0.0
	50.00000	-46.90000	112.00000	-0.021434	111.75	0.0	0.0	0.0
	-20.00000	-45.86667	112.00000	-0.069091	111.75	0.0	0.0	0.0
	-19.00000	-45.86667	112.00000	-0.075284	111.75	0.0	0.0	0.0
	-18.00000	-45.86667	112.00000	-0.081982	111.75	0.0	0.0	0.0
	-17.00000	-45.86667	112.00000	-0.089221	111.75	0.0	0.0	0.0
	-16.00000	-45.86667	112.00000	-0.097032	111.75	0.0	0.0	0.0
	-15.00000	-45.86667	112.00000	-0.10545	111.75	0.0	0.0	0.0
	-14.00000	-45.86667	112.00000	-0.11451	111.75	0.0	0.0	0.0
	-13.00000	-45.86667	112.00000	-0.12423	111.75	0.0	0.0	0.0
	-12.00000	-45.86667	112.00000	-0.13464	111.75	0.0	0.0	0.0
	-11.00000	-45.86667	112.00000	-0.14576	111.75	0.0	0.0	0.0
	-10.00000	-45.86667	112.00000	-0.15760	111.75	0.0	0.0	0.0
	-9.00000	-45.86667	112.00000	-0.17015	111.75	0.0	0.0	0.0
	-8.00000	-45.86667	112.00000	-0.18339	111.75	0.0	0.0	0.0
	-7.00000	-45.86667	112.00000	-0.19729	111.75	0.0	0.0	0.0
	-6.00000	-45.86667	112.00000	-0.21180	111.75	0.0	0.0	0.0
	-5.00000	-45.86667	112.00000	-0.22681	111.75	0.0	0.0	0.0
	-4.00000	-45.86667	112.00000	-0.24221	111.75	0.0	0.0	0.0
	-3.00000	-45.86667	112.00000	-0.25785	111.75	0.0	0.0	0.0
	-2.00000	-45.86667	112.00000	-0.27352	111.75	0.0	0.0	0.0
	-1.00000	-45.86667	112.00000	-0.28899	111.75	0.0	0.0	0.0
	0.00000	-45.86667	112.00000	-0.30400	111.75	0.0	0.0	0.0
	1.00000	-45.86667	112.00000	-0.31824	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	2.00000	-45.86667	112.00000	-0.33138	111.75	0.0	0.0	0.0
	3.00000	-45.86667	112.00000	-0.34312	111.75	0.0	0.0	0.0
	4.00000	-45.86667	112.00000	-0.35312	111.75	0.0	0.0	0.0
	5.00000	-45.86667	112.00000	-0.36114	111.75	0.0	0.0	0.0
	6.00000	-45.86667	112.00000	-0.36695	111.75	0.0	0.0	0.0
	7.00000	-45.86667	112.00000	-0.37041	111.75	0.0	0.0	0.0
	8.00000	-45.86667	112.00000	-0.37146	111.75	0.0	0.0	0.0
	9.00000	-45.86667	112.00000	-0.37011	111.75	0.0	0.0	0.0
	10.00000	-45.86667	112.00000	-0.36647	111.75	0.0	0.0	0.0
	11.00000	-45.86667	112.00000	-0.36067	111.75	0.0	0.0	0.0
	12.00000	-45.86667	112.00000	-0.35294	111.75	0.0	0.0	0.0
	13.00000	-45.86667	112.00000	-0.34350	111.75	0.0	0.0	0.0
	14.00000	-45.86667	112.00000	-0.33261	111.75	0.0	0.0	0.0
	15.00000	-45.86667	112.00000	-0.32053	111.75	0.0	0.0	0.0
	16.00000	-45.86667	112.00000	-0.30750	111.75	0.0	0.0	0.0
	17.00000	-45.86667	112.00000	-0.29378	111.75	0.0	0.0	0.0
	18.00000	-45.86667	112.00000	-0.27960	111.75	0.0	0.0	0.0
	19.00000	-45.86667	112.00000	-0.26515	111.75	0.0	0.0	0.0
	20.00000	-45.86667	112.00000	-0.25062	111.75	0.0	0.0	0.0
	21.00000	-45.86667	112.00000	-0.23618	111.75	0.0	0.0	0.0
	22.00000	-45.86667	112.00000	-0.22195	111.75	0.0	0.0	0.0
	23.00000	-45.86667	112.00000	-0.20805	111.75	0.0	0.0	0.0
	24.00000	-45.86667	112.00000	-0.19456	111.75	0.0	0.0	0.0
	25.00000	-45.86667	112.00000	-0.18157	111.75	0.0	0.0	0.0
	26.00000	-45.86667	112.00000	-0.16913	111.75	0.0	0.0	0.0
	27.00000	-45.86667	112.00000	-0.15726	111.75	0.0	0.0	0.0
	28.00000	-45.86667	112.00000	-0.14599	111.75	0.0	0.0	0.0
	29.00000	-45.86667	112.00000	-0.13534	111.75	0.0	0.0	0.0
	30.00000	-45.86667	112.00000	-0.12530	111.75	0.0	0.0	0.0
	31.00000	-45.86667	112.00000	-0.11587	111.75	0.0	0.0	0.0
	32.00000	-45.86667	112.00000	-0.10704	111.75	0.0	0.0	0.0
	33.00000	-45.86667	112.00000	-0.098780	111.75	0.0	0.0	0.0
	34.00000	-45.86667	112.00000	-0.091076	111.75	0.0	0.0	0.0
	35.00000	-45.86667	112.00000	-0.083903	111.75	0.0	0.0	0.0
	36.00000	-45.86667	112.00000	-0.077234	111.75	0.0	0.0	0.0
	37.00000	-45.86667	112.00000	-0.071043	111.75	0.0	0.0	0.0
	38.00000	-45.86667	112.00000	-0.065302	111.75	0.0	0.0	0.0
	39.00000	-45.86667	112.00000	-0.059984	111.75	0.0	0.0	0.0
	40.00000	-45.86667	112.00000	-0.055063	111.75	0.0	0.0	0.0
	41.00000	-45.86667	112.00000	-0.050512	111.75	0.0	0.0	0.0
	42.00000	-45.86667	112.00000	-0.046308	111.75	0.0	0.0	0.0
	43.00000	-45.86667	112.00000	-0.042425	111.75	0.0	0.0	0.0
	44.00000	-45.86667	112.00000	-0.038841	111.75	0.0	0.0	0.0
	45.00000	-45.86667	112.00000	-0.035535	111.75	0.0	0.0	0.0
	46.00000	-45.86667	112.00000	-0.032486	111.75	0.0	0.0	0.0
	47.00000	-45.86667	112.00000	-0.029676	111.75	0.0	0.0	0.0
	48.00000	-45.86667	112.00000	-0.027086	111.75	0.0	0.0	0.0
	49.00000	-45.86667	112.00000	-0.024701	111.75	0.0	0.0	0.0
	50.00000	-45.86667	112.00000	-0.022504	111.75	0.0	0.0	0.0
	-20.00000	-44.83333	112.00000	-0.073336	111.75	0.0	0.0	0.0
	-19.00000	-44.83333	112.00000	-0.080056	111.75	0.0	0.0	0.0
	-18.00000	-44.83333	112.00000	-0.087349	111.75	0.0	0.0	0.0
	-17.00000	-44.83333	112.00000	-0.095259	111.75	0.0	0.0	0.0
	-16.00000	-44.83333	112.00000	-0.10393	111.75	0.0	0.0	0.0
	-15.00000	-44.83333	112.00000	-0.11310	111.75	0.0	0.0	0.0
	-14.00000	-44.83333	112.00000	-0.12312	111.75	0.0	0.0	0.0
	-13.00000	-44.83333	112.00000	-0.13393	111.75	0.0	0.0	0.0
	-12.00000	-44.83333	112.00000	-0.14557	111.75	0.0	0.0	0.0
	-11.00000	-44.83333	112.00000	-0.15806	111.75	0.0	0.0	0.0
	-10.00000	-44.83333	112.00000	-0.17143	111.75	0.0	0.0	0.0
	-9.00000	-44.83333	112.00000	-0.18570	111.75	0.0	0.0	0.0
	-8.00000	-44.83333	112.00000	-0.20085	111.75	0.0	0.0	0.0
	-7.00000	-44.83333	112.00000	-0.21686	111.75	0.0	0.0	0.0
	-6.00000	-44.83333	112.00000	-0.23368	111.75	0.0	0.0	0.0
	-5.00000	-44.83333	112.00000	-0.25121	111.75	0.0	0.0	0.0
	-4.00000	-44.83333	112.00000	-0.26934	111.75	0.0	0.0	0.0
	-3.00000	-44.83333	112.00000	-0.28788	111.75	0.0	0.0	0.0
	-2.00000	-44.83333	112.00000	-0.30660	111.75	0.0	0.0	0.0
	-1.00000	-44.83333	112.00000	-0.32522	111.75	0.0	0.0	0.0
	0.00000	-44.83333	112.00000	-0.34341	111.75	0.0	0.0	0.0
	1.00000	-44.83333	112.00000	-0.36077	111.75	0.0	0.0	0.0
	2.00000	-44.83333	112.00000	-0.37688	111.75	0.0	0.0	0.0
	3.00000	-44.83333	112.00000	-0.39132	111.75	0.0	0.0	0.0
	4.00000	-44.83333	112.00000	-0.40365	111.75	0.0	0.0	0.0
	5.00000	-44.83333	112.00000	-0.41351	111.75	0.0	0.0	0.0
	6.00000	-44.83333	112.00000	-0.42061	111.75	0.0	0.0	0.0
	7.00000	-44.83333	112.00000	-0.42475	111.75	0.0	0.0	0.0
	8.00000	-44.83333	112.00000	-0.42587	111.75	0.0	0.0	0.0
	9.00000	-44.83333	112.00000	-0.42400	111.75	0.0	0.0	0.0
	10.00000	-44.83333	112.00000	-0.41929	111.75	0.0	0.0	0.0
	11.00000	-44.83333	112.00000	-0.41195	111.75	0.0	0.0	0.0
	12.00000	-44.83333	112.00000	-0.40227	111.75	0.0	0.0	0.0
	13.00000	-44.83333	112.00000	-0.39057	111.75	0.0	0.0	0.0
	14.00000	-44.83333	112.00000	-0.37718	111.75	0.0	0.0	0.0
	15.00000	-44.83333	112.00000	-0.36244	111.75	0.0	0.0	0.0
	16.00000	-44.83333	112.00000	-0.34667	111.75	0.0	0.0	0.0
	17.00000	-44.83333	112.00000	-0.33017	111.75	0.0	0.0	0.0
	18.00000	-44.83333	112.00000	-0.31322	111.75	0.0	0.0	0.0
	19.00000	-44.83333	112.00000	-0.29608	111.75	0.0	0.0	0.0
	20.00000	-44.83333	112.00000	-0.27894	111.75	0.0	0.0	0.0
	21.00000	-44.83333	112.00000	-0.26201	111.75	0.0	0.0	0.0
	22.00000	-44.83333	112.00000	-0.24542	111.75	0.0	0.0	0.0
	23.00000	-44.83333	112.00000	-0.22931	111.75	0.0	0.0	0.0
	24.00000	-44.83333	112.00000	-0.21378	111.75	0.0	0.0	0.0
	25.00000	-44.83333	112.00000	-0.19889	111.75	0.0	0.0	0.0
	26.00000	-44.83333	112.00000	-0.18470	111.75	0.0	0.0	0.0
	27.00000	-44.83333	112.00000	-0.17124	111.75	0.0	0.0	0.0
	28.00000	-44.83333	112.00000	-0.15852	111.75	0.0	0.0	0.0
	29.00000	-44.83333	112.00000	-0.14656	111.75	0.0	0.0	0.0
	30.00000	-44.83333	112.00000	-0.13534	111.75	0.0	0.0	0.0
	31.00000	-44.83333	112.00000	-0.12484	111.75	0.0	0.0	0.0
	32.00000	-44.83333	112.00000	-0.11505	111.75	0.0	0.0	0.0
	33.00000	-44.83333	112.00000	-0.10594	111.75	0.0	0.0	0.0
	34.00000	-44.83333	112.00000	-0.097466	111.75	0.0	0.0	0.0
	35.00000	-44.83333	112.00000	-0.089607	111.75	0.0	0.0	0.0
	36.00000	-44.83333	112.00000	-0.082326	111.75	0.0	0.0	0.0
	37.00000	-44.83333	112.00000	-0.075589	111.75	0.0	0.0	0.0
	38.00000	-44.83333	112.00000	-0.069362	111.75	0.0	0.0	0.0
	39.00000	-44.83333	112.00000	-0.063610	111.75	0.0	0.0	0.0
	40.00000	-44.83333	112.00000	-0.058303	111.75	0.0	0.0	0.0
	41.00000	-44.83333	112.00000	-0.053408	111.75	0.0	0.0	0.0
	42.00000	-44.83333	112.00000	-0.048897	111.75	0.0	0.0	0.0
	43.00000	-44.83333	112.00000	-0.044741	111.75	0.0	0.0	0.0
	44.00000	-44.83333	112.00000	-0.040913	111.75	0.0	0.0	0.0
	45.00000	-44.83333	112.00000	-0.037390	111.75	0.0	0.0	0.0
	46.00000	-44.83333	112.00000	-0.034148	111.75	0.0	0.0	0.0
	47.00000	-44.83333	112.00000	-0.031165	111.75	0.0	0.0	0.0
	48.00000	-44.83333	112.00000	-0.028421	111.75	0.0	0.0	0.0
	49.00000	-44.83333	112.00000	-0.025898	111.75	0.0	0.0	0.0
	50.00000	-44.83333	112.00000	-0.023578	111.75	0.0	0.0	0.0
	-20.00000	-43.80000	112.00000	-0.077675	111.75	0.0	0.0	0.0
	-19.00000	-43.80000	112.00000	-0.084949	111.75	0.0	0.0	0.0
	-18.00000	-43.80000	112.00000	-0.092871	111.75	0.0	0.0	0.0
	-17.00000	-43.80000	112.00000	-0.10150	111.75	0.0	0.0	0.0
	-16.00000	-43.80000	112.00000	-0.11088	111.75	0.0	0.0	0.0
	-15.00000	-43.80000	112.00000	-0.12107	111.75	0.0	0.0	0.0
	-14.00000	-43.80000	112.00000	-0.13214	111.75	0.0	0.0	0.0
	-13.00000	-43.80000	112.00000	-0.14413	111.75	0.0	0.0	0.0
	-12.00000	-43.80000	112.00000	-0.15711	111.75	0.0	0.0	0.0
	-11.00000	-43.80000	112.00000	-0.17113	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
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Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	-10.00000	-43.80000	112.00000	-0.18623	111.75	0.0	0.0	0.0
	-9.00000	-43.80000	112.00000	-0.20243	111.75	0.0	0.0	0.0
	-8.00000	-43.80000	112.00000	-0.21976	111.75	0.0	0.0	0.0
	-7.00000	-43.80000	112.00000	-0.23821	111.75	0.0	0.0	0.0
	-6.00000	-43.80000	112.00000	-0.25773	111.75	0.0	0.0	0.0
	-5.00000	-43.80000	112.00000	-0.27825	111.75	0.0	0.0	0.0
	-4.00000	-43.80000	112.00000	-0.29964	111.75	0.0	0.0	0.0
	-3.00000	-43.80000	112.00000	-0.32170	111.75	0.0	0.0	0.0
	-2.00000	-43.80000	112.00000	-0.34417	111.75	0.0	0.0	0.0
	-1.00000	-43.80000	112.00000	-0.36671	111.75	0.0	0.0	0.0
	0.00000	-43.80000	112.00000	-0.38891	111.75	0.0	0.0	0.0
	1.00000	-43.80000	112.00000	-0.41025	111.75	0.0	0.0	0.0
	2.00000	-43.80000	112.00000	-0.43019	111.75	0.0	0.0	0.0
	3.00000	-43.80000	112.00000	-0.44812	111.75	0.0	0.0	0.0
	4.00000	-43.80000	112.00000	-0.46347	111.75	0.0	0.0	0.0
	5.00000	-43.80000	112.00000	-0.47573	111.75	0.0	0.0	0.0
	6.00000	-43.80000	112.00000	-0.48447	111.75	0.0	0.0	0.0
	7.00000	-43.80000	112.00000	-0.48946	111.75	0.0	0.0	0.0
	8.00000	-43.80000	112.00000	-0.49060	111.75	0.0	0.0	0.0
	9.00000	-43.80000	112.00000	-0.48797	111.75	0.0	0.0	0.0
	10.00000	-43.80000	112.00000	-0.48178	111.75	0.0	0.0	0.0
	11.00000	-43.80000	112.00000	-0.47237	111.75	0.0	0.0	0.0
	12.00000	-43.80000	112.00000	-0.46013	111.75	0.0	0.0	0.0
	13.00000	-43.80000	112.00000	-0.44550	111.75	0.0	0.0	0.0
	14.00000	-43.80000	112.00000	-0.42892	111.75	0.0	0.0	0.0
	15.00000	-43.80000	112.00000	-0.41082	111.75	0.0	0.0	0.0
	16.00000	-43.80000	112.00000	-0.39162	111.75	0.0	0.0	0.0
	17.00000	-43.80000	112.00000	-0.37169	111.75	0.0	0.0	0.0
	18.00000	-43.80000	112.00000	-0.35137	111.75	0.0	0.0	0.0
	19.00000	-43.80000	112.00000	-0.33095	111.75	0.0	0.0	0.0
	20.00000	-43.80000	112.00000	-0.31068	111.75	0.0	0.0	0.0
	21.00000	-43.80000	112.00000	-0.29078	111.75	0.0	0.0	0.0
	22.00000	-43.80000	112.00000	-0.27142	111.75	0.0	0.0	0.0
	23.00000	-43.80000	112.00000	-0.25272	111.75	0.0	0.0	0.0
	24.00000	-43.80000	112.00000	-0.23480	111.75	0.0	0.0	0.0
	25.00000	-43.80000	112.00000	-0.21773	111.75	0.0	0.0	0.0
	26.00000	-43.80000	112.00000	-0.20155	111.75	0.0	0.0	0.0
	27.00000	-43.80000	112.00000	-0.18628	111.75	0.0	0.0	0.0
	28.00000	-43.80000	112.00000	-0.17194	111.75	0.0	0.0	0.0
	29.00000	-43.80000	112.00000	-0.15851	111.75	0.0	0.0	0.0
	30.00000	-43.80000	112.00000	-0.14598	111.75	0.0	0.0	0.0
	31.00000	-43.80000	112.00000	-0.13431	111.75	0.0	0.0	0.0
	32.00000	-43.80000	112.00000	-0.12347	111.75	0.0	0.0	0.0
	33.00000	-43.80000	112.00000	-0.11342	111.75	0.0	0.0	0.0
	34.00000	-43.80000	112.00000	-0.10412	111.75	0.0	0.0	0.0
	35.00000	-43.80000	112.00000	-0.095524	111.75	0.0	0.0	0.0
	36.00000	-43.80000	112.00000	-0.087589	111.75	0.0	0.0	0.0
	37.00000	-43.80000	112.00000	-0.080272	111.75	0.0	0.0	0.0
	38.00000	-43.80000	112.00000	-0.073530	111.75	0.0	0.0	0.0
	39.00000	-43.80000	112.00000	-0.067322	111.75	0.0	0.0	0.0
	40.00000	-43.80000	112.00000	-0.061609	111.75	0.0	0.0	0.0
	41.00000	-43.80000	112.00000	-0.056355	111.75	0.0	0.0	0.0
	42.00000	-43.80000	112.00000	-0.051525	111.75	0.0	0.0	0.0
	43.00000	-43.80000	112.00000	-0.047086	111.75	0.0	0.0	0.0
	44.00000	-43.80000	112.00000	-0.043007	111.75	0.0	0.0	0.0
	45.00000	-43.80000	112.00000	-0.039260	111.75	0.0	0.0	0.0
	46.00000	-43.80000	112.00000	-0.035820	111.75	0.0	0.0	0.0
	47.00000	-43.80000	112.00000	-0.032660	111.75	0.0	0.0	0.0
	48.00000	-43.80000	112.00000	-0.029759	111.75	0.0	0.0	0.0
	49.00000	-43.80000	112.00000	-0.027096	111.75	0.0	0.0	0.0
	50.00000	-43.80000	112.00000	-0.024651	111.75	0.0	0.0	0.0
	-20.00000	-42.76667	112.00000	-0.082082	111.75	0.0	0.0	0.0
	-19.00000	-42.76667	112.00000	-0.089935	111.75	0.0	0.0	0.0
	-18.00000	-42.76667	112.00000	-0.098520	111.75	0.0	0.0	0.0
	-17.00000	-42.76667	112.00000	-0.10790	111.75	0.0	0.0	0.0
	-16.00000	-42.76667	112.00000	-0.11814	111.75	0.0	0.0	0.0
	-15.00000	-42.76667	112.00000	-0.12933	111.75	0.0	0.0	0.0
	-14.00000	-42.76667	112.00000	-0.14152	111.75	0.0	0.0	0.0
	-13.00000	-42.76667	112.00000	-0.15481	111.75	0.0	0.0	0.0
	-12.00000	-42.76667	112.00000	-0.16926	111.75	0.0	0.0	0.0
	-11.00000	-42.76667	112.00000	-0.18496	111.75	0.0	0.0	0.0
	-10.00000	-42.76667	112.00000	-0.20198	111.75	0.0	0.0	0.0
	-9.00000	-42.76667	112.00000	-0.22037	111.75	0.0	0.0	0.0
	-8.00000	-42.76667	112.00000	-0.24018	111.75	0.0	0.0	0.0
	-7.00000	-42.76667	112.00000	-0.26143	111.75	0.0	0.0	0.0
	-6.00000	-42.76667	112.00000	-0.28411	111.75	0.0	0.0	0.0
	-5.00000	-42.76667	112.00000	-0.30815	111.75	0.0	0.0	0.0
	-4.00000	-42.76667	112.00000	-0.33344	111.75	0.0	0.0	0.0
	-3.00000	-42.76667	112.00000	-0.35979	111.75	0.0	0.0	0.0
	-2.00000	-42.76667	112.00000	-0.38689	111.75	0.0	0.0	0.0
	-1.00000	-42.76667	112.00000	-0.41434	111.75	0.0	0.0	0.0
	0.00000	-42.76667	112.00000	-0.44163	111.75	0.0	0.0	0.0
	1.00000	-42.76667	112.00000	-0.46812	111.75	0.0	0.0	0.0
	2.00000	-42.76667	112.00000	-0.49304	111.75	0.0	0.0	0.0
	3.00000	-42.76667	112.00000	-0.51558	111.75	0.0	0.0	0.0
	4.00000	-42.76667	112.00000	-0.53493	111.75	0.0	0.0	0.0
	5.00000	-42.76667	112.00000	-0.55034	111.75	0.0	0.0	0.0
	6.00000	-42.76667	112.00000	-0.56123	111.75	0.0	0.0	0.0
	7.00000	-42.76667	112.00000	-0.56725	111.75	0.0	0.0	0.0
	8.00000	-42.76667	112.00000	-0.56830	111.75	0.0	0.0	0.0
	9.00000	-42.76667	112.00000	-0.56452	111.75	0.0	0.0	0.0
	10.00000	-42.76667	112.00000	-0.55628	111.75	0.0	0.0	0.0
	11.00000	-42.76667	112.00000	-0.54404	111.75	0.0	0.0	0.0
	12.00000	-42.76667	112.00000	-0.52839	111.75	0.0	0.0	0.0
	13.00000	-42.76667	112.00000	-0.50993	111.75	0.0	0.0	0.0
	14.00000	-42.76667	112.00000	-0.48924	111.75	0.0	0.0	0.0
	15.00000	-42.76667	112.00000	-0.46688	111.75	0.0	0.0	0.0
	16.00000	-42.76667	112.00000	-0.44338	111.75	0.0	0.0	0.0
	17.00000	-42.76667	112.00000	-0.41919	111.75	0.0	0.0	0.0
	18.00000	-42.76667	112.00000	-0.39472	111.75	0.0	0.0	0.0
	19.00000	-42.76667	112.00000	-0.37033	111.75	0.0	0.0	0.0
	20.00000	-42.76667	112.00000	-0.34629	111.75	0.0	0.0	0.0
	21.00000	-42.76667	112.00000	-0.32285	111.75	0.0	0.0	0.0
	22.00000	-42.76667	112.00000	-0.30020	111.75	0.0	0.0	0.0
	23.00000	-42.76667	112.00000	-0.27848	111.75	0.0	0.0	0.0
	24.00000	-42.76667	112.00000	-0.25779	111.75	0.0	0.0	0.0
	25.00000	-42.76667	112.00000	-0.23819	111.75	0.0	0.0	0.0
	26.00000	-42.76667	112.00000	-0.21974	111.75	0.0	0.0	0.0
	27.00000	-42.76667	112.00000	-0.20243	111.75	0.0	0.0	0.0
	28.00000	-42.76667	112.00000	-0.18626	111.75	0.0	0.0	0.0
	29.00000	-42.76667	112.00000	-0.17119	111.75	0.0	0.0	0.0
	30.00000	-42.76667	112.00000	-0.15721	111.75	0.0	0.0	0.0
	31.00000	-42.76667	112.00000	-0.14425	111.75	0.0	0.0	0.0
	32.00000	-42.76667	112.00000	-0.13227	111.75	0.0	0.0	0.0
	33.00000	-42.76667	112.00000	-0.12121	111.75	0.0	0.0	0.0
	34.00000	-42.76667	112.00000	-0.11102	111.75	0.0	0.0	0.0
	35.00000	-42.76667	112.00000	-0.10163	111.75	0.0	0.0	0.0
	36.00000	-42.76667	112.00000	-0.093002	111.75	0.0	0.0	0.0
	37.00000	-42.76667	112.00000	-0.085070	111.75	0.0	0.0	0.0
	38.00000	-42.76667	112.00000	-0.077786	111.75	0.0	0.0	0.0
	39.00000	-42.76667	112.00000	-0.071100	111.75	0.0	0.0	0.0
	40.00000	-42.76667	112.00000	-0.064965	111.75	0.0	0.0	0.0
	41.00000	-42.76667	112.00000	-0.059338	111.75	0.0	0.0	0.0
	42.00000	-42.76667	112.00000	-0.054178	111.75	0.0	0.0	0.0
	43.00000	-42.76667	112.00000	-0.049448	111.75	0.0	0.0	0.0
	44.00000	-42.76667	112.00000	-0.045111	111.75	0.0	0.0	0.0
	45.00000	-42.76667	112.00000	-0.041136	111.75	0.0	0.0	0.0
	46.00000	-42.76667	112.00000	-0.037492	111.75	0.0	0.0	0.0
	47.00000	-42.76667	112.00000	-0.034153	111.75	0.0	0.0	0.0
	48.00000	-42.76667	112.00000	-0.031092	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	49.00000	-42.76667	112.00000	-0.028288	111.75	0.0	0.0	0.0
	50.00000	-42.76667	112.00000	-0.025717	111.75	0.0	0.0	0.0
	-20.00000	-41.73333	112.00000	-0.086529	111.75	0.0	0.0	0.0
	-19.00000	-41.73333	112.00000	-0.094985	111.75	0.0	0.0	0.0
	-18.00000	-41.73333	112.00000	-0.10426	111.75	0.0	0.0	0.0
	-17.00000	-41.73333	112.00000	-0.11443	111.75	0.0	0.0	0.0
	-16.00000	-41.73333	112.00000	-0.12559	111.75	0.0	0.0	0.0
	-15.00000	-41.73333	112.00000	-0.13782	111.75	0.0	0.0	0.0
	-14.00000	-41.73333	112.00000	-0.15122	111.75	0.0	0.0	0.0
	-13.00000	-41.73333	112.00000	-0.16590	111.75	0.0	0.0	0.0
	-12.00000	-41.73333	112.00000	-0.18196	111.75	0.0	0.0	0.0
	-11.00000	-41.73333	112.00000	-0.19951	111.75	0.0	0.0	0.0
	-10.00000	-41.73333	112.00000	-0.21865	111.75	0.0	0.0	0.0
	-9.00000	-41.73333	112.00000	-0.23949	111.75	0.0	0.0	0.0
	-8.00000	-41.73333	112.00000	-0.26212	111.75	0.0	0.0	0.0
	-7.00000	-41.73333	112.00000	-0.28658	111.75	0.0	0.0	0.0
	-6.00000	-41.73333	112.00000	-0.31293	111.75	0.0	0.0	0.0
	-5.00000	-41.73333	112.00000	-0.34113	111.75	0.0	0.0	0.0
	-4.00000	-41.73333	112.00000	-0.37110	111.75	0.0	0.0	0.0
	-3.00000	-41.73333	112.00000	-0.40265	111.75	0.0	0.0	0.0
	-2.00000	-41.73333	112.00000	-0.43548	111.75	0.0	0.0	0.0
	-1.00000	-41.73333	112.00000	-0.46913	111.75	0.0	0.0	0.0
	0.00000	-41.73333	112.00000	-0.50296	111.75	0.0	0.0	0.0
	1.00000	-41.73333	112.00000	-0.53615	111.75	0.0	0.0	0.0
	2.00000	-41.73333	112.00000	-0.56769	111.75	0.0	0.0	0.0
	3.00000	-41.73333	112.00000	-0.59643	111.75	0.0	0.0	0.0
	4.00000	-41.73333	112.00000	-0.62118	111.75	0.0	0.0	0.0
	5.00000	-41.73333	112.00000	-0.64083	111.75	0.0	0.0	0.0
	6.00000	-41.73333	112.00000	-0.65454	111.75	0.0	0.0	0.0
	7.00000	-41.73333	112.00000	-0.66180	111.75	0.0	0.0	0.0
	8.00000	-41.73333	112.00000	-0.66252	111.75	0.0	0.0	0.0
	9.00000	-41.73333	112.00000	-0.65700	111.75	0.0	0.0	0.0
	10.00000	-41.73333	112.00000	-0.64580	111.75	0.0	0.0	0.0
	11.00000	-41.73333	112.00000	-0.62967	111.75	0.0	0.0	0.0
	12.00000	-41.73333	112.00000	-0.60943	111.75	0.0	0.0	0.0
	13.00000	-41.73333	112.00000	-0.58590	111.75	0.0	0.0	0.0
	14.00000	-41.73333	112.00000	-0.55987	111.75	0.0	0.0	0.0
	15.00000	-41.73333	112.00000	-0.53207	111.75	0.0	0.0	0.0
	16.00000	-41.73333	112.00000	-0.50314	111.75	0.0	0.0	0.0
	17.00000	-41.73333	112.00000	-0.47365	111.75	0.0	0.0	0.0
	18.00000	-41.73333	112.00000	-0.44408	111.75	0.0	0.0	0.0
	19.00000	-41.73333	112.00000	-0.41483	111.75	0.0	0.0	0.0
	20.00000	-41.73333	112.00000	-0.38624	111.75	0.0	0.0	0.0
	21.00000	-41.73333	112.00000	-0.35858	111.75	0.0	0.0	0.0
	22.00000	-41.73333	112.00000	-0.33203	111.75	0.0	0.0	0.0
	23.00000	-41.73333	112.00000	-0.30676	111.75	0.0	0.0	0.0
	24.00000	-41.73333	112.00000	-0.28285	111.75	0.0	0.0	0.0
	25.00000	-41.73333	112.00000	-0.26037	111.75	0.0	0.0	0.0
	26.00000	-41.73333	112.00000	-0.23932	111.75	0.0	0.0	0.0
	27.00000	-41.73333	112.00000	-0.21970	111.75	0.0	0.0	0.0
	28.00000	-41.73333	112.00000	-0.20147	111.75	0.0	0.0	0.0
	29.00000	-41.73333	112.00000	-0.18460	111.75	0.0	0.0	0.0
	30.00000	-41.73333	112.00000	-0.16901	111.75	0.0	0.0	0.0
	31.00000	-41.73333	112.00000	-0.15464	111.75	0.0	0.0	0.0
	32.00000	-41.73333	112.00000	-0.14142	111.75	0.0	0.0	0.0
	33.00000	-41.73333	112.00000	-0.12927	111.75	0.0	0.0	0.0
	34.00000	-41.73333	112.00000	-0.11813	111.75	0.0	0.0	0.0
	35.00000	-41.73333	112.00000	-0.10790	111.75	0.0	0.0	0.0
	36.00000	-41.73333	112.00000	-0.098537	111.75	0.0	0.0	0.0
	37.00000	-41.73333	112.00000	-0.089960	111.75	0.0	0.0	0.0
	38.00000	-41.73333	112.00000	-0.082109	111.75	0.0	0.0	0.0
	39.00000	-41.73333	112.00000	-0.074925	111.75	0.0	0.0	0.0
	40.00000	-41.73333	112.00000	-0.068353	111.75	0.0	0.0	0.0
	41.00000	-41.73333	112.00000	-0.062341	111.75	0.0	0.0	0.0
	42.00000	-41.73333	112.00000	-0.056842	111.75	0.0	0.0	0.0
	43.00000	-41.73333	112.00000	-0.051812	111.75	0.0	0.0	0.0
	44.00000	-41.73333	112.00000	-0.047212	111.75	0.0	0.0	0.0
	45.00000	-41.73333	112.00000	-0.043005	111.75	0.0	0.0	0.0
	46.00000	-41.73333	112.00000	-0.039156	111.75	0.0	0.0	0.0
	47.00000	-41.73333	112.00000	-0.035635	111.75	0.0	0.0	0.0
	48.00000	-41.73333	112.00000	-0.032414	111.75	0.0	0.0	0.0
	49.00000	-41.73333	112.00000	-0.029467	111.75	0.0	0.0	0.0
	50.00000	-41.73333	112.00000	-0.026769	111.75	0.0	0.0	0.0
	-20.00000	-40.70000	112.00000	-0.090984	111.75	0.0	0.0	0.0
	-19.00000	-40.70000	112.00000	-0.10006	111.75	0.0	0.0	0.0
	-18.00000	-40.70000	112.00000	-0.11005	111.75	0.0	0.0	0.0
	-17.00000	-40.70000	112.00000	-0.12105	111.75	0.0	0.0	0.0
	-16.00000	-40.70000	112.00000	-0.13316	111.75	0.0	0.0	0.0
	-15.00000	-40.70000	112.00000	-0.14650	111.75	0.0	0.0	0.0
	-14.00000	-40.70000	112.00000	-0.16118	111.75	0.0	0.0	0.0
	-13.00000	-40.70000	112.00000	-0.17735	111.75	0.0	0.0	0.0
	-12.00000	-40.70000	112.00000	-0.19514	111.75	0.0	0.0	0.0
	-11.00000	-40.70000	112.00000	-0.21471	111.75	0.0	0.0	0.0
	-10.00000	-40.70000	112.00000	-0.23619	111.75	0.0	0.0	0.0
	-9.00000	-40.70000	112.00000	-0.25976	111.75	0.0	0.0	0.0
	-8.00000	-40.70000	112.00000	-0.28555	111.75	0.0	0.0	0.0
	-7.00000	-40.70000	112.00000	-0.31369	111.75	0.0	0.0	0.0
	-6.00000	-40.70000	112.00000	-0.34428	111.75	0.0	0.0	0.0
	-5.00000	-40.70000	112.00000	-0.37737	111.75	0.0	0.0	0.0
	-4.00000	-40.70000	112.00000	-0.41293	111.75	0.0	0.0	0.0
	-3.00000	-40.70000	112.00000	-0.45082	111.75	0.0	0.0	0.0
	-2.00000	-40.70000	112.00000	-0.49075	111.75	0.0	0.0	0.0
	-1.00000	-40.70000	112.00000	-0.53224	111.75	0.0	0.0	0.0
	0.00000	-40.70000	112.00000	-0.57454	111.75	0.0	0.0	0.0
	1.00000	-40.70000	112.00000	-0.61660	111.75	0.0	0.0	0.0
	2.00000	-40.70000	112.00000	-0.65708	111.75	0.0	0.0	0.0
	3.00000	-40.70000	112.00000	-0.69432	111.75	0.0	0.0	0.0
	4.00000	-40.70000	112.00000	-0.72655	111.75	0.0	0.0	0.0
	5.00000	-40.70000	112.00000	-0.75206	111.75	0.0	0.0	0.0
	6.00000	-40.70000	112.00000	-0.76953	111.75	0.0	0.0	0.0
	7.00000	-40.70000	112.00000	-0.77825	111.75	0.0	0.0	0.0
	8.00000	-40.70000	112.00000	-0.77819	111.75	0.0	0.0	0.0
	9.00000	-40.70000	112.00000	-0.76992	111.75	0.0	0.0	0.0
	10.00000	-40.70000	112.00000	-0.75440	111.75	0.0	0.0	0.0
	11.00000	-40.70000	112.00000	-0.73278	111.75	0.0	0.0	0.0
	12.00000	-40.70000	112.00000	-0.70626	111.75	0.0	0.0	0.0
	13.00000	-40.70000	112.00000	-0.67597	111.75	0.0	0.0	0.0
	14.00000	-40.70000	112.00000	-0.64297	111.75	0.0	0.0	0.0
	15.00000	-40.70000	112.00000	-0.60817	111.75	0.0	0.0	0.0
	16.00000	-40.70000	112.00000	-0.57236	111.75	0.0	0.0	0.0
	17.00000	-40.70000	112.00000	-0.53624	111.75	0.0	0.0	0.0
	18.00000	-40.70000	112.00000	-0.50035	111.75	0.0	0.0	0.0
	19.00000	-40.70000	112.00000	-0.46518	111.75	0.0	0.0	0.0
	20.00000	-40.70000	112.00000	-0.43109	111.75	0.0	0.0	0.0
	21.00000	-40.70000	112.00000	-0.39837	111.75	0.0	0.0	0.0
	22.00000	-40.70000	112.00000	-0.36721	111.75	0.0	0.0	0.0
	23.00000	-40.70000	112.00000	-0.33778	111.75	0.0	0.0	0.0
	24.00000	-40.70000	112.00000	-0.31014	111.75	0.0	0.0	0.0
	25.00000	-40.70000	112.00000	-0.28432	111.75	0.0	0.0	0.0
	26.00000	-40.70000	112.00000	-0.26032	111.75	0.0	0.0	0.0
	27.00000	-40.70000	112.00000	-0.23809	111.75	0.0	0.0	0.0
	28.00000	-40.70000	112.00000	-0.21758	111.75	0.0	0.0	0.0
	29.00000	-40.70000	112.00000	-0.19870	111.75	0.0	0.0	0.0
	30.00000	-40.70000	112.00000	-0.18135	111.75	0.0	0.0	0.0
	31.00000	-40.70000	112.00000	-0.16545	111.75	0.0	0.0	0.0
	32.00000	-40.70000	112.00000	-0.15089	111.75	0.0	0.0	0.0
	33.00000	-40.70000	112.00000	-0.13758	111.75	0.0	0.0	0.0
	34.00000	-40.70000	112.00000	-0.12541	111.75	0.0	0.0	0.0
	35.00000	-40.70000	112.00000	-0.11430	111.75	0.0	0.0	0.0
	36.00000	-40.70000	112.00000	-0.10416	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Location Y [m]	Location Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	37.00000	-40.70000	112.00000	-0.094911	111.75	0.0	0.0	0.0
	38.00000	-40.70000	112.00000	-0.086471	111.75	0.0	0.0	0.0
	39.00000	-40.70000	112.00000	-0.078772	111.75	0.0	0.0	0.0
	40.00000	-40.70000	112.00000	-0.071749	111.75	0.0	0.0	0.0
	41.00000	-40.70000	112.00000	-0.065343	111.75	0.0	0.0	0.0
	42.00000	-40.70000	112.00000	-0.059498	111.75	0.0	0.0	0.0
	43.00000	-40.70000	112.00000	-0.054165	111.75	0.0	0.0	0.0
	44.00000	-40.70000	112.00000	-0.049298	111.75	0.0	0.0	0.0
	45.00000	-40.70000	112.00000	-0.044856	111.75	0.0	0.0	0.0
	46.00000	-40.70000	112.00000	-0.040801	111.75	0.0	0.0	0.0
	47.00000	-40.70000	112.00000	-0.037097	111.75	0.0	0.0	0.0
	48.00000	-40.70000	112.00000	-0.033715	111.75	0.0	0.0	0.0
	49.00000	-40.70000	112.00000	-0.030626	111.75	0.0	0.0	0.0
	50.00000	-40.70000	112.00000	-0.027803	111.75	0.0	0.0	0.0
	-20.00000	-39.66667	112.00000	-0.095410	111.75	0.0	0.0	0.0
	-19.00000	-39.66667	112.00000	-0.10512	111.75	0.0	0.0	0.0
	-18.00000	-39.66667	112.00000	-0.11584	111.75	0.0	0.0	0.0
	-17.00000	-39.66667	112.00000	-0.12769	111.75	0.0	0.0	0.0
	-16.00000	-39.66667	112.00000	-0.14079	111.75	0.0	0.0	0.0
	-15.00000	-39.66667	112.00000	-0.15529	111.75	0.0	0.0	0.0
	-14.00000	-39.66667	112.00000	-0.17132	111.75	0.0	0.0	0.0
	-13.00000	-39.66667	112.00000	-0.18907	111.75	0.0	0.0	0.0
	-12.00000	-39.66667	112.00000	-0.20872	111.75	0.0	0.0	0.0
	-11.00000	-39.66667	112.00000	-0.23046	111.75	0.0	0.0	0.0
	-10.00000	-39.66667	112.00000	-0.25450	111.75	0.0	0.0	0.0
	-9.00000	-39.66667	112.00000	-0.28108	111.75	0.0	0.0	0.0
	-8.00000	-39.66667	112.00000	-0.31040	111.75	0.0	0.0	0.0
	-7.00000	-39.66667	112.00000	-0.34270	111.75	0.0	0.0	0.0
	-6.00000	-39.66667	112.00000	-0.37817	111.75	0.0	0.0	0.0
	-5.00000	-39.66667	112.00000	-0.41697	111.75	0.0	0.0	0.0
	-4.00000	-39.66667	112.00000	-0.45918	111.75	0.0	0.0	0.0
	-3.00000	-39.66667	112.00000	-0.50477	111.75	0.0	0.0	0.0
	-2.00000	-39.66667	112.00000	-0.55352	111.75	0.0	0.0	0.0
	-1.00000	-39.66667	112.00000	-0.60497	111.75	0.0	0.0	0.0
	0.00000	-39.66667	112.00000	-0.65831	111.75	0.0	0.0	0.0
	1.00000	-39.66667	112.00000	-0.71228	111.75	0.0	0.0	0.0
	2.00000	-39.66667	112.00000	-0.76507	111.75	0.0	0.0	0.0
	3.00000	-39.66667	112.00000	-0.81433	111.75	0.0	0.0	0.0
	4.00000	-39.66667	112.00000	-0.85727	111.75	0.0	0.0	0.0
	5.00000	-39.66667	112.00000	-0.89113	111.75	0.0	0.0	0.0
	6.00000	-39.66667	112.00000	-0.91375	111.75	0.0	0.0	0.0
	7.00000	-39.66667	112.00000	-0.92406	111.75	0.0	0.0	0.0
	8.00000	-39.66667	112.00000	-0.92227	111.75	0.0	0.0	0.0
	9.00000	-39.66667	112.00000	-0.90952	111.75	0.0	0.0	0.0
	10.00000	-39.66667	112.00000	-0.88749	111.75	0.0	0.0	0.0
	11.00000	-39.66667	112.00000	-0.85800	111.75	0.0	0.0	0.0
	12.00000	-39.66667	112.00000	-0.82278	111.75	0.0	0.0	0.0
	13.00000	-39.66667	112.00000	-0.78340	111.75	0.0	0.0	0.0
	14.00000	-39.66667	112.00000	-0.74120	111.75	0.0	0.0	0.0
	15.00000	-39.66667	112.00000	-0.69735	111.75	0.0	0.0	0.0
	16.00000	-39.66667	112.00000	-0.65279	111.75	0.0	0.0	0.0
	17.00000	-39.66667	112.00000	-0.60834	111.75	0.0	0.0	0.0
	18.00000	-39.66667	112.00000	-0.56463	111.75	0.0	0.0	0.0
	19.00000	-39.66667	112.00000	-0.52220	111.75	0.0	0.0	0.0
	20.00000	-39.66667	112.00000	-0.48144	111.75	0.0	0.0	0.0
	21.00000	-39.66667	112.00000	-0.44265	111.75	0.0	0.0	0.0
	22.00000	-39.66667	112.00000	-0.40604	111.75	0.0	0.0	0.0
	23.00000	-39.66667	112.00000	-0.37172	111.75	0.0	0.0	0.0
	24.00000	-39.66667	112.00000	-0.33974	111.75	0.0	0.0	0.0
	25.00000	-39.66667	112.00000	-0.31010	111.75	0.0	0.0	0.0
	26.00000	-39.66667	112.00000	-0.28275	111.75	0.0	0.0	0.0
	27.00000	-39.66667	112.00000	-0.25760	111.75	0.0	0.0	0.0
	28.00000	-39.66667	112.00000	-0.23454	111.75	0.0	0.0	0.0
	29.00000	-39.66667	112.00000	-0.21344	111.75	0.0	0.0	0.0
	30.00000	-39.66667	112.00000	-0.19418	111.75	0.0	0.0	0.0
	31.00000	-39.66667	112.00000	-0.17662	111.75	0.0	0.0	0.0
	32.00000	-39.66667	112.00000	-0.16062	111.75	0.0	0.0	0.0
	33.00000	-39.66667	112.00000	-0.14607	111.75	0.0	0.0	0.0
	34.00000	-39.66667	112.00000	-0.13283	111.75	0.0	0.0	0.0
	35.00000	-39.66667	112.00000	-0.12079	111.75	0.0	0.0	0.0
	36.00000	-39.66667	112.00000	-0.10984	111.75	0.0	0.0	0.0
	37.00000	-39.66667	112.00000	-0.099889	111.75	0.0	0.0	0.0
	38.00000	-39.66667	112.00000	-0.090841	111.75	0.0	0.0	0.0
	39.00000	-39.66667	112.00000	-0.082614	111.75	0.0	0.0	0.0
	40.00000	-39.66667	112.00000	-0.075131	111.75	0.0	0.0	0.0
	41.00000	-39.66667	112.00000	-0.068323	111.75	0.0	0.0	0.0
	42.00000	-39.66667	112.00000	-0.062128	111.75	0.0	0.0	0.0
	43.00000	-39.66667	112.00000	-0.056489	111.75	0.0	0.0	0.0
	44.00000	-39.66667	112.00000	-0.051354	111.75	0.0	0.0	0.0
	45.00000	-39.66667	112.00000	-0.046676	111.75	0.0	0.0	0.0
	46.00000	-39.66667	112.00000	-0.042414	111.75	0.0	0.0	0.0
	47.00000	-39.66667	112.00000	-0.038530	111.75	0.0	0.0	0.0
	48.00000	-39.66667	112.00000	-0.034988	111.75	0.0	0.0	0.0
	49.00000	-39.66667	112.00000	-0.031757	111.75	0.0	0.0	0.0
	50.00000	-39.66667	112.00000	-0.028810	111.75	0.0	0.0	0.0
	-20.00000	-38.63333	112.00000	-0.099766	111.75	0.0	0.0	0.0
	-19.00000	-38.63333	112.00000	-0.11011	111.75	0.0	0.0	0.0
	-18.00000	-38.63333	112.00000	-0.12158	111.75	0.0	0.0	0.0
	-17.00000	-38.63333	112.00000	-0.13430	111.75	0.0	0.0	0.0
	-16.00000	-38.63333	112.00000	-0.14842	111.75	0.0	0.0	0.0
	-15.00000	-38.63333	112.00000	-0.16410	111.75	0.0	0.0	0.0
	-14.00000	-38.63333	112.00000	-0.18155	111.75	0.0	0.0	0.0
	-13.00000	-38.63333	112.00000	-0.20095	111.75	0.0	0.0	0.0
	-12.00000	-38.63333	112.00000	-0.22256	111.75	0.0	0.0	0.0
	-11.00000	-38.63333	112.00000	-0.24663	111.75	0.0	0.0	0.0
	-10.00000	-38.63333	112.00000	-0.27343	111.75	0.0	0.0	0.0
	-9.00000	-38.63333	112.00000	-0.30329	111.75	0.0	0.0	0.0
	-8.00000	-38.63333	112.00000	-0.33654	111.75	0.0	0.0	0.0
	-7.00000	-38.63333	112.00000	-0.37350	111.75	0.0	0.0	0.0
	-6.00000	-38.63333	112.00000	-0.41453	111.75	0.0	0.0	0.0
	-5.00000	-38.63333	112.00000	-0.45995	111.75	0.0	0.0	0.0
	-4.00000	-38.63333	112.00000	-0.51002	111.75	0.0	0.0	0.0
	-3.00000	-38.63333	112.00000	-0.56490	111.75	0.0	0.0	0.0
	-2.00000	-38.63333	112.00000	-0.62456	111.75	0.0	0.0	0.0
	-1.00000	-38.63333	112.00000	-0.68869	111.75	0.0	0.0	0.0
	0.00000	-38.63333	112.00000	-0.75652	111.75	0.0	0.0	0.0
	1.00000	-38.63333	112.00000	-0.82666	111.75	0.0	0.0	0.0
	2.00000	-38.63333	112.00000	-0.89683	111.75	0.0	0.0	0.0
	3.00000	-38.63333	112.00000	-0.96363	111.75	0.0	0.0	0.0
	4.00000	-38.63333	112.00000	-1.0226	111.75	0.0	0.0	0.0
	5.00000	-38.63333	112.00000	-1.0690	111.75	0.0	0.0	0.0
	6.00000	-38.63333	112.00000	-1.0988	111.75	0.0	0.0	0.0
	7.00000	-38.63333	112.00000	-1.1105	111.75	0.0	0.0	0.0
	8.00000	-38.63333	112.00000	-1.1049	111.75	0.0	0.0	0.0
	9.00000	-38.63333	112.00000	-1.0846	111.75	0.0	0.0	0.0
	10.00000	-38.63333	112.00000	-1.0525	111.75	0.0	0.0	0.0
	11.00000	-38.63333	112.00000	-1.0115	111.75	0.0	0.0	0.0
	12.00000	-38.63333	112.00000	-0.96404	111.75	0.0	0.0	0.0
	13.00000	-38.63333	112.00000	-0.91228	111.75	0.0	0.0	0.0
	14.00000	-38.63333	112.00000	-0.85791	111.75	0.0	0.0	0.0
	15.00000	-38.63333	112.00000	-0.80229	111.75	0.0	0.0	0.0
	16.00000	-38.63333	112.00000	-0.74655	111.75	0.0	0.0	0.0
	17.00000	-38.63333	112.00000	-0.69161	111.75	0.0	0.0	0.0
	18.00000	-38.63333	112.00000	-0.63817	111.75	0.0	0.0	0.0
	19.00000	-38.63333	112.00000	-0.58682	111.75	0.0	0.0	0.0
	20.00000	-38.63333	112.00000	-0.53796	111.75	0.0	0.0	0.0
	21.00000	-38.63333	112.00000	-0.49189	111.75	0.0	0.0	0.0
	22.00000	-38.63333	112.00000	-0.44879	111.75	0.0	0.0	0.0
	23.00000	-38.63333	112.00000	-0.40875	111.75	0.0	0.0	0.0
	24.00000	-38.63333	112.00000	-0.37175	111.75	0.0	0.0	0.0

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	25.00000	-38.63333	112.00000	-0.33774	111.75	0.0	0.0	0.0
	26.00000	-38.63333	112.00000	-0.30659	111.75	0.0	0.0	0.0
	27.00000	-38.63333	112.00000	-0.27817	111.75	0.0	0.0	0.0
	28.00000	-38.63333	112.00000	-0.25228	111.75	0.0	0.0	0.0
	29.00000	-38.63333	112.00000	-0.22876	111.75	0.0	0.0	0.0
	30.00000	-38.63333	112.00000	-0.20742	111.75	0.0	0.0	0.0
	31.00000	-38.63333	112.00000	-0.18808	111.75	0.0	0.0	0.0
	32.00000	-38.63333	112.00000	-0.17055	111.75	0.0	0.0	0.0
	33.00000	-38.63333	112.00000	-0.15468	111.75	0.0	0.0	0.0
	34.00000	-38.63333	112.00000	-0.14031	111.75	0.0	0.0	0.0
	35.00000	-38.63333	112.00000	-0.12731	111.75	0.0	0.0	0.0
	36.00000	-38.63333	112.00000	-0.11552	111.75	0.0	0.0	0.0
	37.00000	-38.63333	112.00000	-0.10485	111.75	0.0	0.0	0.0
	38.00000	-38.63333	112.00000	-0.095184	111.75	0.0	0.0	0.0
	39.00000	-38.63333	112.00000	-0.086419	111.75	0.0	0.0	0.0
	40.00000	-38.63333	112.00000	-0.078470	111.75	0.0	0.0	0.0
	41.00000	-38.63333	112.00000	-0.071258	111.75	0.0	0.0	0.0
	42.00000	-38.63333	112.00000	-0.064711	111.75	0.0	0.0	0.0
	43.00000	-38.63333	112.00000	-0.058766	111.75	0.0	0.0	0.0
	44.00000	-38.63333	112.00000	-0.053363	111.75	0.0	0.0	0.0
	45.00000	-38.63333	112.00000	-0.048452	111.75	0.0	0.0	0.0
	46.00000	-38.63333	112.00000	-0.043986	111.75	0.0	0.0	0.0
	47.00000	-38.63333	112.00000	-0.039922	111.75	0.0	0.0	0.0
	48.00000	-38.63333	112.00000	-0.036222	111.75	0.0	0.0	0.0
	49.00000	-38.63333	112.00000	-0.032853	111.75	0.0	0.0	0.0
	50.00000	-38.63333	112.00000	-0.029784	111.75	0.0	0.0	0.0
	-20.00000	-37.60000	112.00000	-0.10401	111.75	0.0	0.0	0.0
	-19.00000	-37.60000	112.00000	-0.11499	111.75	0.0	0.0	0.0
	-18.00000	-37.60000	112.00000	-0.12720	111.75	0.0	0.0	0.0
	-17.00000	-37.60000	112.00000	-0.14080	111.75	0.0	0.0	0.0
	-16.00000	-37.60000	112.00000	-0.15595	111.75	0.0	0.0	0.0
	-15.00000	-37.60000	112.00000	-0.17285	111.75	0.0	0.0	0.0
	-14.00000	-37.60000	112.00000	-0.19174	111.75	0.0	0.0	0.0
	-13.00000	-37.60000	112.00000	-0.21287	111.75	0.0	0.0	0.0
	-12.00000	-37.60000	112.00000	-0.23652	111.75	0.0	0.0	0.0
	-11.00000	-37.60000	112.00000	-0.26304	111.75	0.0	0.0	0.0
	-10.00000	-37.60000	112.00000	-0.29279	111.75	0.0	0.0	0.0
	-9.00000	-37.60000	112.00000	-0.32620	111.75	0.0	0.0	0.0
	-8.00000	-37.60000	112.00000	-0.36372	111.75	0.0	0.0	0.0
	-7.00000	-37.60000	112.00000	-0.40586	111.75	0.0	0.0	0.0
	-6.00000	-37.60000	112.00000	-0.45316	111.75	0.0	0.0	0.0
	-5.00000	-37.60000	112.00000	-0.50617	111.75	0.0	0.0	0.0
	-4.00000	-37.60000	112.00000	-0.56544	111.75	0.0	0.0	0.0
	-3.00000	-37.60000	112.00000	-0.63144	111.75	0.0	0.0	0.0
	-2.00000	-37.60000	112.00000	-0.70451	111.75	0.0	0.0	0.0
	-1.00000	-37.60000	112.00000	-0.78470	111.75	0.0	0.0	0.0
	0.00000	-37.60000	112.00000	-0.87159	111.75	0.0	0.0	0.0
	1.00000	-37.60000	112.00000	-0.96393	111.75	0.0	0.0	0.0
	2.00000	-37.60000	112.00000	-1.0592	111.75	0.0	0.0	0.0
	3.00000	-37.60000	112.00000	-1.1528	111.75	0.0	0.0	0.0
	4.00000	-37.60000	112.00000	-1.2374	111.75	0.0	0.0	0.0
	5.00000	-37.60000	112.00000	-1.3039	111.75	0.0	0.0	0.0
	6.00000	-37.60000	112.00000	-1.3441	111.75	0.0	0.0	0.0
	7.00000	-37.60000	112.00000	-1.3556	111.75	0.0	0.0	0.0
	8.00000	-37.60000	112.00000	-1.3417	111.75	0.0	0.0	0.0
	9.00000	-37.60000	112.00000	-1.3079	111.75	0.0	0.0	0.0
	10.00000	-37.60000	112.00000	-1.2597	111.75	0.0	0.0	0.0
	11.00000	-37.60000	112.00000	-1.2015	111.75	0.0	0.0	0.0
	12.00000	-37.60000	112.00000	-1.1367	111.75	0.0	0.0	0.0
	13.00000	-37.60000	112.00000	-1.0679	111.75	0.0	0.0	0.0
	14.00000	-37.60000	112.00000	-0.99731	111.75	0.0	0.0	0.0
	15.00000	-37.60000	112.00000	-0.92633	111.75	0.0	0.0	0.0
	16.00000	-37.60000	112.00000	-0.85625	111.75	0.0	0.0	0.0
	17.00000	-37.60000	112.00000	-0.78803	111.75	0.0	0.0	0.0
	18.00000	-37.60000	112.00000	-0.72246	111.75	0.0	0.0	0.0
	19.00000	-37.60000	112.00000	-0.66010	111.75	0.0	0.0	0.0
	20.00000	-37.60000	112.00000	-0.60138	111.75	0.0	0.0	0.0
	21.00000	-37.60000	112.00000	-0.54655	111.75	0.0	0.0	0.0
	22.00000	-37.60000	112.00000	-0.49576	111.75	0.0	0.0	0.0
	23.00000	-37.60000	112.00000	-0.44900	111.75	0.0	0.0	0.0
	24.00000	-37.60000	112.00000	-0.40620	111.75	0.0	0.0	0.0
	25.00000	-37.60000	112.00000	-0.36719	111.75	0.0	0.0	0.0
	26.00000	-37.60000	112.00000	-0.33177	111.75	0.0	0.0	0.0
	27.00000	-37.60000	112.00000	-0.29970	111.75	0.0	0.0	0.0
	28.00000	-37.60000	112.00000	-0.27072	111.75	0.0	0.0	0.0
	29.00000	-37.60000	112.00000	-0.24456	111.75	0.0	0.0	0.0
	30.00000	-37.60000	112.00000	-0.22098	111.75	0.0	0.0	0.0
	31.00000	-37.60000	112.00000	-0.19973	111.75	0.0	0.0	0.0
	32.00000	-37.60000	112.00000	-0.18059	111.75	0.0	0.0	0.0
	33.00000	-37.60000	112.00000	-0.16335	111.75	0.0	0.0	0.0
	34.00000	-37.60000	112.00000	-0.14781	111.75	0.0	0.0	0.0
	35.00000	-37.60000	112.00000	-0.13380	111.75	0.0	0.0	0.0
	36.00000	-37.60000	112.00000	-0.12116	111.75	0.0	0.0	0.0
	37.00000	-37.60000	112.00000	-0.10976	111.75	0.0	0.0	0.0
	38.00000	-37.60000	112.00000	-0.099460	111.75	0.0	0.0	0.0
	39.00000	-37.60000	112.00000	-0.090154	111.75	0.0	0.0	0.0
	40.00000	-37.60000	112.00000	-0.081738	111.75	0.0	0.0	0.0
	41.00000	-37.60000	112.00000	-0.074122	111.75	0.0	0.0	0.0
	42.00000	-37.60000	112.00000	-0.067225	111.75	0.0	0.0	0.0
	43.00000	-37.60000	112.00000	-0.060976	111.75	0.0	0.0	0.0
	44.00000	-37.60000	112.00000	-0.055310	111.75	0.0	0.0	0.0
	45.00000	-37.60000	112.00000	-0.050169	111.75	0.0	0.0	0.0
	46.00000	-37.60000	112.00000	-0.045502	111.75	0.0	0.0	0.0
	47.00000	-37.60000	112.00000	-0.041263	111.75	0.0	0.0	0.0
	48.00000	-37.60000	112.00000	-0.037409	111.75	0.0	0.0	0.0
	49.00000	-37.60000	112.00000	-0.033906	111.75	0.0	0.0	0.0
	50.00000	-37.60000	112.00000	-0.030718	111.75	0.0	0.0	0.0
	-20.00000	-36.56667	112.00000	-0.10809	111.75	0.0	0.0	0.0
	-19.00000	-36.56667	112.00000	-0.11970	111.75	0.0	0.0	0.0
	-18.00000	-36.56667	112.00000	-0.13265	111.75	0.0	0.0	0.0
	-17.00000	-36.56667	112.00000	-0.14711	111.75	0.0	0.0	0.0
	-16.00000	-36.56667	112.00000	-0.16329	111.75	0.0	0.0	0.0
	-15.00000	-36.56667	112.00000	-0.18143	111.75	0.0	0.0	0.0
	-14.00000	-36.56667	112.00000	-0.20178	111.75	0.0	0.0	0.0
	-13.00000	-36.56667	112.00000	-0.22466	111.75	0.0	0.0	0.0
	-12.00000	-36.56667	112.00000	-0.25042	111.75	0.0	0.0	0.0
	-11.00000	-36.56667	112.00000	-0.27949	111.75	0.0	0.0	0.0
	-10.00000	-36.56667	112.00000	-0.31234	111.75	0.0	0.0	0.0
	-9.00000	-36.56667	112.00000	-0.34951	111.75	0.0	0.0	0.0
	-8.00000	-36.56667	112.00000	-0.39163	111.75	0.0	0.0	0.0
	-7.00000	-36.56667	112.00000	-0.43942	111.75	0.0	0.0	0.0
	-6.00000	-36.56667	112.00000	-0.49367	111.75	0.0	0.0	0.0
	-5.00000	-36.56667	112.00000	-0.55527	111.75	0.0	0.0	0.0
	-4.00000	-36.56667	112.00000	-0.62516	111.75	0.0	0.0	0.0
	-3.00000	-36.56667	112.00000	-0.70432	111.75	0.0	0.0	0.0
	-2.00000	-36.56667	112.00000	-0.79369	111.75	0.0	0.0	0.0
	-1.00000	-36.56667	112.00000	-0.89407	111.75	0.0	0.0	0.0
	0.00000	-36.56667	112.00000	-1.0059	111.75	0.0	0.0	0.0
	1.00000	-36.56667	112.00000	-1.1288	111.75	0.0	0.0	0.0
	2.00000	-36.56667	112.00000	-1.2610	111.75	0.0	0.0	0.0
	3.00000	-36.56667	112.00000	-1.3976	111.75	0.0	0.0	0.0
	4.00000	-36.56667	112.00000	-1.5275	111.75	0.0	0.0	0.0
	5.00000	-36.56667	112.00000	-1.6305	111.75	0.0	0.0	0.0
	6.00000	-36.56667	112.00000	-1.6861	111.75	0.0	0.0	0.0
	7.00000	-36.56667	112.00000	-1.6910	111.75	0.0	0.0	0.0
	8.00000	-36.56667	112.00000	-1.6575	111.75	0.0	0.0	0.0
	9.00000	-36.56667	112.00000	-1.5986	111.75	0.0	0.0	0.0
	10.00000	-36.56667	112.00000	-1.5238	111.75	0.0	0.0	0.0
	11.00000	-36.56667	112.00000	-1.4393	111.75	0.0	0.0	0.0
	12.00000	-36.56667	112.00000	-1.3495	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location			Displacement	Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	13.00000	-36.56667	112.00000	-1.2573	111.75	0.0	0.0	0.0
	14.00000	-36.56667	112.00000	-1.1649	111.75	0.0	0.0	0.0
	15.00000	-36.56667	112.00000	-1.0737	111.75	0.0	0.0	0.0
	16.00000	-36.56667	112.00000	-0.98512	111.75	0.0	0.0	0.0
	17.00000	-36.56667	112.00000	-0.90004	111.75	0.0	0.0	0.0
	18.00000	-36.56667	112.00000	-0.81924	111.75	0.0	0.0	0.0
	19.00000	-36.56667	112.00000	-0.74327	111.75	0.0	0.0	0.0
	20.00000	-36.56667	112.00000	-0.67250	111.75	0.0	0.0	0.0
	21.00000	-36.56667	112.00000	-0.60712	111.75	0.0	0.0	0.0
	22.00000	-36.56667	112.00000	-0.54718	111.75	0.0	0.0	0.0
	23.00000	-36.56667	112.00000	-0.49257	111.75	0.0	0.0	0.0
	24.00000	-36.56667	112.00000	-0.44307	111.75	0.0	0.0	0.0
	25.00000	-36.56667	112.00000	-0.39838	111.75	0.0	0.0	0.0
	26.00000	-36.56667	112.00000	-0.35817	111.75	0.0	0.0	0.0
	27.00000	-36.56667	112.00000	-0.32206	111.75	0.0	0.0	0.0
	28.00000	-36.56667	112.00000	-0.28969	111.75	0.0	0.0	0.0
	29.00000	-36.56667	112.00000	-0.26069	111.75	0.0	0.0	0.0
	30.00000	-36.56667	112.00000	-0.23473	111.75	0.0	0.0	0.0
	31.00000	-36.56667	112.00000	-0.21147	111.75	0.0	0.0	0.0
	32.00000	-36.56667	112.00000	-0.19064	111.75	0.0	0.0	0.0
	33.00000	-36.56667	112.00000	-0.17197	111.75	0.0	0.0	0.0
	34.00000	-36.56667	112.00000	-0.15523	111.75	0.0	0.0	0.0
	35.00000	-36.56667	112.00000	-0.14020	111.75	0.0	0.0	0.0
	36.00000	-36.56667	112.00000	-0.12670	111.75	0.0	0.0	0.0
	37.00000	-36.56667	112.00000	-0.11456	111.75	0.0	0.0	0.0
	38.00000	-36.56667	112.00000	-0.10363	111.75	0.0	0.0	0.0
	39.00000	-36.56667	112.00000	-0.093781	111.75	0.0	0.0	0.0
	40.00000	-36.56667	112.00000	-0.084902	111.75	0.0	0.0	0.0
	41.00000	-36.56667	112.00000	-0.076887	111.75	0.0	0.0	0.0
	42.00000	-36.56667	112.00000	-0.069647	111.75	0.0	0.0	0.0
	43.00000	-36.56667	112.00000	-0.063101	111.75	0.0	0.0	0.0
	44.00000	-36.56667	112.00000	-0.057177	111.75	0.0	0.0	0.0
	45.00000	-36.56667	112.00000	-0.051812	111.75	0.0	0.0	0.0
	46.00000	-36.56667	112.00000	-0.046950	111.75	0.0	0.0	0.0
	47.00000	-36.56667	112.00000	-0.042541	111.75	0.0	0.0	0.0
	48.00000	-36.56667	112.00000	-0.038540	111.75	0.0	0.0	0.0
	49.00000	-36.56667	112.00000	-0.034906	111.75	0.0	0.0	0.0
	50.00000	-36.56667	112.00000	-0.031605	111.75	0.0	0.0	0.0
	-20.00000	-35.53333	112.00000	-0.11195	111.75	0.0	0.0	0.0
	-19.00000	-35.53333	112.00000	-0.12417	111.75	0.0	0.0	0.0
	-18.00000	-35.53333	112.00000	-0.13784	111.75	0.0	0.0	0.0
	-17.00000	-35.53333	112.00000	-0.15316	111.75	0.0	0.0	0.0
	-16.00000	-35.53333	112.00000	-0.17035	111.75	0.0	0.0	0.0
	-15.00000	-35.53333	112.00000	-0.18970	111.75	0.0	0.0	0.0
	-14.00000	-35.53333	112.00000	-0.21151	111.75	0.0	0.0	0.0
	-13.00000	-35.53333	112.00000	-0.23615	111.75	0.0	0.0	0.0
	-12.00000	-35.53333	112.00000	-0.26405	111.75	0.0	0.0	0.0
	-11.00000	-35.53333	112.00000	-0.29572	111.75	0.0	0.0	0.0
	-10.00000	-35.53333	112.00000	-0.33175	111.75	0.0	0.0	0.0
	-9.00000	-35.53333	112.00000	-0.37285	111.75	0.0	0.0	0.0
	-8.00000	-35.53333	112.00000	-0.41984	111.75	0.0	0.0	0.0
	-7.00000	-35.53333	112.00000	-0.47369	111.75	0.0	0.0	0.0
	-6.00000	-35.53333	112.00000	-0.53552	111.75	0.0	0.0	0.0
	-5.00000	-35.53333	112.00000	-0.60665	111.75	0.0	0.0	0.0
	-4.00000	-35.53333	112.00000	-0.68859	111.75	0.0	0.0	0.0
	-3.00000	-35.53333	112.00000	-0.78304	111.75	0.0	0.0	0.0
	-2.00000	-35.53333	112.00000	-0.89190	111.75	0.0	0.0	0.0
	-1.00000	-35.53333	112.00000	-1.0172	111.75	0.0	0.0	0.0
	0.00000	-35.53333	112.00000	-1.1612	111.75	0.0	0.0	0.0
	1.00000	-35.53333	112.00000	-1.3259	111.75	0.0	0.0	0.0
	2.00000	-35.53333	112.00000	-1.5129	111.75	0.0	0.0	0.0
	3.00000	-35.53333	112.00000	-1.7216	111.75	0.0	0.0	0.0
	4.00000	-35.53333	112.00000	-1.9425	111.75	0.0	0.0	0.0
	5.00000	-35.53333	112.00000	-2.1322	111.75	0.0	0.0	0.0
	6.00000	-35.53333	112.00000	-2.2076	111.75	0.0	0.0	0.0
	7.00000	-35.53333	112.00000	-2.1775	111.75	0.0	0.0	0.0
	8.00000	-35.53333	112.00000	-2.0944	111.75	0.0	0.0	0.0
	9.00000	-35.53333	112.00000	-1.9863	111.75	0.0	0.0	0.0
	10.00000	-35.53333	112.00000	-1.8663	111.75	0.0	0.0	0.0
	11.00000	-35.53333	112.00000	-1.7412	111.75	0.0	0.0	0.0
	12.00000	-35.53333	112.00000	-1.6149	111.75	0.0	0.0	0.0
	13.00000	-35.53333	112.00000	-1.4899	111.75	0.0	0.0	0.0
	14.00000	-35.53333	112.00000	-1.3678	111.75	0.0	0.0	0.0
	15.00000	-35.53333	112.00000	-1.2500	111.75	0.0	0.0	0.0
	16.00000	-35.53333	112.00000	-1.1373	111.75	0.0	0.0	0.0
	17.00000	-35.53333	112.00000	-1.0307	111.75	0.0	0.0	0.0
	18.00000	-35.53333	112.00000	-0.93066	111.75	0.0	0.0	0.0
	19.00000	-35.53333	112.00000	-0.83774	111.75	0.0	0.0	0.0
	20.00000	-35.53333	112.00000	-0.75218	111.75	0.0	0.0	0.0
	21.00000	-35.53333	112.00000	-0.67406	111.75	0.0	0.0	0.0
	22.00000	-35.53333	112.00000	-0.60324	111.75	0.0	0.0	0.0
	23.00000	-35.53333	112.00000	-0.53943	111.75	0.0	0.0	0.0
	24.00000	-35.53333	112.00000	-0.48223	111.75	0.0	0.0	0.0
	25.00000	-35.53333	112.00000	-0.43112	111.75	0.0	0.0	0.0
	26.00000	-35.53333	112.00000	-0.38557	111.75	0.0	0.0	0.0
	27.00000	-35.53333	112.00000	-0.34504	111.75	0.0	0.0	0.0
	28.00000	-35.53333	112.00000	-0.30901	111.75	0.0	0.0	0.0
	29.00000	-35.53333	112.00000	-0.27698	111.75	0.0	0.0	0.0
	30.00000	-35.53333	112.00000	-0.24850	111.75	0.0	0.0	0.0
	31.00000	-35.53333	112.00000	-0.22315	111.75	0.0	0.0	0.0
	32.00000	-35.53333	112.00000	-0.20058	111.75	0.0	0.0	0.0
	33.00000	-35.53333	112.00000	-0.18046	111.75	0.0	0.0	0.0
	34.00000	-35.53333	112.00000	-0.16249	111.75	0.0	0.0	0.0
	35.00000	-35.53333	112.00000	-0.14643	111.75	0.0	0.0	0.0
	36.00000	-35.53333	112.00000	-0.13206	111.75	0.0	0.0	0.0
	37.00000	-35.53333	112.00000	-0.11919	111.75	0.0	0.0	0.0
	38.00000	-35.53333	112.00000	-0.10764	111.75	0.0	0.0	0.0
	39.00000	-35.53333	112.00000	-0.097261	111.75	0.0	0.0	0.0
	40.00000	-35.53333	112.00000	-0.087928	111.75	0.0	0.0	0.0
	41.00000	-35.53333	112.00000	-0.079525	111.75	0.0	0.0	0.0
	42.00000	-35.53333	112.00000	-0.071952	111.75	0.0	0.0	0.0
	43.00000	-35.53333	112.00000	-0.065118	111.75	0.0	0.0	0.0
	44.00000	-35.53333	112.00000	-0.058946	111.75	0.0	0.0	0.0
	45.00000	-35.53333	112.00000	-0.053366	111.75	0.0	0.0	0.0
	46.00000	-35.53333	112.00000	-0.048318	111.75	0.0	0.0	0.0
	47.00000	-35.53333	112.00000	-0.043746	111.75	0.0	0.0	0.0
	48.00000	-35.53333	112.00000	-0.039603	111.75	0.0	0.0	0.0
	49.00000	-35.53333	112.00000	-0.035846	111.75	0.0	0.0	0.0
	50.00000	-35.53333	112.00000	-0.032437	111.75	0.0	0.0	0.0
	-20.00000	-34.50000	112.00000	-0.11556	111.75	0.0	0.0	0.0
	-19.00000	-34.50000	112.00000	-0.12836	111.75	0.0	0.0	0.0
	-18.00000	-34.50000	112.00000	-0.14271	111.75	0.0	0.0	0.0
	-17.00000	-34.50000	112.00000	-0.15884	111.75	0.0	0.0	0.0
	-16.00000	-34.50000	112.00000	-0.17702	111.75	0.0	0.0	0.0
	-15.00000	-34.50000	112.00000	-0.19754	111.75	0.0	0.0	0.0
	-14.00000	-34.50000	112.00000	-0.22077	111.75	0.0	0.0	0.0
	-13.00000	-34.50000	112.00000	-0.24714	111.75	0.0	0.0	0.0
	-12.00000	-34.50000	112.00000	-0.27716	111.75	0.0	0.0	0.0
	-11.00000	-34.50000	112.00000	-0.31143	111.75	0.0	0.0	0.0
	-10.00000	-34.50000	112.00000	-0.35068	111.75	0.0	0.0	0.0
	-9.00000	-34.50000	112.00000	-0.39579	111.75	0.0	0.0	0.0
	-8.00000	-34.50000	112.00000	-0.44781	111.75	0.0	0.0	0.0
	-7.00000	-34.50000	112.00000	-0.50801	111.75	0.0	0.0	0.0
	-6.00000	-34.50000	112.00000	-0.57792	111.75	0.0	0.0	0.0
	-5.00000	-34.50000	112.00000	-0.65940	111.75	0.0	0.0	0.0
	-4.00000	-34.50000	112.00000	-0.75469	111.75	0.0	0.0	0.0
	-3.00000	-34.50000	112.00000	-0.86652	111.75	0.0	0.0	0.0
	-2.00000	-34.50000	112.00000	-0.99818	111.75	0.0	0.0	0.0
	-1.00000	-34.50000	112.00000	-1.1537	111.75	0.0	0.0	0.0
	0.00000	-34.50000	112.00000	-1.3383	111.75	0.0	0.0	0.0

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Total Heave / Settlement
Pavilion Only (inc Raft)

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date**	**Checked**

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Displacement Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	1.00000	-34.50000	112.00000	-1.5587	111.75	0.0	0.0	0.0
	2.00000	-34.50000	112.00000	-1.8249	111.75	0.0	0.0	0.0
	3.00000	-34.50000	112.00000	-2.1540	111.75	0.0	0.0	0.0
	4.00000	-34.50000	112.00000	-2.5832	111.75	0.0	0.0	0.0
	5.00000	-34.50000	112.00000	-3.1848	111.75	0.0	0.0	0.0
	6.00000	-34.50000	112.00000	-3.1701	111.75	0.0	0.0	0.0
	7.00000	-34.50000	112.00000	-2.9496	111.75	0.0	0.0	0.0
	8.00000	-34.50000	112.00000	-2.7304	111.75	0.0	0.0	0.0
	9.00000	-34.50000	112.00000	-2.5209	111.75	0.0	0.0	0.0
	10.00000	-34.50000	112.00000	-2.3214	111.75	0.0	0.0	0.0
	11.00000	-34.50000	112.00000	-2.1314	111.75	0.0	0.0	0.0
	12.00000	-34.50000	112.00000	-1.9507	111.75	0.0	0.0	0.0
	13.00000	-34.50000	112.00000	-1.7790	111.75	0.0	0.0	0.0
	14.00000	-34.50000	112.00000	-1.6162	111.75	0.0	0.0	0.0
	15.00000	-34.50000	112.00000	-1.4626	111.75	0.0	0.0	0.0
	16.00000	-34.50000	112.00000	-1.3184	111.75	0.0	0.0	0.0
	17.00000	-34.50000	112.00000	-1.1838	111.75	0.0	0.0	0.0
	18.00000	-34.50000	112.00000	-1.0594	111.75	0.0	0.0	0.0
	19.00000	-34.50000	112.00000	-0.94516	111.75	0.0	0.0	0.0
	20.00000	-34.50000	112.00000	-0.84135	111.75	0.0	0.0	0.0
	21.00000	-34.50000	112.00000	-0.74775	111.75	0.0	0.0	0.0
	22.00000	-34.50000	112.00000	-0.66399	111.75	0.0	0.0	0.0
	23.00000	-34.50000	112.00000	-0.58945	111.75	0.0	0.0	0.0
	24.00000	-34.50000	112.00000	-0.52343	111.75	0.0	0.0	0.0
	25.00000	-34.50000	112.00000	-0.46511	111.75	0.0	0.0	0.0
	26.00000	-34.50000	112.00000	-0.41368	111.75	0.0	0.0	0.0
	27.00000	-34.50000	112.00000	-0.36836	111.75	0.0	0.0	0.0
	28.00000	-34.50000	112.00000	-0.32842	111.75	0.0	0.0	0.0
	29.00000	-34.50000	112.00000	-0.29320	111.75	0.0	0.0	0.0
	30.00000	-34.50000	112.00000	-0.26210	111.75	0.0	0.0	0.0
	31.00000	-34.50000	112.00000	-0.23461	111.75	0.0	0.0	0.0
	32.00000	-34.50000	112.00000	-0.21027	111.75	0.0	0.0	0.0
	33.00000	-34.50000	112.00000	-0.18867	111.75	0.0	0.0	0.0
	34.00000	-34.50000	112.00000	-0.16949	111.75	0.0	0.0	0.0
	35.00000	-34.50000	112.00000	-0.15242	111.75	0.0	0.0	0.0
	36.00000	-34.50000	112.00000	-0.13719	111.75	0.0	0.0	0.0
	37.00000	-34.50000	112.00000	-0.12360	111.75	0.0	0.0	0.0
	38.00000	-34.50000	112.00000	-0.11144	111.75	0.0	0.0	0.0
	39.00000	-34.50000	112.00000	-0.10055	111.75	0.0	0.0	0.0
	40.00000	-34.50000	112.00000	-0.090783	111.75	0.0	0.0	0.0
	41.00000	-34.50000	112.00000	-0.082007	111.75	0.0	0.0	0.0
	42.00000	-34.50000	112.00000	-0.074114	111.75	0.0	0.0	0.0
	43.00000	-34.50000	112.00000	-0.067007	111.75	0.0	0.0	0.0
	44.00000	-34.50000	112.00000	-0.060599	111.75	0.0	0.0	0.0
	45.00000	-34.50000	112.00000	-0.054816	111.75	0.0	0.0	0.0
	46.00000	-34.50000	112.00000	-0.049591	111.75	0.0	0.0	0.0
	47.00000	-34.50000	112.00000	-0.044867	111.75	0.0	0.0	0.0
	48.00000	-34.50000	112.00000	-0.040591	111.75	0.0	0.0	0.0
	49.00000	-34.50000	112.00000	-0.036718	111.75	0.0	0.0	0.0
	50.00000	-34.50000	112.00000	-0.033207	111.75	0.0	0.0	0.0

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Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 9A - RC Retaining Wall - Vertical Movements due to Installation

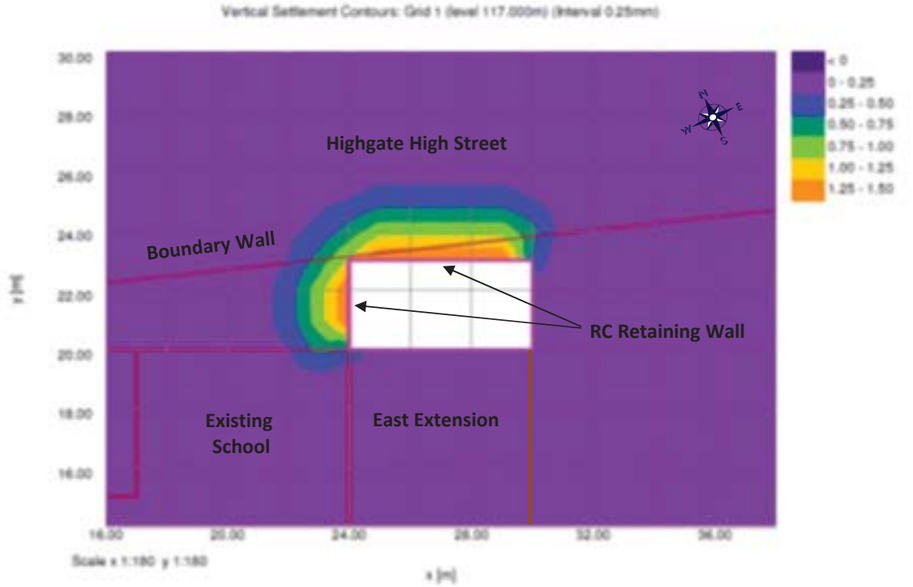
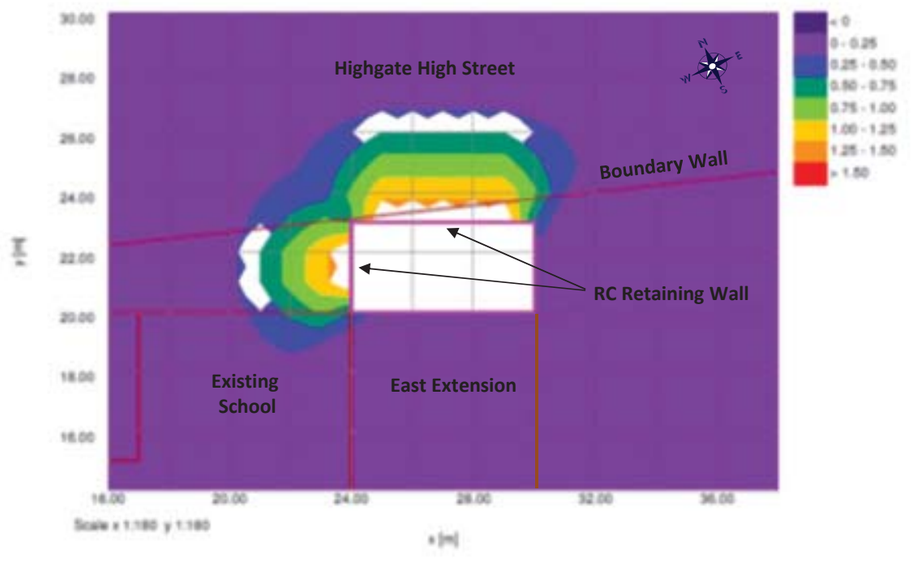


Figure 9B - RC Retaining Wall - Horizontal Movements due to Installation



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Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR
Client	Channing Junior School
Engineer	Heyne Tillett Steel

Job Number J17268

Sheet 1/1

Figure 10A - RC Retaining Wall - Horizontal Movements due to Excavation

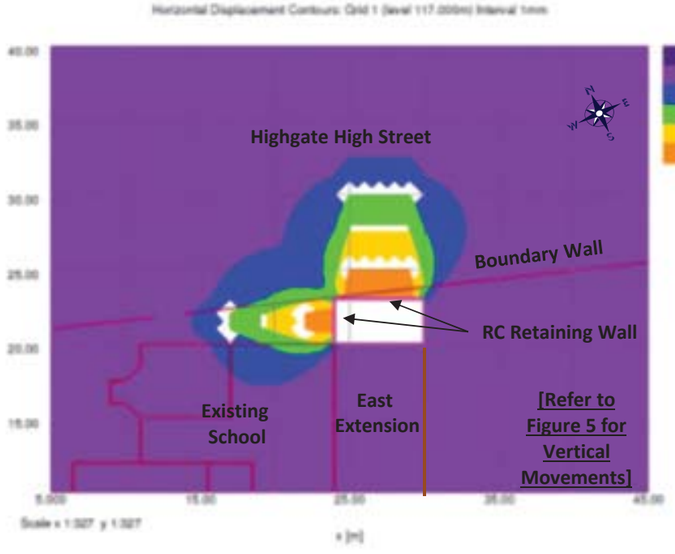
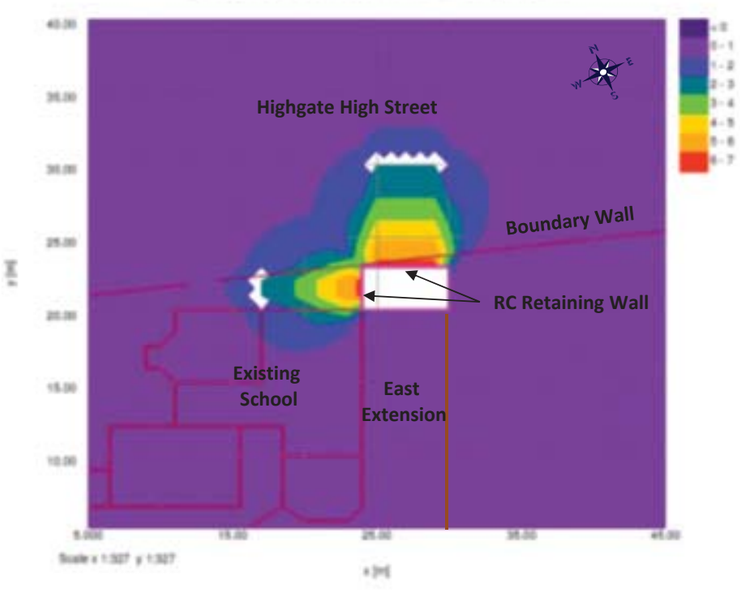


Figure 10B - RC Retaining Wall - Combined Horizontal Movements



Oasys

Channing Junior School, Highgate High Street, N6 5JR

Ground Movement & Damage Assessment

Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Date 07-Dec-2017	**Checked**	

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intervals across extrusion/line	Extrusion depth [m]	No. of intervals along extrusion	Calculate	Surface type for tunnels
Line	Line 1	-	0.05000	0.00000	113.50000	15.95000	0.00000	113.50000	8	-	-	Yes	Surface
Line	Line 2	-	16.00000	0.00000	113.50000	16.00000	5.00000	113.50000	5	-	-	Yes	Surface
Line	Line 3	-	8.00000	0.10000	113.50000	8.00000	5.00000	113.50000	5	-	-	Yes	Surface
Line	Line 4	-	8.05000	5.00000	113.50000	15.95000	5.00000	113.50000	8	-	-	Yes	Surface
Line	Line 5	-	16.05000	5.00000	113.50000	18.45000	6.50000	113.50000	2	-	-	Yes	Surface
Line	Line 6	-	18.50000	6.55000	113.50000	18.50000	11.95000	113.50000	5	-	-	Yes	Surface
Line	Line 7	-	6.55000	12.00000	113.50000	18.45000	12.00000	113.50000	6	-	-	Yes	Surface
Line	Line 8	-	6.50000	6.55000	113.50000	6.50000	12.00000	113.50000	5	-	-	Yes	Surface
Line	Line 9	-	4.00000	9.00000	113.50000	6.45000	9.00000	113.50000	2	-	-	Yes	Surface
Line	Line 10	-	4.00000	6.55000	113.50000	4.00000	8.95000	113.50000	2	-	-	Yes	Surface
Line	Line 11	-	4.00000	6.50000	113.50000	15.50000	6.50000	113.50000	5	-	-	Yes	Surface
Line	Line 12	-	15.50000	6.55000	113.50000	15.50000	11.95000	113.50000	5	-	-	Yes	Surface
Line	Line 13	-	0.05000	8.00000	113.50000	3.95000	8.00000	113.50000	4	-	-	Yes	Surface
Line	Line 14	-	0.00000	0.00000	113.50000	0.00000	8.00000	113.50000	8	-	-	Yes	Surface
Line	Line 15	-	18.50000	6.50000	113.50000	19.95000	5.50000	113.50000	1	-	-	Yes	Surface
Line	Line 16	-	20.00000	5.50000	113.50000	22.95000	5.50000	113.50000	3	-	-	Yes	Surface
Line	Line 17	-	23.00000	5.50000	113.50000	24.00000	6.45000	113.50000	1	-	-	Yes	Surface
Line	Line 18	-	24.00000	6.50000	113.50000	24.00000	9.95000	113.50000	3	-	-	Yes	Surface
Line	Line 19	-	18.55000	10.00000	113.50000	24.00000	10.00000	113.50000	5	-	-	Yes	Surface
Line	Line 20	-	11.00000	12.05000	116.00000	11.00000	14.95000	116.00000	3	-	-	Yes	Surface
Line	Line 21	-	11.00000	15.00000	114.00000	10.00000	16.00000	114.00000	1	-	-	Yes	Surface
Line	Line 22	-	10.00000	16.00000	114.00000	9.00000	16.00000	114.00000	1	-	-	Yes	Surface
Line	Line 23	-	9.00000	16.00000	114.00000	9.00000	17.50000	114.00000	1	-	-	Yes	Surface
Line	Line 24	-	9.00000	17.50000	114.00000	10.00000	17.50000	114.00000	1	-	-	Yes	Surface
Line	Line 25	-	10.00000	17.50000	114.00000	11.00000	18.50000	114.00000	1	-	-	Yes	Surface
Line	Line 26	-	11.00000	18.50000	114.00000	11.00000	20.00000	114.00000	1	-	-	Yes	Surface
Line	Line 27	-	11.05000	20.00000	114.00000	16.95000	20.00000	114.00000	6	-	-	Yes	Surface
Line	Line 28	-	17.00000	15.00000	114.00000	17.00000	20.00000	114.00000	5	-	-	Yes	Surface
Line	Line 29	-	11.05000	15.00000	114.00000	16.95000	15.00000	114.00000	6	-	-	Yes	Surface
Line	Line 30	-	17.05000	20.00000	116.00000	23.95000	20.00000	116.00000	7	-	-	Yes	Surface
Line	Line 31	-	24.00000	10.05000	116.00000	24.00000	20.00000	116.00000	5	-	-	Yes	Surface
Line	Line 32	-	14.00000	22.00000	114.50000	50.00000	26.00000	114.50000	18	-	-	Yes	Surface
Line	Line 33	-	-4.00000	20.00000	114.50000	12.00000	21.75000	114.50000	8	-	-	Yes	Surface
Line	Line 34	-	-14.00000	18.75000	114.50000	-8.00000	19.50000	114.50000	6	-	-	Yes	Surface
Line	Line 35	-	-14.00000	18.00000	116.00000	-9.00000	18.50000	116.00000	5	-	-	Yes	Surface
Line	Line 36	-	-9.00000	18.50000	116.00000	-5.50000	-9.50000	116.00000	14	-	-	Yes	Surface
Line	Line 37	-	-10.50000	-9.99500	116.00000	-5.50000	-9.50000	116.00000	5	-	-	Yes	Surface
Line	Line 38	-	-14.00000	18.00000	116.00000	-10.50000	-9.99500	116.00000	14	-	-	Yes	Surface
Grid	Grid 1	Global X	-4.00000	0.00000	117.00000	-	40.00000	117.00000	40	54.00000	54	Yes	Surface

Imported Displacements

The following data points and displacements were found in the import file .

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
1	23.81856	15.81773	114.00000	0.00000	0.00000	3.04522	
2	27.00000	6.14493	114.00000	0.00000	0.00000	-3.29364	
3	10.32783	-6.72288	113.00000	0.00000	0.00000	-3.85596	
4	8.88752	-26.39877	110.50000	0.00000	0.00000	-0.10408	
5	26.37500	22.12500	113.85000	0.00000	0.00000	-1.61315	
6	20.75000	19.50000	113.85000	0.00000	0.00000	1.78450	
7	16.00000	13.50000	113.85000	0.00000	0.00000	1.69990	
8	24.00000	14.50000	113.85000	0.00000	0.00000	2.62115	
9	19.00000	13.00000	113.85000	0.00000	0.00000	4.22822	
10	24.00000	4.00000	113.85000	0.00000	0.00000	6.21592	
11	25.00000	2.00000	113.85000	0.00000	0.00000	3.46276	
12	29.00000	2.00000	113.85000	0.00000	0.00000	3.48314	
13	7.00000	-0.50000	112.60000	0.00000	0.00000	0.13881	
14	3.00000	-4.00000	112.60000	0.00000	0.00000	0.32871	
15	3.00000	-7.50000	112.60000	0.00000	0.00000	0.99307	
16	3.00000	-11.50000	112.60000	0.00000	0.00000	1.78653	
17	7.00000	-15.00000	112.60000	0.00000	0.00000	1.83906	
18	10.00000	-15.00000	112.60000	0.00000	0.00000	0.95533	
19	16.00000	-15.00000	112.60000	0.00000	0.00000	1.74501	
20	17.00000	-1.00000	112.60000	0.00000	0.00000	1.97448	
21	17.00000	-4.00000	112.60000	0.00000	0.00000	1.71116	
22	17.00000	-7.50000	112.60000	0.00000	0.00000	1.47485	
23	17.00000	-11.50000	112.60000	0.00000	0.00000	2.10367	
24	7.00000	-4.00000	112.60000	0.00000	0.00000	0.98424	
25	7.00000	-7.50000	112.60000	0.00000	0.00000	1.14809	
26	7.00000	-11.50000	112.60000	0.00000	0.00000	1.99208	
27	30.00000	21.50000	113.85000	0.00000	0.00000	0.72189	
28	30.00000	16.00000	113.85000	0.00000	0.00000	-1.16193	
29	30.00000	10.00000	113.85000	0.00000	0.00000	-0.20369	
30	30.00000	4.00000	113.85000	0.00000	0.00000	6.27198	
31	0.05000	0.00000	113.50000	0.00000	0.00000	-0.88419	1,2,6
32	2.03750	0.00000	113.50000	0.00000	0.00000	-1.71691	1,2,6
33	4.02500	0.00000	113.50000	0.00000	0.00000	-1.95927	1,2,6
34	6.01250	0.00000	113.50000	0.00000	0.00000	-1.59285	1,2,6
35	8.00000	0.00000	113.50000	0.00000	0.00000	-1.72706	1,2,6
36	9.98750	0.00000	113.50000	0.00000	0.00000	-2.33244	1,2,6
37	11.97500	0.00000	113.50000	0.00000	0.00000	-2.32549	1,2,6
38	13.96250	0.00000	113.50000	0.00000	0.00000	-1.81252	1,2,6
39	15.95000	0.00000	113.50000	0.00000	0.00000	-0.20117	1,2,6
40	16.00000	0.00000	113.50000	0.00000	0.00000	-0.15959	1,2,6
41	16.00000	1.00000	113.50000	0.00000	0.00000	-0.44178	1,2,6
42	16.00000	2.00000	113.50000	0.00000	0.00000	-0.52810	1,2,6
43	16.00000	3.00000	113.50000	0.00000	0.00000	-0.55226	1,2,6
44	16.00000	4.00000	113.50000	0.00000	0.00000	-0.55576	1,2,6
45	16.00000	5.00000	113.50000	0.00000	0.00000	-0.55317	1,2,6
46	8.00000	0.10000	113.50000	0.00000	0.00000	-1.62334	1,2,6
47	8.00000	1.08000	113.50000	0.00000	0.00000	-1.23990	1,2,6
48	8.00000	2.06000	113.50000	0.00000	0.00000	-1.01717	1,2,6
49	8.00000	3.04000	113.50000	0.00000	0.00000	-0.84203	1,2,6
50	8.00000	4.02000	113.50000	0.00000	0.00000	-0.70581	1,2,6
51	8.00000	5.00000	113.50000	0.00000	0.00000	-0.60035	1,2,6
52	8.05000	5.00000	113.50000	0.00000	0.00000	-0.60116	1,2,6
53	9.03750	5.00000	113.50000	0.00000	0.00000	-0.61512	1,2,6
54	10.02500	5.00000	113.50000	0.00000	0.00000	-0.62354	1,2,6
55	11.01250	5.00000	113.50000	0.00000	0.00000	-0.62451	1,2,6
56	12.00000	5.00000	113.50000	0.00000	0.00000	-0.61728	1,2,6
57	12.98750	5.00000	113.50000	0.00000	0.00000	-0.60283	1,2,6
58	13.97500	5.00000	113.50000	0.00000	0.00000	-0.58402	1,2,6
59	14.96250	5.00000	113.50000	0.00000	0.00000	-0.56563	1,2,6
60	15.95000	5.00000	113.50000	0.00000	0.00000	-0.55351	1,2,6
61	16.05000	5.00000	113.50000	0.00000	0.00000	-0.55286	1,2,6
62	17.25000	5.75000	113.50000	0.00000	0.00000	-0.58348	1,2,6
63	18.45000	6.50000	113.50000	0.00000	0.00000	-0.69020	1,2,6

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
64	18.50000	6.55000	113.50000	0.00000	0.00000	-0.69813	1,2,6
65	18.50000	7.63000	113.50000	0.00000	0.00000	-0.78329	1,2,6
66	18.50000	8.71000	113.50000	0.00000	0.00000	-0.88425	1,2,6
67	18.50000	9.79000	113.50000	0.00000	0.00000	-1.06111	1,2,6
68	18.50000	10.87000	113.50000	0.00000	0.00000	-0.77149	1,2,6
69	18.50000	11.95000	113.50000	0.00000	0.00000	2.15789	1,2,6
70	6.55000	12.00000	113.50000	0.00000	0.00000	-0.26006	1,2,6
71	8.53333	12.00000	113.50000	0.00000	0.00000	-0.28156	1,2,6
72	10.51667	12.00000	113.50000	0.00000	0.00000	-0.29244	1,2,6
73	12.50000	12.00000	113.50000	0.00000	0.00000	-0.26174	1,2,6
74	14.48333	12.00000	113.50000	0.00000	0.00000	-0.04593	1,2,6
75	16.46667	12.00000	113.50000	0.00000	0.00000	0.38418	1,2,6
76	18.45000	12.00000	113.50000	0.00000	0.00000	2.30650	1,2,6
77	6.50000	6.55000	113.50000	0.00000	0.00000	-0.45791	1,2,6
78	6.50000	7.64000	113.50000	0.00000	0.00000	-0.39793	1,2,6
79	6.50000	8.73000	113.50000	0.00000	0.00000	-0.35078	1,2,6
80	6.50000	9.82000	113.50000	0.00000	0.00000	-0.31335	1,2,6
81	6.50000	10.91000	113.50000	0.00000	0.00000	-0.28346	1,2,6
82	6.50000	12.00000	113.50000	0.00000	0.00000	-0.25947	1,2,6
83	4.00000	9.00000	113.50000	0.00000	0.00000	-0.30393	1,2,6
84	5.22500	9.00000	113.50000	0.00000	0.00000	-0.32285	1,2,6
85	6.45000	9.00000	113.50000	0.00000	0.00000	-0.34004	1,2,6
86	4.00000	6.55000	113.50000	0.00000	0.00000	-0.41006	1,2,6
87	4.00000	7.75000	113.50000	0.00000	0.00000	-0.35102	1,2,6
88	4.00000	8.95000	113.50000	0.00000	0.00000	-0.30559	1,2,6
89	4.00000	6.50000	113.50000	0.00000	0.00000	-0.41289	1,2,6
90	6.30000	6.50000	113.50000	0.00000	0.00000	-0.45770	1,2,6
91	8.60000	6.50000	113.50000	0.00000	0.00000	-0.49039	1,2,6
92	10.90000	6.50000	113.50000	0.00000	0.00000	-0.50704	1,2,6
93	13.20000	6.50000	113.50000	0.00000	0.00000	-0.51004	1,2,6
94	15.50000	6.50000	113.50000	0.00000	0.00000	-0.53322	1,2,6
95	15.50000	6.55000	113.50000	0.00000	0.00000	-0.53216	1,2,6
96	15.50000	7.63000	113.50000	0.00000	0.00000	-0.50266	1,2,6
97	15.50000	8.71000	113.50000	0.00000	0.00000	-0.44873	1,2,6
98	15.50000	9.79000	113.50000	0.00000	0.00000	-0.34577	1,2,6
99	15.50000	10.87000	113.50000	0.00000	0.00000	-0.15009	1,2,6
100	15.50000	11.95000	113.50000	0.00000	0.00000	0.42435	1,2,6
101	0.05000	8.00000	113.50000	0.00000	0.00000	-0.26144	1,2,6
102	1.02500	8.00000	113.50000	0.00000	0.00000	-0.28192	1,2,6
103	2.00000	8.00000	113.50000	0.00000	0.00000	-0.30203	1,2,6
104	2.97500	8.00000	113.50000	0.00000	0.00000	-0.32139	1,2,6
105	3.95000	8.00000	113.50000	0.00000	0.00000	-0.33968	1,2,6
106	0.00000	0.00000	113.50000	0.00000	0.00000	-0.87034	1,2,6
107	0.00000	1.00000	113.50000	0.00000	0.00000	-0.72633	1,2,6
108	0.00000	2.00000	113.50000	0.00000	0.00000	-0.60298	1,2,6
109	0.00000	3.00000	113.50000	0.00000	0.00000	-0.50697	1,2,6
110	0.00000	4.00000	113.50000	0.00000	0.00000	-0.43281	1,2,6
111	0.00000	5.00000	113.50000	0.00000	0.00000	-0.37476	1,2,6
112	0.00000	6.00000	113.50000	0.00000	0.00000	-0.32894	1,2,6
113	0.00000	7.00000	113.50000	0.00000	0.00000	-0.29136	1,2,6
114	0.00000	8.00000	113.50000	0.00000	0.00000	-0.26039	1,2,6
115	18.50000	6.50000	113.50000	0.00000	0.00000	-0.69438	1,2,6
116	19.95000	5.50000	113.50000	0.00000	0.00000	-0.69623	1,2,6
117	20.00000	5.50000	113.50000	0.00000	0.00000	-0.69902	1,2,6
118	20.98333	5.50000	113.50000	0.00000	0.00000	-0.75425	1,2,6
119	21.96667	5.50000	113.50000	0.00000	0.00000	-0.80852	1,2,6
120	22.95000	5.50000	113.50000	0.00000	0.00000	-0.88684	1,2,6
121	23.00000	5.50000	113.50000	0.00000	0.00000	-0.89436	1,2,6
122	24.00000	6.45000	113.50000	0.00000	0.00000	-1.99123	1,2,6
123	24.00000	6.50000	113.50000	0.00000	0.00000	-2.01279	1,2,6
124	24.00000	7.65000	113.50000	0.00000	0.00000	-2.34363	1,2,6
125	24.00000	8.80000	113.50000	0.00000	0.00000	-2.34993	1,2,6
126	24.00000	9.95000	113.50000	0.00000	0.00000	-0.82392	1,2,6
127	18.55000	10.00000	113.50000	0.00000	0.00000	-1.14109	1,2,6
128	19.64000	10.00000	113.50000	0.00000	0.00000	-1.88543	1,2,6
129	20.73000	10.00000	113.50000	0.00000	0.00000	-2.37952	1,2,6
130	21.82000	10.00000	113.50000	0.00000	0.00000	-2.54513	1,2,6
131	22.91000	10.00000	113.50000	0.00000	0.00000	-2.02430	1,2,6
132	24.00000	10.00000	113.50000	0.00000	0.00000	-0.67446	1,2,6
133	11.00000	12.05000	116.00000	0.00000	0.00000	-0.28908	1,2,6
134	11.00000	13.01667	116.00000	0.00000	0.00000	-0.27751	1,2,6
135	11.00000	13.98333	116.00000	0.00000	0.00000	-0.27528	1,2,6
136	11.00000	14.95000	116.00000	0.00000	0.00000	-0.27947	1,2,6
137	11.00000	15.00000	114.00000	0.00000	0.00000	-0.28004	1,2,6
138	10.00000	16.00000	114.00000	0.00000	0.00000	-0.26187	1,2,6
139	10.00000	16.00000	114.00000	0.00000	0.00000	-0.26187	1,2,6
140	9.00000	16.00000	114.00000	0.00000	0.00000	-0.24205	1,2,6
141	9.00000	16.00000	114.00000	0.00000	0.00000	-0.24205	1,2,6
142	9.00000	17.50000	114.00000	0.00000	0.00000	-0.23050	1,2,6
143	9.00000	17.50000	114.00000	0.00000	0.00000	-0.23050	1,2,6
144	10.00000	17.50000	114.00000	0.00000	0.00000	-0.25425	1,2,6
145	10.00000	17.50000	114.00000	0.00000	0.00000	-0.25425	1,2,6
146	11.00000	18.50000	114.00000	0.00000	0.00000	-0.27557	1,2,6
147	11.00000	18.50000	114.00000	0.00000	0.00000	-0.27557	1,2,6
148	11.00000	20.00000	114.00000	0.00000	0.00000	-0.25091	1,2,6
149	11.05000	20.00000	114.00000	0.00000	0.00000	-0.25234	1,2,6
150	12.03333	20.00000	114.00000	0.00000	0.00000	-0.28351	1,2,6
151	13.01667	20.00000	114.00000	0.00000	0.00000	-0.32045	1,2,6
152	14.00000	20.00000	114.00000	0.00000	0.00000	-0.36015	1,2,6
153	14.98333	20.00000	114.00000	0.00000	0.00000	-0.38737	1,2,6
154	15.96667	20.00000	114.00000	0.00000	0.00000	-0.33703	1,2,6
155	16.95000	20.00000	114.00000	0.00000	0.00000	0.30957	1,2,6
156	17.00000	15.00000	114.00000	0.00000	0.00000	-1.98477	1,2,6
157	17.00000	16.00000	114.00000	0.00000	0.00000	-2.41991	1,2,6
158	17.00000	17.00000	114.00000	0.00000	0.00000	-2.53231	1,2,6
159	17.00000	18.00000	114.00000	0.00000	0.00000	-2.09558	1,2,6
160	17.00000	19.00000	114.00000	0.00000	0.00000	-0.36361	1,2,6
161	17.00000	20.00000	114.00000	0.00000	0.00000	0.46541	1,2,6
162	11.05000	15.00000	114.00000	0.00000	0.00000	-0.28079	1,2,6
163	12.03333	15.00000	114.00000	0.00000	0.00000	-0.29436	1,2,6
164	13.01667	15.00000	114.00000	0.00000	0.00000	-0.30276	1,2,6
165	14.00000	15.00000	114.00000	0.00000	0.00000	-0.29570	1,2,6
166	14.98333	15.00000	114.00000	0.00000	0.00000	-0.23259	1,2,6
167	15.96667	15.00000	114.00000	0.00000	0.00000	0.31534	1,2,6
168	16.95000	15.00000	114.00000	0.00000	0.00000	-1.89134	1,2,6
169	17.05000	20.00000	116.00000	0.00000	0.00000	0.85517	1,2,6
170	18.03571	20.00000	116.00000	0.00000	0.00000	1.37565	1,2,6
171	19.02143	20.00000	116.00000	0.00000	0.00000	1.45369	1,2,6
172	20.00714	20.00000	116.00000	0.00000	0.00000	1.47408	1,2,6
173	20.99286	20.00000	116.00000	0.00000	0.00000	1.51076	1,2,6
174	21.97857	20.00000	116.00000	0.00000	0.00000	1.56887	1,2,6
175	22.96429	20.00000	116.00000	0.00000	0.00000	1.56577	1,2,6
176	23.95000	20.00000	116.00000	0.00000	0.00000	1.01289	1,2,6
177	24.00000	10.05000	116.00000	0.00000	0.00000	1.51624	1,2,6
178	24.00000	12.04000	116.00000	0.00000	0.00000	3.38708	1,2,6
179	24.00000	14.03000	116.00000	0.00000	0.00000	3.42850	1,2,6
180	24.00000	16.02000	116.00000	0.00000	0.00000	3.54082	1,2,6
181	24.00000	18.01000	116.00000	0.00000	0.00000	3.96708	1,2,6

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	Date 07-Dec-2017	Checked

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	
182	24.00000	20.00000	116.00000	0.00000	0.00000	1.08457	1,2,6
183	14.00000	22.00000	114.50000	0.00000	0.00000	-0.26371	1,2,6
184	16.00000	22.22222	114.50000	0.00000	0.00000	-0.24236	1,2,6
185	18.00000	22.44444	114.50000	0.00000	0.00000	-0.19057	1,2,6
186	20.00000	22.66667	114.50000	0.00000	0.00000	-0.20644	1,2,6
187	22.00000	22.88889	114.50000	0.00000	0.00000	-0.30619	1,2,6
188	24.00000	23.11111	114.50000	0.00000	0.00000	-0.35498	1,2,6
189	26.00000	23.33333	114.50000	0.00000	0.00000	-0.72592	1,2,6
190	28.00000	23.55556	114.50000	0.00000	0.00000	-0.76945	1,2,6
191	30.00000	23.77778	114.50000	0.00000	0.00000	-0.49847	1,2,6
192	32.00000	24.00000	114.50000	0.00000	0.00000	-0.46608	1,2,6
193	34.00000	24.22222	114.50000	0.00000	0.00000	-0.41168	1,2,6
194	36.00000	24.44444	114.50000	0.00000	0.00000	-0.33561	1,2,6
195	38.00000	24.66667	114.50000	0.00000	0.00000	-0.26693	1,2,6
196	40.00000	24.88889	114.50000	0.00000	0.00000	-0.21152	1,2,6
197	42.00000	25.11111	114.50000	0.00000	0.00000	-0.16817	1,2,6
198	44.00000	25.33333	114.50000	0.00000	0.00000	-0.13443	1,2,6
199	46.00000	25.55556	114.50000	0.00000	0.00000	-0.10808	1,2,6
200	48.00000	25.77778	114.50000	0.00000	0.00000	-0.08736	1,2,6
201	50.00000	26.00000	114.50000	0.00000	0.00000	-0.07094	1,2,6
202	-4.00000	20.00000	114.50000	0.00000	0.00000	-0.07705	1,2,6
203	-2.00000	20.21875	114.50000	0.00000	0.00000	-0.08744	1,2,6
204	0.00000	20.43750	114.50000	0.00000	0.00000	-0.09912	1,2,6
205	2.00000	20.65625	114.50000	0.00000	0.00000	-0.11249	1,2,6
206	4.00000	20.87500	114.50000	0.00000	0.00000	-0.12822	1,2,6
207	6.00000	21.09375	114.50000	0.00000	0.00000	-0.14735	1,2,6
208	8.00000	21.31250	114.50000	0.00000	0.00000	-0.17139	1,2,6
209	10.00000	21.53125	114.50000	0.00000	0.00000	-0.20190	1,2,6
210	12.00000	21.75000	114.50000	0.00000	0.00000	-0.23778	1,2,6
211	-14.00000	18.75000	114.50000	0.00000	0.00000	-0.03910	1,2,6
212	-13.00000	18.87500	114.50000	0.00000	0.00000	-0.04205	1,2,6
213	-12.00000	19.00000	114.50000	0.00000	0.00000	-0.04517	1,2,6
214	-11.00000	19.12500	114.50000	0.00000	0.00000	-0.04847	1,2,6
215	-10.00000	19.25000	114.50000	0.00000	0.00000	-0.05195	1,2,6
216	-9.00000	19.37500	114.50000	0.00000	0.00000	-0.05563	1,2,6
217	-8.00000	19.50000	114.50000	0.00000	0.00000	-0.05949	1,2,6
218	-14.00000	18.00000	116.00000	0.00000	0.00000	-0.04067	1,2,6
219	-13.00000	18.10000	116.00000	0.00000	0.00000	-0.04384	1,2,6
220	-12.00000	18.20000	116.00000	0.00000	0.00000	-0.04720	1,2,6
221	-11.00000	18.30000	116.00000	0.00000	0.00000	-0.05077	1,2,6
222	-10.00000	18.40000	116.00000	0.00000	0.00000	-0.05455	1,2,6
223	-9.00000	18.50000	116.00000	0.00000	0.00000	-0.05854	1,2,6
224	-9.00000	18.50000	116.00000	0.00000	0.00000	-0.05854	1,2,6
225	-8.75000	16.50000	116.00000	0.00000	0.00000	-0.06721	1,2,6
226	-8.50000	14.50000	116.00000	0.00000	0.00000	-0.07736	1,2,6
227	-8.25000	12.50000	116.00000	0.00000	0.00000	-0.08935	1,2,6
228	-8.00000	10.50000	116.00000	0.00000	0.00000	-0.10357	1,2,6
229	-7.75000	8.50000	116.00000	0.00000	0.00000	-0.12042	1,2,6
230	-7.50000	6.50000	116.00000	0.00000	0.00000	-0.14019	1,2,6
231	-7.25000	4.50000	116.00000	0.00000	0.00000	-0.16277	1,2,6
232	-7.00000	2.50000	116.00000	0.00000	0.00000	-0.18711	1,2,6
233	-6.75000	0.50000	116.00000	0.00000	0.00000	-0.21050	1,2,6
234	-6.50000	-1.50000	116.00000	0.00000	0.00000	-0.22839	1,2,6
235	-6.25000	-3.50000	116.00000	0.00000	0.00000	-0.23604	1,2,6
236	-6.00000	-5.50000	116.00000	0.00000	0.00000	-0.23157	1,2,6
237	-5.75000	-7.50000	116.00000	0.00000	0.00000	-0.21702	1,2,6
238	-5.50000	-9.50000	116.00000	0.00000	0.00000	-0.19629	1,2,6
239	-10.50000	-9.99500	116.00000	0.00000	0.00000	-0.10637	1,2,6
240	-9.50000	-9.89600	116.00000	0.00000	0.00000	-0.11967	1,2,6
241	-8.50000	-9.79700	116.00000	0.00000	0.00000	-0.13495	1,2,6
242	-7.50000	-9.69800	116.00000	0.00000	0.00000	-0.15254	1,2,6
243	-6.50000	-9.59900	116.00000	0.00000	0.00000	-0.17284	1,2,6
244	-5.50000	-9.50000	116.00000	0.00000	0.00000	-0.19629	1,2,6
245	-14.00000	18.00000	116.00000	0.00000	0.00000	-0.04067	1,2,6
246	-13.75000	16.00036	116.00000	0.00000	0.00000	-0.04610	1,2,6
247	-13.50000	14.00071	116.00000	0.00000	0.00000	-0.05221	1,2,6
248	-13.25000	12.00107	116.00000	0.00000	0.00000	-0.05903	1,2,6
249	-13.00000	10.00143	116.00000	0.00000	0.00000	-0.06660	1,2,6
250	-12.75000	8.00179	116.00000	0.00000	0.00000	-0.07485	1,2,6
251	-12.50000	6.00214	116.00000	0.00000	0.00000	-0.08361	1,2,6
252	-12.25000	4.00250	116.00000	0.00000	0.00000	-0.09254	1,2,6
253	-12.00000	2.00286	116.00000	0.00000	0.00000	-0.10106	1,2,6
254	-11.75000	0.00321	116.00000	0.00000	0.00000	-0.10842	1,2,6
255	-11.50000	-1.99643	116.00000	0.00000	0.00000	-0.11374	1,2,6
256	-11.25000	-3.99607	116.00000	0.00000	0.00000	-0.11631	1,2,6
257	-11.00000	-5.99571	116.00000	0.00000	0.00000	-0.11578	1,2,6
258	-10.75000	-7.99536	116.00000	0.00000	0.00000	-0.11228	1,2,6
259	-10.50000	-9.99500	116.00000	0.00000	0.00000	-0.10637	1,2,6

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

Vertical Ground Movement Curves (Excavations)

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.016][0.650,0.000,0.014][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Horizontal Ground Movement Curves (Excavations)

Ref.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]

Curve Name: No horizontal ground movement
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Curve Name: Curve for 5 mm of horizontal settlement due to excavation in front of new RC retaining wall (adapted from CIRIA 580 Fig. 2.11(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)(%)]
[0.000,0.000,0.160][4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -4.00E-2x + 1.60E-1
Coeff. of Determination: 1.00

Polygonal Excavations

Excavation Name:	Excavation Phase
Surface level [m]:	117.00
Contribution:	Positive
Enabled:	Yes
Surface movement curves which are selected are applied between surface and [m]:	114.00

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	p1 [%]	p2* [%]	Next Side d [m]	p1 [%]	p2* [%]
1	24.000	20.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	24.000	23.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	30.000	23.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	30.000	20.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Horizontal
1	24.000	20.000	24.000	23.000	No vertical ground movement	Curve for 5 mm of horizontal settlement due to excavation in front of new RC retaining wall (adapted from CIRIA 580 Fig. 2.11(a))
2	24.000	23.000	30.000	23.000	No vertical ground movement	Curve for 5 mm of horizontal settlement due to excavation in front of new RC retaining wall (adapted from CIRIA 580 Fig. 2.11(a))
3	30.000	23.000	30.000	20.000	No vertical ground movement	No horizontal ground movement
4	30.000	20.000	24.000	20.000	No vertical ground movement	No horizontal ground movement

Excavation Name:	Installation Phase
Surface level [m]:	117.00
Contribution:	Positive
Enabled:	Yes
Surface movement curves which are selected are applied between surface and [m]:	114.00

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	p1 [%]	p2* [%]	Next Side d [m]	p1 [%]	p2* [%]
1	24.000	20.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	24.000	23.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	30.000	23.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	30.000	20.000	114.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Horizontal
1	24.000	20.000	24.000	23.000	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))
2	24.000	23.000	30.000	23.000	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))
3	30.000	23.000	30.000	20.000	No vertical ground movement	No horizontal ground movement
4	30.000	20.000	24.000	20.000	No vertical ground movement	No horizontal ground movement

Damage Category Strains

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

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
Existing School	Sub 1	Line 1	0.00000	15.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 2	Line 2	0.00000	5.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 3	Line 3	0.00000	4.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 4	Line 4	0.00000	7.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 5	Line 5	0.00000	2.83000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 6	Line 6	0.00000	5.39900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	Date 07-Dec-2017	Checked

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line	End Distance Along Line	Vertical Offsets from Line for Vertical	Vertical Displacement Limit Sensitivity	Damage Category Strains	Poisson's Ratio	E/G
Existing School	Sub 7	Line 7	0.00000	11.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 8	Line 8	0.00000	5.45000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 9	Line 9	0.00000	2.45000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 10	Line 10	0.00000	2.39900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 11	Line 11	0.00000	11.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 12	Line 12	0.00000	5.39900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 13	Line 13	0.00000	3.90000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 14	Line 14	0.00000	8.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 15	Line 15	0.00000	1.76100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 16	Line 16	0.00000	2.94900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 17	Line 17	0.00000	1.37900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 18	Line 18	0.00000	3.44900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 19	Line 19	0.00000	5.44900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 20	Line 20	0.00000	2.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 21	Line 21	0.00000	1.41400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 22	Line 22	0.00000	1.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 23	Line 23	0.00000	1.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 24	Line 24	0.00000	1.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 25	Line 25	0.00000	1.40000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 26	Line 26	0.00000	1.50000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 27	Line 27	0.00000	5.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 28	Line 28	0.00000	5.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 29	Line 29	0.00000	5.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 30	Line 30	0.00000	6.89900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Existing School	Sub 31	Line 31	0.00000	9.95000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Boundary Wall	Sub 32	Line 32	0.00000	36.22000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Boundary Wall	Sub 33	Line 33	0.00000	16.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Boundary Wall	Sub 34	Line 34	0.00000	6.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Stable Block	Sub 35	Line 35	0.00000	5.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Stable Block	Sub 36	Line 36	0.00000	28.20000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Stable Block	Sub 37	Line 37	0.00000	5.00000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
Stable Block	Sub 38	Line 38	0.00000	28.20000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging 2nd Moment of Area (per unit width) [m³]	Hogging Distance of Bending Strain from N.A. [m]	Hogging Distance of N.A. from Edge of Beam in Tension [m]	Sagging 2nd Moment of Area (per unit width) [m³]	Sagging Distance of Bending Strain from N.A. [m]	Sagging Distance of N.A. from Edge of Beam in Tension [m]
Existing School	Sub 1	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 2	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 3	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 4	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 5	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 6	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 7	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 8	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 9	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 10	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 11	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 12	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 13	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 14	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 15	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 16	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 17	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 18	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 19	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 20	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000
Existing School	Sub 21	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 22	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 23	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 24	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 25	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 26	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 27	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 28	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 29	10.000	Yes	333.33	10.000	10.000	83.333	5.0000	5.0000
Existing School	Sub 30	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000
Existing School	Sub 31	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000
Boundary Wall	Sub 32	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
Boundary Wall	Sub 33	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
Boundary Wall	Sub 34	4.5000	Yes	30.375	4.5000	4.5000	7.5938	2.2500	2.2500
Stable Block	Sub 35	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000
Stable Block	Sub 36	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000
Stable Block	Sub 37	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000
Stable Block	Sub 38	7.0000	Yes	114.33	7.0000	7.0000	28.583	3.5000	3.5000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start Length [m]	Curvature [m]	Combined Segment

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Displacement and Strain Results

Type/No. Name	Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	Horizontal displacement along Line [mm]	Horizontal displacement perpendicular to Line [mm]	Angle of Line to x Axis [°]	
Line 1	Line 1	0.05000	0.00000	113.50000	0.0	0.0	-0.88419	0.0	0.0	0.0	*
	1.9875	2.03750	0.00000	113.50000	0.0	0.0	-1.7169	0.0	0.0	0.0	*
	3.9750	4.02500	0.00000	113.50000	0.0	0.0	-1.9593	0.0	0.0	0.0	*
	5.9625	6.01250	0.00000	113.50000	0.0	0.0	-1.5929	0.0	0.0	0.0	*
	7.9500	8.00000	0.00000	113.50000	0.0	0.0	-1.7271	0.0	0.0	0.0	*
	9.9375	9.98750	0.00000	113.50000	0.0	0.0	-2.3324	0.0	0.0	0.0	*
	11.925	11.97500	0.00000	113.50000	0.0	0.0	-2.3255	0.0	0.0	0.0	*
	13.912	13.96250	0.00000	113.50000	0.0	0.0	-1.8125	0.0	0.0	0.0	*
	15.900	15.95000	0.00000	113.50000	0.0	0.0	-0.20117	0.0	0.0	0.0	*
Line 2	Line 2	16.00000	0.00000	113.50000	0.0	0.0	-0.15959	0.0	0.0	90.000	*
	1.0000	16.00000	1.00000	113.50000	0.0	0.0	-0.44178	0.0	0.0	90.000	*
	2.0000	16.00000	2.00000	113.50000	0.0	0.0	-0.52810	0.0	0.0	90.000	*
	3.0000	16.00000	3.00000	113.50000	0.0	0.0	-0.55226	0.0	0.0	90.000	*
	4.0000	16.00000	4.00000	113.50000	0.0	0.0	-0.55576	0.0	0.0	90.000	*
	5.0000	16.00000	5.00000	113.50000	0.0	0.0	-0.55317	0.0	0.0	90.000	*
Line 3	Line 3	8.00000	0.10000	113.50000	0.0	0.0	-1.6233	0.0	0.0	90.000	*
	0.98000	8.00000	1.08000	113.50000	0.0	0.0	-1.2399	0.0	0.0	90.000	*
	1.9600	8.00000	2.06000	113.50000	0.0	0.0	-1.0172	0.0	0.0	90.000	*

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis	
	2.9400	8.00000	3.04000	113.50000	0.0	0.0	-0.84203	0.0	0.0	90.000	*
	3.9200	8.00000	4.02000	113.50000	0.0	0.0	-0.70581	0.0	0.0	90.000	*
	4.9000	8.00000	5.00000	113.50000	0.0	0.0	-0.60035	0.0	0.0	90.000	*
Line 4	Line 4	8.05000	5.00000	113.50000	0.0	0.0	-0.60116	0.0	0.0	0.0	*
	0.98750	9.03750	5.00000	113.50000	0.0	0.0	-0.61512	0.0	0.0	0.0	*
	1.9750	10.02500	5.00000	113.50000	0.0	0.0	-0.62354	0.0	0.0	0.0	*
	2.9625	11.01250	5.00000	113.50000	0.0	0.0	-0.62451	0.0	0.0	0.0	*
	3.9500	12.00000	5.00000	113.50000	0.0	0.0	-0.61728	0.0	0.0	0.0	*
	4.9375	12.98750	5.00000	113.50000	0.0	0.0	-0.60283	0.0	0.0	0.0	*
	5.9250	13.97500	5.00000	113.50000	0.0	0.0	-0.58402	0.0	0.0	0.0	*
	6.9125	14.96250	5.00000	113.50000	0.0	0.0	-0.56563	0.0	0.0	0.0	*
	7.9000	15.95000	5.00000	113.50000	0.0	0.0	-0.55351	0.0	0.0	0.0	*
Line 5	Line 5	16.05000	5.00000	113.50000	0.0	0.0	-0.55286	0.0	0.0	32.005	*
	1.4151	17.25000	5.75000	113.50000	0.0	0.0	-0.58348	0.0	0.0	32.005	*
	2.8302	18.45000	6.50000	113.50000	0.0	0.0	-0.69020	0.0	0.0	32.005	*
Line 6	Line 6	18.50000	6.55000	113.50000	0.0	0.0	-0.69813	0.0	0.0	90.000	*
	1.0800	18.50000	7.63000	113.50000	0.0	0.0	-0.78329	0.0	0.0	90.000	*
	2.1600	18.50000	8.71000	113.50000	0.0	0.0	-0.88425	0.0	0.0	90.000	*
	3.2400	18.50000	9.79000	113.50000	0.0	0.0	-1.0611	0.0	0.0	90.000	*
	4.3200	18.50000	10.87000	113.50000	0.0	0.0	-0.77149	0.0	0.0	90.000	*
	5.4000	18.50000	11.95000	113.50000	0.0	0.0	2.1579	0.0	0.0	90.000	*
Line 7	Line 7	6.55000	12.00000	113.50000	0.0	0.0	-0.26006	0.0	0.0	0.0	*
	1.9833	8.53333	12.00000	113.50000	0.0	0.0	-0.28156	0.0	0.0	0.0	*
	3.9667	10.51667	12.00000	113.50000	0.0	0.0	-0.29244	0.0	0.0	0.0	*
	5.9500	12.50000	12.00000	113.50000	0.0	0.0	-0.26174	0.0	0.0	0.0	*
	7.9333	14.48333	12.00000	113.50000	0.0	0.0	-0.045925	0.0	0.0	0.0	*
	9.9167	16.46667	12.00000	113.50000	0.0	0.0	0.38418	0.0	0.0	0.0	*
	11.900	18.45000	12.00000	113.50000	0.0	0.0	2.3065	0.0	0.0	0.0	*
Line 8	Line 8	6.50000	13.50000	113.50000	0.0	0.0	-0.45791	0.0	0.0	90.000	*
	1.0900	6.50000	7.64000	113.50000	0.0	0.0	-0.39793	0.0	0.0	90.000	*
	2.1800	6.50000	8.73000	113.50000	0.0	0.0	-0.35078	0.0	0.0	90.000	*
	3.2700	6.50000	9.82000	113.50000	0.0	0.0	-0.31335	0.0	0.0	90.000	*
	4.3600	6.50000	10.91000	113.50000	0.0	0.0	-0.28346	0.0	0.0	90.000	*
	5.4500	6.50000	12.00000	113.50000	0.0	0.0	-0.25947	0.0	0.0	90.000	*
Line 9	Line 9	4.00000	9.00000	113.50000	0.0	0.0	-0.30393	0.0	0.0	0.0	*
	1.2250	5.22500	9.00000	113.50000	0.0	0.0	-0.32285	0.0	0.0	0.0	*
	2.4500	6.45000	9.00000	113.50000	0.0	0.0	-0.34004	0.0	0.0	0.0	*
Line 10	Line 10	4.00000	6.55000	113.50000	0.0	0.0	-0.41006	0.0	0.0	90.000	*
	1.2000	4.00000	7.75000	113.50000	0.0	0.0	-0.35102	0.0	0.0	90.000	*
	2.4000	4.00000	8.95000	113.50000	0.0	0.0	-0.30559	0.0	0.0	90.000	*
Line 11	Line 11	4.00000	6.50000	113.50000	0.0	0.0	-0.41289	0.0	0.0	0.0	*
	2.3000	6.23000	6.50000	113.50000	0.0	0.0	-0.45770	0.0	0.0	0.0	*
	4.6000	8.60000	6.50000	113.50000	0.0	0.0	-0.49039	0.0	0.0	0.0	*
	6.9000	10.90000	6.50000	113.50000	0.0	0.0	-0.50704	0.0	0.0	0.0	*
	9.2000	13.20000	6.50000	113.50000	0.0	0.0	-0.51004	0.0	0.0	0.0	*
	11.500	15.50000	6.50000	113.50000	0.0	0.0	-0.53322	0.0	0.0	0.0	*
Line 12	Line 12	15.50000	6.55000	113.50000	0.0	0.0	-0.53216	0.0	0.0	90.000	*
	1.0800	15.50000	7.63000	113.50000	0.0	0.0	-0.50266	0.0	0.0	90.000	*
	2.1600	15.50000	8.71000	113.50000	0.0	0.0	-0.44873	0.0	0.0	90.000	*
	3.2400	15.50000	9.79000	113.50000	0.0	0.0	-0.34577	0.0	0.0	90.000	*
	4.3200	15.50000	10.87000	113.50000	0.0	0.0	-0.15009	0.0	0.0	90.000	*
	5.4000	15.50000	11.95000	113.50000	0.0	0.0	0.42435	0.0	0.0	90.000	*
Line 13	Line 13	0.05000	8.00000	113.50000	0.0	0.0	-0.26144	0.0	0.0	0.0	*
	0.97500	1.02500	8.00000	113.50000	0.0	0.0	-0.28192	0.0	0.0	0.0	*
	1.9500	2.00000	8.00000	113.50000	0.0	0.0	-0.30203	0.0	0.0	0.0	*
	2.9250	2.97500	8.00000	113.50000	0.0	0.0	-0.32139	0.0	0.0	0.0	*
	3.9000	3.95000	8.00000	113.50000	0.0	0.0	-0.33968	0.0	0.0	0.0	*
Line 14	Line 14	0.00000	0.00000	113.50000	0.0	0.0	-0.87034	0.0	0.0	90.000	*
	1.0000	0.00000	1.00000	113.50000	0.0	0.0	-0.72633	0.0	0.0	90.000	*
	2.0000	0.00000	2.00000	113.50000	0.0	0.0	-0.60298	0.0	0.0	90.000	*
	3.0000	0.00000	3.00000	113.50000	0.0	0.0	-0.50697	0.0	0.0	90.000	*
	4.0000	0.00000	4.00000	113.50000	0.0	0.0	-0.43281	0.0	0.0	90.000	*
	5.0000	0.00000	5.00000	113.50000	0.0	0.0	-0.37476	0.0	0.0	90.000	*
	6.0000	0.00000	6.00000	113.50000	0.0	0.0	-0.32894	0.0	0.0	90.000	*
	7.0000	0.00000	7.00000	113.50000	0.0	0.0	-0.29136	0.0	0.0	90.000	*
	8.0000	0.00000	8.00000	113.50000	0.0	0.0	-0.26039	0.0	0.0	90.000	*
Line 15	Line 15	18.50000	6.50000	113.50000	0.0	0.0	-0.69438	0.0	0.0	325.41	*
	1.7614	19.95000	5.50000	113.50000	0.0	0.0	-0.69623	0.0	0.0	325.41	*
Line 16	Line 16	20.00000	5.50000	113.50000	0.0	0.0	-0.69902	0.0	0.0	0.0	*
	0.98333	20.98333	5.50000	113.50000	0.0	0.0	-0.75425	0.0	0.0	0.0	*
	1.9667	21.96667	5.50000	113.50000	0.0	0.0	-0.80852	0.0	0.0	0.0	*
	2.9500	22.95000	5.50000	113.50000	0.0	0.0	-0.88684	0.0	0.0	0.0	*
Line 17	Line 17	23.00000	5.50000	113.50000	0.0	0.0	-0.89436	0.0	0.0	43.531	*
	1.3793	24.00000	6.45000	113.50000	0.0	0.0	-1.9912	0.0	0.0	43.531	*
Line 18	Line 18	24.00000	6.50000	113.50000	0.0	0.0	-2.0128	0.0	0.0	90.000	*
	1.1500	24.00000	7.65000	113.50000	0.0	0.0	-2.3436	0.0	0.0	90.000	*
	2.3000	24.00000	8.80000	113.50000	0.0	0.0	-2.3499	0.0	0.0	90.000	*
	3.4500	24.00000	9.95000	113.50000	0.0	0.0	-0.82392	0.0	0.0	90.000	*
Line 19	Line 19	18.55000	10.00000	113.50000	0.0	0.0	-1.1411	0.0	0.0	0.0	*
	1.0900	19.64000	10.00000	113.50000	0.0	0.0	-1.8854	0.0	0.0	0.0	*
	2.1800	20.73000	10.00000	113.50000	0.0	0.0	-2.3795	0.0	0.0	0.0	*
	3.2700	21.82000	10.00000	113.50000	0.0	0.0	-2.5451	0.0	0.0	0.0	*
	4.3600	22.91000	10.00000	113.50000	0.0	0.0	-2.0243	0.0	0.0	0.0	*
	5.4500	24.00000	10.00000	113.50000	0.0	0.0	-0.67446	0.0	0.0	0.0	*
Line 20	Line 20	11.00000	12.05000	116.00000	0.0	0.0	-0.28908	0.0	0.0	90.000	*
	0.96667	11.00000	13.01667	116.00000	0.0	0.0	-0.27751	0.0	0.0	90.000	*
	1.9333	11.00000	13.98333	116.00000	0.0	0.0	-0.27528	0.0	0.0	90.000	*
	2.9000	11.00000	14.95000	116.00000	0.0	0.0	-0.27947	0.0	0.0	90.000	*
Line 21	Line 21	11.00000	15.00000	114.00000	0.0	0.0	-0.28004	0.0	0.0	135.00	*
	1.4142	10.00000	16.00000	114.00000	0.0	0.0	-0.52375	0.0	0.0	135.00	*
Line 22	Line 22	10.00000	16.00000	114.00000	0.0	0.0	-0.52375	0.0	0.0	180.00	*
	1.0000	9.00000	16.00000	114.00000	0.0	0.0	-0.48411	0.0	0.0	180.00	*
Line 23	Line 23	9.00000	16.00000	114.00000	0.0	0.0	-0.48411	0.0	0.0	90.000	*
	1.5000	9.00000	17.50000	114.00000	0.0	0.0	-0.46101	0.0	0.0	90.000	*
Line 24	Line 24	9.00000	17.50000	114.00000	0.0	0.0	-0.46101	0.0	0.0	0.0	*
	1.0000	10.00000	17.50000	114.00000	0.0	0.0	-0.50850	0.0	0.0	0.0	*
Line 25	Line 25	10.00000	17.50000	114.00000	0.0	0.0	-0.50850	0.0	0.0	45.000	*
	1.4142	11.00000	18.50000	114.00000	0.0	0.0	-0.55114	0.0	0.0	45.000	*
Line 26	Line 26	11.00000	18.50000	114.00000	0.0	0.0	-0.55114	0.0	0.0	90.000	*
	1.5000	11.00000	20.00000	114.00000	0.0	0.0	-0.25091	0.0	0.0	90.000	*
Line 27	Line 27	11.05000	20.00000	114.00000	0.0	0.0	-0.25234	0.0	0.0	0.0	*
	0.98333	12.03333	20.00000	114.00000	0.0	0.0	-0.28351	0.0	0.0	0.0	*
	1.9667	13.01667	20.00000	114.00000	0.0	0.0	-0.32045	0.0	0.0	0.0	*
	2.9500	14.00000	20.00000	114.00000	0.0	0.0	-0.36015	0.0	0.0	0.0	*
	3.9333	14.98333	20.00000	114.00000	0.0	0.0	-0.38737	0.0	0.0	0.0	*
	4.9167	15.96667	20.00000	114.00000	0.0	0.0	-0.33703	0.0	0.0	0.0	*
	5.9000	16.95000	20.00000	114.00000	0.0	0.0	0.30957	0.0	0.0	0.0	*
Line 28	Line 28	17.00000	15.00000	114.00000	0.0	0.0	-1.9848	0.0	0.0	90.000	*
	1.0000	17.00000	16.00000	114.00000	0.0	0.0	-2.4199	0.0	0.0	90.000	*
	2.0000	17.00000	17.00000	114.00000	0.0	0.0	-2.5323	0.0	0.0	90.000	*
	3.0000	17.00000	18.00000	114.00000	0.0	0.0	-2.0956	0.0	0.0	90.000	*
	4.0000	17.00000	19.00000	114.00000	0.0	0.0	-0.36361	0.0	0.0	90.000	*
	5.0000	17.00000	20.00000	114.00000	0.0	0.0	0.46541	0.0	0.0	90.000	*
Line 29	Line 29	11.05000	15.00000	114.00000	0.0	0.0	-0.28079	0.0	0.0	0.0	*
	0.98333	12.03333	15.00000	114.00000	0.0	0.0	-0.29436	0.0	0.0	0.0	*
	1.9667	13.01667	15.00000	114.00000	0.0	0.0	-0.30276	0.0	0.0	0.0	*
	2.9500	14.00000	15.00000	114.00000	0.0	0.0	-0.29570	0.0	0.0	0.0	*
	3.9333	14.98333	15.00000	114.00000	0.0	0.0	-0.23259	0.0	0.0	0.0	*
	4.9167	15.96667	15.00000	114.00000	0.0	0.0	0.31534	0.0	0.0	0.0	*
	5.9000	16.95000	15.00000	114.00000	0.0	0.0	-1.8913	0.0	0.0	0.0	*
Line 30	Line 30	17.05000	20.00000	116.00000	1.3534	0.0	0.85517	1.3534	0.0	0.0	*
	0.98571	18.03571	20.00000	116.00000	1.6176	0.0	1.3757	1.6176	0.0	0.0	*
	1.9714	19.02143	20.00000	116.00000	1.8817	0.0	1.4537	1.8817	0.0	0.0	*
	2.9571	20.00714	20.00000	116.00000	2.2592	0.0	1.4911	2.2592	0.0	0.0	*
	3.9429	20.99286	20.00000	116.00000	2.7435	0.0	1.5892	2.7435	0.0	0.0	*
	4.9286	21.97857	20.00000	116.00000	3.2278	0.0	1.8214	3.2278	0.0	0.0	*
	5.9143	22.96429	20.00000	116.00000	3.7121	0.0	2.1335	3.7121	0.0	0.0	*
	6.9000	23.95000	20.00000	116.00000	4.1964	0.0	1.9956	4.1964	0.0	0.0	*
Line 31	Line 31	24.00000	10.05000	116.00000	0.0	0.0	1.5162	0.0	0.0	90.000	*
	1.9900	24.00000	12.04000	116.00000	0.0	0.0	3.3871	0.0	0.0	90.000	*

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	Date 07-Dec-2017	Checked

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis	
	3.9800	24.00000	14.03000	116.00000	0.0	0.0	3.4285	0.0	0.0	90.000	*
	5.9700	24.00000	16.02000	116.00000	0.0	0.0	3.5408	0.0	0.0	90.000	*
	7.9600	24.00000	18.01000	116.00000	0.0	0.0	3.9671	0.0	0.0	90.000	*
	9.9500	24.00000	20.00000	116.00000	2.1105	0.0	1.5869	0.0	-2.1105	90.000	*
Line 32	Line 32	14.00000	22.00000	114.50000	0.80000	0.0	-0.26371	0.79511	-0.088345	6.3402	*
	2.0123	16.00000	22.22222	114.50000	1.6000	0.0	-0.24236	1.5902	-0.17669	6.3402	*
	4.0246	18.00000	22.44444	114.50000	2.4000	0.0	-0.19057	2.3853	-0.26504	6.3402	*
	6.0369	20.00000	22.66667	114.50000	3.3667	0.0	-0.18138	3.3461	-0.37179	6.3402	*
	8.0492	22.00000	22.88889	114.50000	4.8333	0.0	0.078780	4.8038	-0.53375	6.3402	*
	10.062	24.00000	23.11111	114.50000	0.0	-4.1664	0.60087	-0.46010	-4.1409	6.3402	*
	12.074	26.00000	23.33333	114.50000	0.0	-6.0556	0.55527	-0.66872	-6.0185	6.3402	*
	14.086	28.00000	23.55556	114.50000	0.0	-5.8926	0.36883	-0.65073	-5.8566	6.3402	*
	16.098	30.00000	23.77778	114.50000	0.0	-3.8389	0.17149	-0.42393	-3.8154	6.3402	*
	18.111	32.00000	24.00000	114.50000	0.0	-0.68777	-0.42147	-0.075952	-0.68357	6.3402	*
	20.123	34.00000	24.22222	114.50000	0.0	-0.30515	-0.41011	-0.033699	-0.30329	6.3402	*
	22.135	36.00000	24.44444	114.50000	0.0	-0.17532	-0.33561	-0.019361	-0.17425	6.3402	*
	24.148	38.00000	24.66667	114.50000	0.0	-0.10012	-0.26693	-0.011056	-0.099503	6.3402	*
	26.160	40.00000	24.88889	114.50000	0.0	-0.043337	-0.21152	-0.0047857	-0.043072	6.3402	*
	28.172	42.00000	25.11111	114.50000	0.0	0.0	-0.16817	0.0	0.0	6.3402	*
	30.185	44.00000	25.33333	114.50000	0.0	0.0	-0.13443	0.0	0.0	6.3402	*
	32.197	46.00000	25.55556	114.50000	0.0	0.0	-0.10808	0.0	0.0	6.3402	*
	34.209	48.00000	25.77778	114.50000	0.0	0.0	-0.087357	0.0	0.0	6.3402	*
	36.222	50.00000	26.00000	114.50000	0.0	0.0	-0.070942	0.0	0.0	6.3402	*
Line 33	Line 33	-4.00000	20.00000	114.50000	0.0	0.0	-0.077049	0.0	0.0	6.2419	*
	2.0119	-2.00000	20.21875	114.50000	0.0	0.0	-0.087444	0.0	0.0	6.2419	*
	4.0239	0.00000	20.43750	114.50000	0.0	0.0	-0.099124	0.0	0.0	6.2419	*
	6.0358	2.00000	20.65625	114.50000	0.0	0.0	-0.11249	0.0	0.0	6.2419	*
	8.0477	4.00000	20.87500	114.50000	0.0	0.0	-0.12822	0.0	0.0	6.2419	*
	10.060	6.00000	21.09375	114.50000	0.0	0.0	-0.14735	0.0	0.0	6.2419	*
	12.072	8.00000	21.31250	114.50000	0.0	0.0	-0.17139	0.0	0.0	6.2419	*
	14.083	10.00000	21.53125	114.50000	0.0	0.0	-0.20190	0.0	0.0	6.2419	*
	16.095	12.00000	21.75000	114.50000	0.0	0.0	-0.23778	0.0	0.0	6.2419	*
Line 34	Line 34	-14.00000	18.75000	114.50000	0.0	0.0	-0.039102	0.0	0.0	7.1250	*
	1.0078	-13.00000	18.87500	114.50000	0.0	0.0	-0.042050	0.0	0.0	7.1250	*
	2.0156	-12.00000	19.00000	114.50000	0.0	0.0	-0.045171	0.0	0.0	7.1250	*
	3.0233	-11.00000	19.12500	114.50000	0.0	0.0	-0.048471	0.0	0.0	7.1250	*
	4.0311	-10.00000	19.25000	114.50000	0.0	0.0	-0.051955	0.0	0.0	7.1250	*
	5.0389	-9.00000	19.37500	114.50000	0.0	0.0	-0.055627	0.0	0.0	7.1250	*
	6.0467	-8.00000	19.50000	114.50000	0.0	0.0	-0.059492	0.0	0.0	7.1250	*
Line 35	Line 35	-14.00000	18.00000	116.00000	0.0	0.0	-0.081339	0.0	0.0	5.7106	*
	1.0050	-13.00000	18.10000	116.00000	0.0	0.0	-0.043835	0.0	0.0	5.7106	*
	2.0100	-12.00000	18.20000	116.00000	0.0	0.0	-0.047199	0.0	0.0	5.7106	*
	3.0150	-11.00000	18.30000	116.00000	0.0	0.0	-0.050767	0.0	0.0	5.7106	*
	4.0200	-10.00000	18.40000	116.00000	0.0	0.0	-0.054545	0.0	0.0	5.7106	*
	5.0249	-9.00000	18.50000	116.00000	0.0	0.0	-0.11708	0.0	0.0	5.7106	*
Line 36	Line 36	-9.00000	18.50000	116.00000	0.0	0.0	-0.11708	0.0	0.0	277.13	*
	2.0156	-8.75000	16.50000	116.00000	0.0	0.0	-0.067209	0.0	0.0	277.13	*
	4.0311	-8.50000	14.50000	116.00000	0.0	0.0	-0.077364	0.0	0.0	277.13	*
	6.0467	-8.25000	12.50000	116.00000	0.0	0.0	-0.089350	0.0	0.0	277.13	*
	8.0623	-8.00000	10.50000	116.00000	0.0	0.0	-0.10357	0.0	0.0	277.13	*
	10.078	-7.75000	8.50000	116.00000	0.0	0.0	-0.12042	0.0	0.0	277.13	*
	12.093	-7.50000	6.50000	116.00000	0.0	0.0	-0.14019	0.0	0.0	277.13	*
	14.109	-7.25000	4.50000	116.00000	0.0	0.0	-0.16277	0.0	0.0	277.13	*
	16.125	-7.00000	2.50000	116.00000	0.0	0.0	-0.18711	0.0	0.0	277.13	*
	18.140	-6.75000	0.50000	116.00000	0.0	0.0	-0.21050	0.0	0.0	277.13	*
	20.156	-6.50000	-1.50000	116.00000	0.0	0.0	-0.22839	0.0	0.0	277.13	*
	22.171	-6.25000	-3.50000	116.00000	0.0	0.0	-0.23604	0.0	0.0	277.13	*
	24.187	-6.00000	-5.50000	116.00000	0.0	0.0	-0.23157	0.0	0.0	277.13	*
	26.202	-5.75000	-7.50000	116.00000	0.0	0.0	-0.21702	0.0	0.0	277.13	*
	28.218	-5.50000	-9.50000	116.00000	0.0	0.0	-0.39259	0.0	0.0	277.13	*
Line 37	Line 37	-10.50000	-9.99500	116.00000	0.0	0.0	-0.21273	0.0	0.0	5.6539	*
	1.0049	-9.50000	-9.89600	116.00000	0.0	0.0	-0.11967	0.0	0.0	5.6539	*
	2.0098	-8.50000	-9.79700	116.00000	0.0	0.0	-0.13495	0.0	0.0	5.6539	*
	3.0147	-7.50000	-9.69800	116.00000	0.0	0.0	-0.15254	0.0	0.0	5.6539	*
	4.0196	-6.50000	-9.59900	116.00000	0.0	0.0	-0.17284	0.0	0.0	5.6539	*
	5.0244	-5.50000	-9.50000	116.00000	0.0	0.0	-0.39259	0.0	0.0	5.6539	*
Line 38	Line 38	-14.00000	18.00000	116.00000	0.0	0.0	-0.081339	0.0	0.0	277.13	*
	2.0152	-13.75000	16.00036	116.00000	0.0	0.0	-0.046103	0.0	0.0	277.13	*
	4.0304	-13.50000	14.00071	116.00000	0.0	0.0	-0.052208	0.0	0.0	277.13	*
	6.0456	-13.25000	12.00107	116.00000	0.0	0.0	-0.059034	0.0	0.0	277.13	*
	8.0608	-13.00000	10.00143	116.00000	0.0	0.0	-0.066599	0.0	0.0	277.13	*
	10.076	-12.75000	8.00179	116.00000	0.0	0.0	-0.074848	0.0	0.0	277.13	*
	12.091	-12.50000	6.00214	116.00000	0.0	0.0	-0.083609	0.0	0.0	277.13	*
	14.106	-12.25000	4.00250	116.00000	0.0	0.0	-0.092537	0.0	0.0	277.13	*
	16.122	-12.00000	2.00286	116.00000	0.0	0.0	-0.10106	0.0	0.0	277.13	*
	18.137	-11.75000	0.00321	116.00000	0.0	0.0	-0.10842	0.0	0.0	277.13	*
	20.152	-11.50000	-1.99643	116.00000	0.0	0.0	-0.11374	0.0	0.0	277.13	*
	22.167	-11.25000	-3.99607	116.00000	0.0	0.0	-0.11631	0.0	0.0	277.13	*
	24.183	-11.00000	-5.99571	116.00000	0.0	0.0	-0.11578	0.0	0.0	277.13	*
	26.198	-10.75000	-7.99536	116.00000	0.0	0.0	-0.11228	0.0	0.0	277.13	*
	28.213	-10.50000	-9.99500	116.00000	0.0	0.0	-0.21273	0.0	0.0	277.13	*
Grid 1	Grid 1	-4.00000	0.00000	117.00000	0.0	0.0	0.0	-	-	-	
		-3.00000	0.00000	117.00000	0.0	0.0	0.0	-	-	-	
		-2.00000	0.00000	117.00000	0.0	0.0	0.0	-	-	-	
		-1.00000	0.00000	117.00000	0.0	0.0	0.0	-	-	-	
		0.00000	0.00000	117.00000	0.0	0.0	0.0	-	-	-	
		1.00000	0.00000	117.00000	0.0	0.0	0.0	-	-	-	
		2.00000	0.00000	117.00000	0.0

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		45.00000	0.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	0.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	0.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	0.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	0.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	0.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	1.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	2.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		10.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	3.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	4.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	5.00000	117.00000	0.0	0.0	0.0	–	–	–

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		30.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	5.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		18.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		19.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		20.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		21.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		22.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		23.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		24.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		25.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		26.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		27.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		28.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		29.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		30.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	6.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		18.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		19.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		20.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		21.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		22.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		23.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		24.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		25.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		26.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		27.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		28.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		29.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		30.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		50.00000	7.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		18.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		19.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		20.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		21.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		22.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		23.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		24.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		25.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		26.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		27.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		28.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		29.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		30.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	8.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		18.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		19.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		20.00000	9.00000	117.00000	0.013113	0.0	0.0	-	-	-
		21.00000	9.00000	117.00000	0.020281	0.0	0.0	-	-	-
		22.00000	9.00000	117.00000	0.018770	0.0	0.0	-	-	-
		23.00000	9.00000	117.00000	0.011020	0.0	0.0	-	-	-
		24.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		25.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		26.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		27.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		28.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		29.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		30.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	9.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	10.00000	117.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		15.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	10.00000	117.00000	0.023264	0.0	0.0	–	–	–
		19.00000	10.00000	117.00000	0.048387	0.0	0.0	–	–	–
		20.00000	10.00000	117.00000	0.059575	0.0	0.0	–	–	–
		21.00000	10.00000	117.00000	0.057879	0.0	0.0	–	–	–
		22.00000	10.00000	117.00000	0.045289	0.0	0.0	–	–	–
		23.00000	10.00000	117.00000	0.024747	0.0	0.0	–	–	–
		24.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	10.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	11.00000	117.00000	0.050352	0.0	0.0	–	–	–
		18.00000	11.00000	117.00000	0.088593	0.0	0.0	–	–	–
		19.00000	11.00000	117.00000	0.11004	0.0	0.0	–	–	–
		20.00000	11.00000	117.00000	0.11455	0.0	0.0	–	–	–
		21.00000	11.00000	117.00000	0.10296	0.0	0.0	–	–	–
		22.00000	11.00000	117.00000	0.077413	0.0	0.0	–	–	–
		23.00000	11.00000	117.00000	0.041488	0.0	0.0	–	–	–
		24.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	11.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	12.00000	117.00000	0.068629	0.0	0.0	–	–	–
		17.00000	12.00000	117.00000	0.12537	0.0	0.0	–	–	–
		18.00000	12.00000	117.00000	0.16387	0.0	0.0	–	–	–
		19.00000	12.00000	117.00000	0.18250	0.0	0.0	–	–	–
		20.00000	12.00000	117.00000	0.18039	0.0	0.0	–	–	–
		21.00000	12.00000	117.00000	0.15787	0.0	0.0	–	–	–
		22.00000	12.00000	117.00000	0.11709	0.0	0.0	–	–	–
		23.00000	12.00000	117.00000	0.062348	0.0	0.0	–	–	–
		24.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		35.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	12.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	13.00000	117.00000	0.075738	0.0	0.0	–	–	–
		16.00000	13.00000	117.00000	0.15649	0.0	0.0	–	–	–
		17.00000	13.00000	117.00000	0.21005	0.0	0.0	–	–	–
		18.00000	13.00000	117.00000	0.25087	0.0	0.0	–	–	–
		19.00000	13.00000	117.00000	0.26832	0.0	0.0	–	–	–
		20.00000	13.00000	117.00000	0.26028	0.0	0.0	–	–	–
		21.00000	13.00000	117.00000	0.22602	0.0	0.0	–	–	–
		22.00000	13.00000	117.00000	0.16725	0.0	0.0	–	–	–
		23.00000	13.00000	117.00000	0.089050	0.0	0.0	–	–	–
		24.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	13.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	14.00000	117.00000	0.051527	0.0	0.0	–	–	–
		15.00000	14.00000	117.00000	0.16830	0.0	0.0	–	–	–
		16.00000	14.00000	117.00000	0.26070	0.0	0.0	–	–	–
		17.00000	14.00000	117.00000	0.32371	0.0	0.0	–	–	–
		18.00000	14.00000	117.00000	0.35147	0.0	0.0	–	–	–
		19.00000	14.00000	117.00000	0.37061	0.0	0.0	–	–	–
		20.00000	14.00000	117.00000	0.35853	0.0	0.0	–	–	–
		21.00000	14.00000	117.00000	0.31239	0.0	0.0	–	–	–
		22.00000	14.00000	117.00000	0.23250	0.0	0.0	–	–	–
		23.00000	14.00000	117.00000	0.12442	0.0	0.0	–	–	–
		24.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	14.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		0.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	15.00000	117.00000	0.13838	0.0	0.0	–	–	–
		15.00000	15.00000	117.00000	0.27190	0.0	0.0	–	–	–
		16.00000	15.00000	117.00000	0.38109	0.0	0.0	–	–	–
		17.00000	15.00000	117.00000	0.45979	0.0	0.0	–	–	–
		18.00000	15.00000	117.00000	0.50022	0.0	0.0	–	–	–
		19.00000	15.00000	117.00000	0.49289	0.0	0.0	–	–	–
		20.00000	15.00000	117.00000	0.48083	0.0	0.0	–	–	–
		21.00000	15.00000	117.00000	0.42448	0.0	0.0	–	–	–
		22.00000	15.00000	117.00000	0.32047	0.0	0.0	–	–	–
		23.00000	15.00000	117.00000	0.17344	0.0	0.0	–	–	–
		24.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	15.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	16.00000	117.00000	0.057110	0.0	0.0	–	–	–
		14.00000	16.00000	117.00000	0.22947	0.0	0.0	–	–	–
		15.00000	16.00000	117.00000	0.38407	0.0	0.0	–	–	–
		16.00000	16.00000	117.00000	0.51588	0.0	0.0	–	–	–
		17.00000	16.00000	117.00000	0.61804	0.0	0.0	–	–	–
		18.00000	16.00000	117.00000	0.68109	0.0	0.0	–	–	–
		19.00000	16.00000	117.00000	0.69217	0.0	0.0	–	–	–
		20.00000	16.00000	117.00000	0.63431	0.0	0.0	–	–	–
		21.00000	16.00000	117.00000	0.57353	0.0	0.0	–	–	–
		22.00000	16.00000	117.00000	0.44577	0.0	292.87E-6	–	–	–
		23.00000	16.00000	117.00000	0.25549	0.0	0.0015069	–	–	–
		24.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	16.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	17.00000	117.00000	0.12626	0.0	0.0	–	–	–
		14.00000	17.00000	117.00000	0.32076	0.0	0.0	–	–	–
		15.00000	17.00000	117.00000	0.50056	0.0	0.0	–	–	–
		16.00000	17.00000	117.00000	0.66098	0.0	0.0	–	–	–
		17.00000	17.00000	117.00000	0.79526	0.0	0.0	–	–	–
		18.00000	17.00000	117.00000	0.89338	0.0	0.0	–	–	–
		19.00000	17.00000	117.00000	0.94018	0.0	0.0	–	–	–

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		20.00000	17.00000	117.00000	0.91247	0.0	0.0	–	–	–
		21.00000	17.00000	117.00000	0.79718	0.0	0.0034558	–	–	–
		22.00000	17.00000	117.00000	0.64427	0.0	0.0090459	–	–	–
		23.00000	17.00000	117.00000	0.40772	0.0	0.0096211	–	–	–
		24.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	17.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	18.00000	117.00000	0.18814	0.0	0.0	–	–	–
		14.00000	18.00000	117.00000	0.40684	0.0	0.0	–	–	–
		15.00000	18.00000	117.00000	0.61511	0.0	0.0	–	–	–
		16.00000	18.00000	117.00000	0.80931	0.0	0.0	–	–	–
		17.00000	18.00000	117.00000	0.98396	0.0	0.0	–	–	–
		18.00000	18.00000	117.00000	1.1304	0.0	0.0	–	–	–
		19.00000	18.00000	117.00000	1.2344	0.0	0.0	–	–	–
		20.00000	18.00000	117.00000	1.2748	0.0	837.54E-6	–	–	–
		21.00000	18.00000	117.00000	1.2999	0.0	0.017184	–	–	–
		22.00000	18.00000	117.00000	1.0565	0.0	0.037259	–	–	–
		23.00000	18.00000	117.00000	0.68777	0.0	0.044612	–	–	–
		24.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	18.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	19.00000	117.00000	0.23733	0.0	0.0	–	–	–
		14.00000	19.00000	117.00000	0.48106	0.0	0.0	–	–	–
		15.00000	19.00000	117.00000	0.71946	0.0	0.0	–	–	–
		16.00000	19.00000	117.00000	0.95057	0.0	0.0	–	–	–
		17.00000	19.00000	117.00000	1.1713	0.0	0.0	–	–	–
		18.00000	19.00000	117.00000	1.3768	0.0	0.0	–	–	–
		19.00000	19.00000	117.00000	1.5581	0.0	0.0	–	–	–
		20.00000	19.00000	117.00000	1.7660	0.0	0.010416	–	–	–
		21.00000	19.00000	117.00000	1.9823	0.0	0.046777	–	–	–
		22.00000	19.00000	117.00000	1.9669	0.0	0.12758	–	–	–
		23.00000	19.00000	117.00000	1.3157	0.0	0.16087	–	–	–
		24.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	19.00000	117.00000	0.0	0.0	0.0	–	–	–

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		40.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	19.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	20.00000	117.00000	0.26800	0.0	0.0	-	-	-
		14.00000	20.00000	117.00000	0.53600	0.0	0.0	-	-	-
		15.00000	20.00000	117.00000	0.80400	0.0	0.0	-	-	-
		16.00000	20.00000	117.00000	1.0720	0.0	0.0	-	-	-
		17.00000	20.00000	117.00000	1.3400	0.0	0.0	-	-	-
		18.00000	20.00000	117.00000	1.6080	0.0	0.0	-	-	-
		19.00000	20.00000	117.00000	1.8760	0.0	0.0	-	-	-
		20.00000	20.00000	117.00000	2.2557	0.0	0.016786	-	-	-
		21.00000	20.00000	117.00000	2.7470	0.0	0.079178	-	-	-
		22.00000	20.00000	117.00000	3.2383	0.0	0.25793	-	-	-
		23.00000	20.00000	117.00000	3.7297	0.0	0.58149	-	-	-
		24.00000	20.00000	117.00000	2.1105	0.0	0.50237	-	-	-
		25.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		26.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		27.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		28.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		29.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		30.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	20.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	21.00000	117.00000	0.40000	0.0	0.0	-	-	-
		14.00000	21.00000	117.00000	0.80000	0.0	0.0	-	-	-
		15.00000	21.00000	117.00000	1.2000	0.0	0.0	-	-	-
		16.00000	21.00000	117.00000	1.6000	0.0	0.0	-	-	-
		17.00000	21.00000	117.00000	2.0000	0.0	0.0	-	-	-
		18.00000	21.00000	117.00000	2.4000	0.0	0.0	-	-	-
		19.00000	21.00000	117.00000	2.8000	0.0	0.0	-	-	-
		20.00000	21.00000	117.00000	3.3667	0.0	0.025054	-	-	-
		21.00000	21.00000	117.00000	4.1000	0.0	0.11818	-	-	-
		22.00000	21.00000	117.00000	4.8333	0.0	0.38497	-	-	-
		23.00000	21.00000	117.00000	5.5667	0.0	0.86790	-	-	-
		24.00000	21.00000	117.00000	6.3000	0.0	1.4996	-	-	-
		25.00000	21.00000	117.00000		Point lies within an excavation.				
		26.00000	21.00000	117.00000		Point lies within an excavation.				
		27.00000	21.00000	117.00000		Point lies within an excavation.				
		28.00000	21.00000	117.00000		Point lies within an excavation.				
		29.00000	21.00000	117.00000		Point lies within an excavation.				
		30.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	21.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-

Oasys

Job No.	Sheet No.	Rev.
J17268		

Drg. Ref.

Made by | Date 07-Dec-2017 | Checked

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		5.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	22.00000	117.00000	0.40000	0.0	0.0	-	-	-
		14.00000	22.00000	117.00000	0.80000	0.0	0.0	-	-	-
		15.00000	22.00000	117.00000	1.2000	0.0	0.0	-	-	-
		16.00000	22.00000	117.00000	1.6000	0.0	0.0	-	-	-
		17.00000	22.00000	117.00000	2.0000	0.0	0.0	-	-	-
		18.00000	22.00000	117.00000	2.4000	0.0	0.0	-	-	-
		19.00000	22.00000	117.00000	2.8000	0.0	0.0	-	-	-
		20.00000	22.00000	117.00000	3.3667	0.0	0.025054	-	-	-
		21.00000	22.00000	117.00000	4.1000	0.0	0.11818	-	-	-
		22.00000	22.00000	117.00000	4.8333	0.0	0.38497	-	-	-
		23.00000	22.00000	117.00000	5.5667	0.0	0.86790	-	-	-
		24.00000	22.00000	117.00000	6.3000	0.0	1.4996	-	-	-
		25.00000	22.00000	117.00000		Point lies within an excavation.				
		26.00000	22.00000	117.00000		Point lies within an excavation.				
		27.00000	22.00000	117.00000		Point lies within an excavation.				
		28.00000	22.00000	117.00000		Point lies within an excavation.				
		29.00000	22.00000	117.00000		Point lies within an excavation.				
		30.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	22.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	23.00000	117.00000	0.26800	0.0	0.0	-	-	-
		14.00000	23.00000	117.00000	0.53600	0.0	0.0	-	-	-
		15.00000	23.00000	117.00000	0.80400	0.0	0.0	-	-	-
		16.00000	23.00000	117.00000	1.0720	0.0	0.0	-	-	-
		17.00000	23.00000	117.00000	1.3400	0.0	0.0	-	-	-
		18.00000	23.00000	117.00000	1.6080	0.0	0.0	-	-	-
		19.00000	23.00000	117.00000	1.8760	0.0	0.0	-	-	-
		20.00000	23.00000	117.00000	2.2557	0.0	0.016786	-	-	-
		21.00000	23.00000	117.00000	2.7470	0.0	0.079178	-	-	-
		22.00000	23.00000	117.00000	3.2383	0.0	0.25793	-	-	-
		23.00000	23.00000	117.00000	3.7297	0.0	0.58149	-	-	-
		24.00000	23.00000	117.00000	2.1105	-2.1105	1.0047	-	-	-
		25.00000	23.00000	117.00000	0.0	-6.3000	1.4996	-	-	-
		26.00000	23.00000	117.00000	0.0	-6.3000	1.4996	-	-	-
		27.00000	23.00000	117.00000	0.0	-6.3000	1.4996	-	-	-
		28.00000	23.00000	117.00000	0.0	-6.3000	1.4996	-	-	-
		29.00000	23.00000	117.00000	0.0	-6.3000	1.4996	-	-	-
		30.00000	23.00000	117.00000	0.0	-2.1105	0.50237	-	-	-
		31.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	23.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	24.00000	117.00000	0.23733	-0.011020	0.0	-	-	-
		14.00000	24.00000	117.00000	0.48106	-0.024747	0.0	-	-	-
		15.00000	24.00000	117.00000	0.71946	-0.041488	0.0	-	-	-
		16.00000	24.00000	117.00000	0.95057	-0.062348	0.0	-	-	-
		17.00000	24.00000	117.00000	1.1713	-0.089050	0.0	-	-	-
		18.00000	24.00000	117.00000	1.3768	-0.12442	0.0	-	-	-
		19.00000	24.00000	117.00000	1.5581	-0.17344	0.0	-	-	-
		20.00000	24.00000	117.00000	1.7660	-0.25549	0.011922	-	-	-
		21.00000	24.00000	117.00000	1.9823	-0.40772	0.056398	-	-	-
		22.00000	24.00000	117.00000	1.9669	-0.68777	0.17219	-	-	-
		23.00000	24.00000	117.00000	1.3157	-1.3157	0.32174	-	-	-
		24.00000	24.00000	117.00000	0.0	-3.7297	0.58149	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		25.00000	24.00000	117.00000	0.0	-5.5667	0.86790	-	-	-
		26.00000	24.00000	117.00000	0.0	-5.5667	0.86790	-	-	-
		27.00000	24.00000	117.00000	0.0	-5.5667	0.86790	-	-	-
		28.00000	24.00000	117.00000	0.0	-5.5667	0.86790	-	-	-
		29.00000	24.00000	117.00000	0.0	-5.5667	0.86790	-	-	-
		30.00000	24.00000	117.00000	0.0	-3.7297	0.58149	-	-	-
		31.00000	24.00000	117.00000	0.0	-1.3157	0.16087	-	-	-
		32.00000	24.00000	117.00000	0.0	-0.68777	0.044612	-	-	-
		33.00000	24.00000	117.00000	0.0	-0.40772	0.0096211	-	-	-
		34.00000	24.00000	117.00000	0.0	-0.25549	0.0015069	-	-	-
		35.00000	24.00000	117.00000	0.0	-0.17344	0.0	-	-	-
		36.00000	24.00000	117.00000	0.0	-0.12442	0.0	-	-	-
		37.00000	24.00000	117.00000	0.0	-0.089050	0.0	-	-	-
		38.00000	24.00000	117.00000	0.0	-0.062348	0.0	-	-	-
		39.00000	24.00000	117.00000	0.0	-0.041488	0.0	-	-	-
		40.00000	24.00000	117.00000	0.0	-0.024747	0.0	-	-	-
		41.00000	24.00000	117.00000	0.0	-0.011020	0.0	-	-	-
		42.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	24.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	25.00000	117.00000	0.18814	-0.018770	0.0	-	-	-
		14.00000	25.00000	117.00000	0.40684	-0.045289	0.0	-	-	-
		15.00000	25.00000	117.00000	0.61511	-0.077413	0.0	-	-	-
		16.00000	25.00000	117.00000	0.80931	-0.11709	0.0	-	-	-
		17.00000	25.00000	117.00000	0.98396	-0.16725	0.0	-	-	-
		18.00000	25.00000	117.00000	1.1304	-0.23250	0.0	-	-	-
		19.00000	25.00000	117.00000	1.2344	-0.32047	0.0	-	-	-
		20.00000	25.00000	117.00000	1.2748	-0.44577	0.0011304	-	-	-
		21.00000	25.00000	117.00000	1.2999	-0.68427	0.026230	-	-	-
		22.00000	25.00000	117.00000	1.0565	-1.0565	0.074519	-	-	-
		23.00000	25.00000	117.00000	0.68777	-1.9669	0.17219	-	-	-
		24.00000	25.00000	117.00000	0.0	-3.2383	0.25793	-	-	-
		25.00000	25.00000	117.00000	0.0	-4.8333	0.38497	-	-	-
		26.00000	25.00000	117.00000	0.0	-4.8333	0.38497	-	-	-
		27.00000	25.00000	117.00000	0.0	-4.8333	0.38497	-	-	-
		28.00000	25.00000	117.00000	0.0	-4.8333	0.38497	-	-	-
		29.00000	25.00000	117.00000	0.0	-4.8333	0.38497	-	-	-
		30.00000	25.00000	117.00000	0.0	-3.2383	0.25793	-	-	-
		31.00000	25.00000	117.00000	0.0	-1.9669	0.12758	-	-	-
		32.00000	25.00000	117.00000	0.0	-1.0565	0.037259	-	-	-
		33.00000	25.00000	117.00000	0.0	-0.68427	0.0090459	-	-	-
		34.00000	25.00000	117.00000	0.0	-0.44577	292.87E-6	-	-	-
		35.00000	25.00000	117.00000	0.0	-0.32047	0.0	-	-	-
		36.00000	25.00000	117.00000	0.0	-0.23250	0.0	-	-	-
		37.00000	25.00000	117.00000	0.0	-0.16725	0.0	-	-	-
		38.00000	25.00000	117.00000	0.0	-0.11709	0.0	-	-	-
		39.00000	25.00000	117.00000	0.0	-0.077413	0.0	-	-	-
		40.00000	25.00000	117.00000	0.0	-0.045289	0.0	-	-	-
		41.00000	25.00000	117.00000	0.0	-0.018770	0.0	-	-	-
		42.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	25.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	26.00000	117.00000	0.12626	-0.020281	0.0	-	-	-
		14.00000	26.00000	117.00000	0.32076	-0.057879	0.0	-	-	-
		15.00000	26.00000	117.00000	0.50056	-0.10296	0.0	-	-	-
		16.00000	26.00000	117.00000	0.66098	-0.15787	0.0	-	-	-
		17.00000	26.00000	117.00000	0.79526	-0.22602	0.0	-	-	-
		18.00000	26.00000	117.00000	0.89338	-0.31239	0.0	-	-	-
		19.00000	26.00000	117.00000	0.94018	-0.42448	0.0	-	-	-
		20.00000	26.00000	117.00000	0.91247	-0.57353	0.0	-	-	-
		21.00000	26.00000	117.00000	0.79718	-0.79718	0.0069115	-	-	-
		22.00000	26.00000	117.00000	0.68427	-1.2999	0.026230	-	-	-
		23.00000	26.00000	117.00000	0.40772	-1.9823	0.056398	-	-	-
		24.00000	26.00000	117.00000	0.0	-2.7470	0.079178	-	-	-
		25.00000	26.00000	117.00000	0.0	-4.1000	0.11818	-	-	-
		26.00000	26.00000	117.00000	0.0	-4.1000	0.11818	-	-	-
		27.00000	26.00000	117.00000	0.0	-4.1000	0.11818	-	-	-
		28.00000	26.00000	117.00000	0.0	-4.1000	0.11818	-	-	-
		29.00000	26.00000	117.00000	0.0	-4.1000	0.11818	-	-	-
		30.00000	26.00000	117.00000	0.0	-2.7470	0.079178	-	-	-
		31.00000	26.00000	117.00000	0.0	-1.9823	0.046777	-	-	-
		32.00000	26.00000	117.00000	0.0	-1.2999	0.017184	-	-	-
		33.00000	26.00000	117.00000	0.0	-0.79718	0.0034558	-	-	-
		34.00000	26.00000	117.00000	0.0	-0.57353	0.0	-	-	-
		35.00000	26.00000	117.00000	0.0	-0.42448	0.0	-	-	-
		36.00000	26.00000	117.00000	0.0	-0.31239	0.0	-	-	-
		37.00000	26.00000	117.00000	0.0	-0.22602	0.0	-	-	-
		38.00000	26.00000	117.00000	0.0	-0.15787	0.0	-	-	-
		39.00000	26.00000	117.00000	0.0	-0.10296	0.0	-	-	-
		40.00000	26.00000	117.00000	0.0	-0.057879	0.0	-	-	-
		41.00000	26.00000	117.00000	0.0	-0.020281	0.0	-	-	-
		42.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		45.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	26.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	27.00000	117.00000	0.057110	-0.013113	0.0	-	-	-
		14.00000	27.00000	117.00000	0.22947	-0.059575	0.0	-	-	-
		15.00000	27.00000	117.00000	0.38407	-0.11455	0.0	-	-	-
		16.00000	27.00000	117.00000	0.51588	-0.18039	0.0	-	-	-
		17.00000	27.00000	117.00000	0.61804	-0.26028	0.0	-	-	-
		18.00000	27.00000	117.00000	0.68109	-0.35853	0.0	-	-	-
		19.00000	27.00000	117.00000	0.69217	-0.48083	0.0	-	-	-
		20.00000	27.00000	117.00000	0.63431	-0.63431	0.0	-	-	-
		21.00000	27.00000	117.00000	0.57353	-0.91247	0.0	-	-	-
		22.00000	27.00000	117.00000	0.44577	-1.2748	0.0011304	-	-	-
		23.00000	27.00000	117.00000	0.25549	-1.7660	0.011922	-	-	-
		24.00000	27.00000	117.00000	0.0	-2.2557	0.016786	-	-	-
		25.00000	27.00000	117.00000	0.0	-3.3667	0.025054	-	-	-
		26.00000	27.00000	117.00000	0.0	-3.3667	0.025054	-	-	-
		27.00000	27.00000	117.00000	0.0	-3.3667	0.025054	-	-	-
		28.00000	27.00000	117.00000	0.0	-3.3667	0.025054	-	-	-
		29.00000	27.00000	117.00000	0.0	-3.3667	0.025054	-	-	-
		30.00000	27.00000	117.00000	0.0	-2.2557	0.016786	-	-	-
		31.00000	27.00000	117.00000	0.0	-1.7660	0.010416	-	-	-
		32.00000	27.00000	117.00000	0.0	-1.2748	837.54E-6	-	-	-
		33.00000	27.00000	117.00000	0.0	-0.91247	0.0	-	-	-
		34.00000	27.00000	117.00000	0.0	-0.63431	0.0	-	-	-
		35.00000	27.00000	117.00000	0.0	-0.48083	0.0	-	-	-
		36.00000	27.00000	117.00000	0.0	-0.35853	0.0	-	-	-
		37.00000	27.00000	117.00000	0.0	-0.26028	0.0	-	-	-
		38.00000	27.00000	117.00000	0.0	-0.18039	0.0	-	-	-
		39.00000	27.00000	117.00000	0.0	-0.11455	0.0	-	-	-
		40.00000	27.00000	117.00000	0.0	-0.059575	0.0	-	-	-
		41.00000	27.00000	117.00000	0.0	-0.013113	0.0	-	-	-
		42.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	27.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	28.00000	117.00000	0.13838	-0.048387	0.0	-	-	-
		15.00000	28.00000	117.00000	0.27190	-0.11004	0.0	-	-	-
		16.00000	28.00000	117.00000	0.38109	-0.18250	0.0	-	-	-
		17.00000	28.00000	117.00000	0.45979	-0.26832	0.0	-	-	-
		18.00000	28.00000	117.00000	0.50022	-0.37061	0.0	-	-	-
		19.00000	28.00000	117.00000	0.49289	-0.49289	0.0	-	-	-
		20.00000	28.00000	117.00000	0.48083	-0.69217	0.0	-	-	-
		21.00000	28.00000	117.00000	0.42448	-0.94018	0.0	-	-	-
		22.00000	28.00000	117.00000	0.32047	-1.2344	0.0	-	-	-
		23.00000	28.00000	117.00000	0.17344	-1.5581	0.0	-	-	-
		24.00000	28.00000	117.00000	0.0	-1.8760	0.0	-	-	-
		25.00000	28.00000	117.00000	0.0	-2.8000	0.0	-	-	-
		26.00000	28.00000	117.00000	0.0	-2.8000	0.0	-	-	-
		27.00000	28.00000	117.00000	0.0	-2.8000	0.0	-	-	-
		28.00000	28.00000	117.00000	0.0	-2.8000	0.0	-	-	-
		29.00000	28.00000	117.00000	0.0	-2.8000	0.0	-	-	-
		30.00000	28.00000	117.00000	0.0	-1.8760	0.0	-	-	-
		31.00000	28.00000	117.00000	0.0	-1.5581	0.0	-	-	-
		32.00000	28.00000	117.00000	0.0	-1.2344	0.0	-	-	-
		33.00000	28.00000	117.00000	0.0	-0.94018	0.0	-	-	-
		34.00000	28.00000	117.00000	0.0	-0.69217	0.0	-	-	-
		35.00000	28.00000	117.00000	0.0	-0.49289	0.0	-	-	-
		36.00000	28.00000	117.00000	0.0	-0.37061	0.0	-	-	-
		37.00000	28.00000	117.00000	0.0	-0.26832	0.0	-	-	-
		38.00000	28.00000	117.00000	0.0	-0.18250	0.0	-	-	-
		39.00000	28.00000	117.00000	0.0	-0.11004	0.0	-	-	-
		40.00000	28.00000	117.00000	0.0	-0.048387	0.0	-	-	-
		41.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	28.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		10.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	29.00000	117.00000	0.051527	-0.023264	0.0	-	-	-
		15.00000	29.00000	117.00000	0.16830	-0.088593	0.0	-	-	-
		16.00000	29.00000	117.00000	0.26070	-0.16387	0.0	-	-	-
		17.00000	29.00000	117.00000	0.32371	-0.25087	0.0	-	-	-
		18.00000	29.00000	117.00000	0.35147	-0.35147	0.0	-	-	-
		19.00000	29.00000	117.00000	0.37061	-0.50022	0.0	-	-	-
		20.00000	29.00000	117.00000	0.35853	-0.68109	0.0	-	-	-
		21.00000	29.00000	117.00000	0.31239	-0.89338	0.0	-	-	-
		22.00000	29.00000	117.00000	0.23250	-1.1304	0.0	-	-	-
		23.00000	29.00000	117.00000	0.12442	-1.3768	0.0	-	-	-
		24.00000	29.00000	117.00000	0.0	-1.6080	0.0	-	-	-
		25.00000	29.00000	117.00000	0.0	-2.4000	0.0	-	-	-
		26.00000	29.00000	117.00000	0.0	-2.4000	0.0	-	-	-
		27.00000	29.00000	117.00000	0.0	-2.4000	0.0	-	-	-
		28.00000	29.00000	117.00000	0.0	-2.4000	0.0	-	-	-
		29.00000	29.00000	117.00000	0.0	-2.4000	0.0	-	-	-
		30.00000	29.00000	117.00000	0.0	-1.6080	0.0	-	-	-
		31.00000	29.00000	117.00000	0.0	-1.3768	0.0	-	-	-
		32.00000	29.00000	117.00000	0.0	-1.1304	0.0	-	-	-
		33.00000	29.00000	117.00000	0.0	-0.89338	0.0	-	-	-
		34.00000	29.00000	117.00000	0.0	-0.68109	0.0	-	-	-
		35.00000	29.00000	117.00000	0.0	-0.50022	0.0	-	-	-
		36.00000	29.00000	117.00000	0.0	-0.35147	0.0	-	-	-
		37.00000	29.00000	117.00000	0.0	-0.25087	0.0	-	-	-
		38.00000	29.00000	117.00000	0.0	-0.16387	0.0	-	-	-
		39.00000	29.00000	117.00000	0.0	-0.088593	0.0	-	-	-
		40.00000	29.00000	117.00000	0.0	-0.023264	0.0	-	-	-
		41.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	29.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	30.00000	117.00000	0.075738	-0.050352	0.0	-	-	-
		16.00000	30.00000	117.00000	0.15649	-0.12537	0.0	-	-	-
		17.00000	30.00000	117.00000	0.21005	-0.21005	0.0	-	-	-
		18.00000	30.00000	117.00000	0.25087	-0.32371	0.0	-	-	-
		19.00000	30.00000	117.00000	0.26832	-0.45979	0.0	-	-	-
		20.00000	30.00000	117.00000	0.26028	-0.61804	0.0	-	-	-
		21.00000	30.00000	117.00000	0.22602	-0.79526	0.0	-	-	-
		22.00000	30.00000	117.00000	0.16725	-0.98396	0.0	-	-	-
		23.00000	30.00000	117.00000	0.089050	-1.1713	0.0	-	-	-
		24.00000	30.00000	117.00000	0.0	-1.3400	0.0	-	-	-
		25.00000	30.00000	117.00000	0.0	-2.0000	0.0	-	-	-
		26.00000	30.00000	117.00000	0.0	-2.0000	0.0	-	-	-
		27.00000	30.00000	117.00000	0.0	-2.0000	0.0	-	-	-
		28.00000	30.00000	117.00000	0.0	-2.0000	0.0	-	-	-
		29.00000	30.00000	117.00000	0.0	-2.0000	0.0	-	-	-
		30.00000	30.00000	117.00000	0.0	-1.3400	0.0	-	-	-
		31.00000	30.00000	117.00000	0.0	-1.1713	0.0	-	-	-
		32.00000	30.00000	117.00000	0.0	-0.98396	0.0	-	-	-
		33.00000	30.00000	117.00000	0.0	-0.79526	0.0	-	-	-
		34.00000	30.00000	117.00000	0.0	-0.61804	0.0	-	-	-
		35.00000	30.00000	117.00000	0.0	-0.45979	0.0	-	-	-
		36.00000	30.00000	117.00000	0.0	-0.32371	0.0	-	-	-
		37.00000	30.00000	117.00000	0.0	-0.21005	0.0	-	-	-
		38.00000	30.00000	117.00000	0.0	-0.12537	0.0	-	-	-
		39.00000	30.00000	117.00000	0.0	-0.050352	0.0	-	-	-
		40.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	30.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	31.00000	117.00000	0.068629	-0.068629	0.0	-	-	-
		17.00000	31.00000	117.00000	0.12537	-0.15649	0.0	-	-	-
		18.00000	31.00000	117.00000	0.16387	-0.26070	0.0	-	-	-
		19.00000	31.00000	117.00000	0.18250	-0.38109	0.0	-	-	-
		20.00000	31.00000	117.00000	0.18039	-0.51588	0.0	-	-	-
		21.00000	31.00000	117.00000	0.15787	-0.66098	0.0	-	-	-
		22.00000	31.00000	117.00000	0.11709	-0.80931	0.0	-	-	-
		23.00000	31.00000	117.00000	0.062348	-0.95057	0.0	-	-	-
		24.00000	31.00000	117.00000	0.0	-1.0720	0.0	-	-	-
		25.00000	31.00000	117.00000	0.0	-1.6000	0.0	-	-	-
		26.00000	31.00000	117.00000	0.0	-1.6000	0.0	-	-	-
		27.00000	31.00000	117.00000	0.0	-1.6000	0.0	-	-	-
		28.00000	31.00000	117.00000	0.0	-1.6000	0.0	-	-	-
		29.00000	31.00000	117.00000	0.0	-1.6000	0.0	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		30.00000	31.00000	117.00000	0.0	-1.0720	0.0	-	-	-
		31.00000	31.00000	117.00000	0.0	-0.95057	0.0	-	-	-
		32.00000	31.00000	117.00000	0.0	-0.80931	0.0	-	-	-
		33.00000	31.00000	117.00000	0.0	-0.66098	0.0	-	-	-
		34.00000	31.00000	117.00000	0.0	-0.51588	0.0	-	-	-
		35.00000	31.00000	117.00000	0.0	-0.38109	0.0	-	-	-
		36.00000	31.00000	117.00000	0.0	-0.26070	0.0	-	-	-
		37.00000	31.00000	117.00000	0.0	-0.15649	0.0	-	-	-
		38.00000	31.00000	117.00000	0.0	-0.068629	0.0	-	-	-
		39.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	31.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	32.00000	117.00000	0.050352	-0.075738	0.0	-	-	-
		18.00000	32.00000	117.00000	0.088593	-0.16830	0.0	-	-	-
		19.00000	32.00000	117.00000	0.11004	-0.27190	0.0	-	-	-
		20.00000	32.00000	117.00000	0.11455	-0.38407	0.0	-	-	-
		21.00000	32.00000	117.00000	0.10296	-0.50056	0.0	-	-	-
		22.00000	32.00000	117.00000	0.077413	-0.61511	0.0	-	-	-
		23.00000	32.00000	117.00000	0.041488	-0.71946	0.0	-	-	-
		24.00000	32.00000	117.00000	0.0	-0.80400	0.0	-	-	-
		25.00000	32.00000	117.00000	0.0	-1.2000	0.0	-	-	-
		26.00000	32.00000	117.00000	0.0	-1.2000	0.0	-	-	-
		27.00000	32.00000	117.00000	0.0	-1.2000	0.0	-	-	-
		28.00000	32.00000	117.00000	0.0	-1.2000	0.0	-	-	-
		29.00000	32.00000	117.00000	0.0	-1.2000	0.0	-	-	-
		30.00000	32.00000	117.00000	0.0	-0.80400	0.0	-	-	-
		31.00000	32.00000	117.00000	0.0	-0.71946	0.0	-	-	-
		32.00000	32.00000	117.00000	0.0	-0.61511	0.0	-	-	-
		33.00000	32.00000	117.00000	0.0	-0.50056	0.0	-	-	-
		34.00000	32.00000	117.00000	0.0	-0.38407	0.0	-	-	-
		35.00000	32.00000	117.00000	0.0	-0.27190	0.0	-	-	-
		36.00000	32.00000	117.00000	0.0	-0.16830	0.0	-	-	-
		37.00000	32.00000	117.00000	0.0	-0.075738	0.0	-	-	-
		38.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	32.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		18.00000	33.00000	117.00000	0.023264	-0.051527	0.0	-	-	-
		19.00000	33.00000	117.00000	0.048387	-0.13838	0.0	-	-	-
		20.00000	33.00000	117.00000	0.059575	-0.22947	0.0	-	-	-
		21.00000	33.00000	117.00000	0.057879	-0.32076	0.0	-	-	-
		22.00000	33.00000	117.00000	0.045289	-0.40684	0.0	-	-	-
		23.00000	33.00000	117.00000	0.024747	-0.48106	0.0	-	-	-
		24.00000	33.00000	117.00000	0.0	-0.53600	0.0	-	-	-
		25.00000	33.00000	117.00000	0.0	-0.80000	0.0	-	-	-
		26.00000	33.00000	117.00000	0.0	-0.80000	0.0	-	-	-
		27.00000	33.00000	117.00000	0.0	-0.80000	0.0	-	-	-
		28.00000	33.00000	117.00000	0.0	-0.80000	0.0	-	-	-
		29.00000	33.00000	117.00000	0.0	-0.80000	0.0	-	-	-
		30.00000	33.00000	117.00000	0.0	-0.53600	0.0	-	-	-
		31.00000	33.00000	117.00000	0.0	-0.48106	0.0	-	-	-
		32.00000	33.00000	117.00000	0.0	-0.40684	0.0	-	-	-
		33.00000	33.00000	117.00000	0.0	-0.32076	0.0	-	-	-
		34.00000	33.00000	117.00000	0.0	-0.22947	0.0	-	-	-
		35.00000	33.00000	117.00000	0.0	-0.13838	0.0	-	-	-
		36.00000	33.00000	117.00000	0.0	-0.051527	0.0	-	-	-
		37.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	33.00000	117.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		50.00000	33.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	34.00000	117.00000	0.013113	-0.057110	0.0	–	–	–
		21.00000	34.00000	117.00000	0.020281	-0.12626	0.0	–	–	–
		22.00000	34.00000	117.00000	0.018770	-0.18814	0.0	–	–	–
		23.00000	34.00000	117.00000	0.011020	-0.23733	0.0	–	–	–
		24.00000	34.00000	117.00000	0.0	-0.26800	0.0	–	–	–
		25.00000	34.00000	117.00000	0.0	-0.40000	0.0	–	–	–
		26.00000	34.00000	117.00000	0.0	-0.40000	0.0	–	–	–
		27.00000	34.00000	117.00000	0.0	-0.40000	0.0	–	–	–
		28.00000	34.00000	117.00000	0.0	-0.40000	0.0	–	–	–
		29.00000	34.00000	117.00000	0.0	-0.40000	0.0	–	–	–
		30.00000	34.00000	117.00000	0.0	-0.26800	0.0	–	–	–
		31.00000	34.00000	117.00000	0.0	-0.23733	0.0	–	–	–
		32.00000	34.00000	117.00000	0.0	-0.18814	0.0	–	–	–
		33.00000	34.00000	117.00000	0.0	-0.12626	0.0	–	–	–
		34.00000	34.00000	117.00000	0.0	-0.057110	0.0	–	–	–
		35.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	34.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	35.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		15.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	36.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		35.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		36.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		37.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		38.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		39.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		40.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		41.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		42.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		43.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		44.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		45.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		46.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		47.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		48.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		49.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		50.00000	37.00000	117.00000	0.0	0.0	0.0	–	–	–
		-4.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		-3.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		-2.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		-1.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		0.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		1.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		2.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		3.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		4.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		5.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		6.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		7.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		8.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		9.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		10.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		11.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		12.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		13.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		14.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		15.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		16.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		17.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		18.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		19.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		20.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		21.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		22.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		23.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		24.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		25.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		26.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		27.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		28.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		29.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		30.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		31.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		32.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		33.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–
		34.00000	38.00000	117.00000	0.0	0.0	0.0	–	–	–

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
		35.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	38.00000	117.00000	0.0	0.0	0.0	-	-	-
		-4.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		-3.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		-2.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		-1.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		0.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		1.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		2.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		3.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		4.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		5.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		6.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		7.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		8.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		9.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		10.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		11.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		12.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		13.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		14.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		15.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		16.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		17.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		18.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		19.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		20.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		21.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		22.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		23.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		24.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		25.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		26.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		27.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		28.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		29.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		30.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		31.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		32.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		33.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		34.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	39.00000	117.00000	0.0	0.0	0.0	-	-	-
		35.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		36.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		37.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		38.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		39.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		40.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		41.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		42.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		43.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		44.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		45.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		46.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		47.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		48.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		49.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-
		50.00000	40.00000	117.00000	0.0	0.0	0.0	-	-	-

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	**Date** 07-Dec-2017	**Checked**

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis

Structure: Existing School | Sub-structure: Sub 1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	0.05000	0.00000	113.50000	0.0	0.0	0.0	0.0 d
1.9875	2.03750	0.00000	113.50000	0.0	0.0	0.0	0.0 d
3.9750	4.02500	0.00000	113.50000	0.0	0.0	0.0	0.0 d
5.9625	6.01250	0.00000	113.50000	0.0	0.0	0.0	0.0 d
7.9500	8.00000	0.00000	113.50000	0.0	0.0	0.0	0.0 d
9.9375	9.98750	0.00000	113.50000	0.0	0.0	0.0	0.0 d
11.925	11.97500	0.00000	113.50000	0.0	0.0	0.0	0.0 d
13.912	13.96250	0.00000	113.50000	0.0	0.0	0.0	0.0 d
15.900	15.95000	0.00000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	16.00000	0.00000	113.50000	0.0	0.0	0.0	0.0 d
1.0000	16.00000	1.00000	113.50000	0.0	0.0	0.0	0.0 d
2.0000	16.00000	2.00000	113.50000	0.0	0.0	0.0	0.0 d
3.0000	16.00000	3.00000	113.50000	0.0	0.0	0.0	0.0 d
4.0000	16.00000	4.00000	113.50000	0.0	0.0	0.0	0.0 d
5.0000	16.00000	5.00000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	8.00000	0.10000	113.50000	0.0	0.0	0.0	0.0 d
0.98000	8.00000	1.08000	113.50000	0.0	0.0	0.0	0.0 d
1.9600	8.00000	2.06000	113.50000	0.0	0.0	0.0	0.0 d
2.9400	8.00000	3.04000	113.50000	0.0	0.0	0.0	0.0 d
3.9200	8.00000	4.02000	113.50000	0.0	0.0	0.0	0.0 d
4.9000	8.00000	5.00000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	8.05000	5.00000	113.50000	0.0	0.0	0.0	0.0 d
0.98750	9.03750	5.00000	113.50000	0.0	0.0	0.0	0.0 d
1.9750	10.02500	5.00000	113.50000	0.0	0.0	0.0	0.0 d
2.9625	11.01250	5.00000	113.50000	0.0	0.0	0.0	0.0 d
3.9500	12.00000	5.00000	113.50000	0.0	0.0	0.0	0.0 d
4.9375	12.98750	5.00000	113.50000	0.0	0.0	0.0	0.0 d
5.9250	13.97500	5.00000	113.50000	0.0	0.0	0.0	0.0 d
6.9125	14.96250	5.00000	113.50000	0.0	0.0	0.0	0.0 d
7.9000	15.95000	5.00000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	16.05000	5.00000	113.50000	0.0	0.0	0.0	0.0 d
1.4151	17.25000	5.75000	113.50000	0.0	0.0	0.0	0.0 d
2.8302	18.45000	6.50000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	18.50000	6.55000	113.50000	0.0	0.0	0.0	0.0 d
1.0800	18.50000	7.63000	113.50000	0.0	0.0	0.0	0.0 d
2.1600	18.50000	8.71000	113.50000	0.0	0.0	0.0	0.0 d
3.2400	18.50000	9.79000	113.50000	0.0	0.0	0.0	0.0 d
4.3200	18.50000	10.87000	113.50000	0.0	0.0	0.0	0.0 d
5.4000	18.50000	11.95000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 7

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	6.55000	12.00000	113.50000	0.0	0.0	0.0	0.0 d
1.9833	8.53333	12.00000	113.50000	0.0	0.0	0.0	0.0 d
3.9667	10.51667	12.00000	113.50000	0.0	0.0	0.0	0.0 d
5.9500	12.50000	12.00000	113.50000	0.0	0.0	0.0	0.0 d
7.9333	14.48333	12.00000	113.50000	0.0	0.0	0.0	0.0 d
9.9167	16.46667	12.00000	113.50000	0.0	0.0	0.0	0.0 d
11.900	18.45000	12.00000	113.50000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 8

Dist.	Coordinates			Displacements

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	6.50000	6.55000	113.50000	0.0	0.0	0.0	0.0	d
1.0900	6.50000	7.64000	113.50000	0.0	0.0	0.0	0.0	d
2.1800	6.50000	8.73000	113.50000	0.0	0.0	0.0	0.0	d
3.2700	6.50000	9.82000	113.50000	0.0	0.0	0.0	0.0	d
4.3600	6.50000	10.91000	113.50000	0.0	0.0	0.0	0.0	d
5.4500	6.50000	12.00000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 9

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	4.00000	9.00000	113.50000	0.0	0.0	0.0	0.0	d
1.2250	5.22500	9.00000	113.50000	0.0	0.0	0.0	0.0	d
2.4500	6.45000	9.00000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 10

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	4.00000	6.55000	113.50000	0.0	0.0	0.0	0.0	d
1.2000	4.00000	7.75000	113.50000	0.0	0.0	0.0	0.0	d
2.4000	4.00000	8.95000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 11

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	4.00000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
2.3000	6.30000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
4.6000	8.60000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
6.9000	10.90000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
9.2000	13.20000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
11.500	15.50000	6.50000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 12

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	15.50000	6.55000	113.50000	0.0	0.0	0.0	0.0	d
1.0800	15.50000	7.63000	113.50000	0.0	0.0	0.0	0.0	d
2.1600	15.50000	8.71000	113.50000	0.0	0.0	0.0	0.0	d
3.2400	15.50000	9.79000	113.50000	0.0	0.0	0.0	0.0	d
4.3200	15.50000	10.87000	113.50000	0.0	0.0	0.0	0.0	d
5.4000	15.50000	11.95000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 13

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	0.05000	8.00000	113.50000	0.0	0.0	0.0	0.0	d
0.97500	1.02500	8.00000	113.50000	0.0	0.0	0.0	0.0	d
1.9500	2.00000	8.00000	113.50000	0.0	0.0	0.0	0.0	d
2.9250	2.97500	8.00000	113.50000	0.0	0.0	0.0	0.0	d
3.9000	3.95000	8.00000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 14

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	0.00000	0.00000	113.50000	0.0	0.0	0.0	0.0	d
1.0000	0.00000	1.00000	113.50000	0.0	0.0	0.0	0.0	d
2.0000	0.00000	2.00000	113.50000	0.0	0.0	0.0	0.0	d
3.0000	0.00000	3.00000	113.50000	0.0	0.0	0.0	0.0	d
4.0000	0.00000	4.00000	113.50000	0.0	0.0	0.0	0.0	d
5.0000	0.00000	5.00000	113.50000	0.0	0.0	0.0	0.0	d
6.0000	0.00000	6.00000	113.50000	0.0	0.0	0.0	0.0	d
7.0000	0.00000	7.00000	113.50000	0.0	0.0	0.0	0.0	d
8.0000	0.00000	8.00000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 15

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	18.50000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
1.7614	19.95000	5.50000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 16

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
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Made by	**Date** 07-Dec-2017	**Checked**

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	20.00000	5.50000	113.50000	0.0	0.0	0.0	0.0	d
0.98333	20.98333	5.50000	113.50000	0.0	0.0	0.0	0.0	d
1.9667	21.96667	5.50000	113.50000	0.0	0.0	0.0	0.0	d
2.9500	22.95000	5.50000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 17

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	23.00000	5.50000	113.50000	0.0	0.0	0.0	0.0	d
1.3793	24.00000	6.45000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 18

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.00000	6.50000	113.50000	0.0	0.0	0.0	0.0	d
1.1500	24.00000	7.65000	113.50000	0.0	0.0	0.0	0.0	d
2.3000	24.00000	8.80000	113.50000	0.0	0.0	0.0	0.0	d
3.4500	24.00000	9.95000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 19

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	18.55000	10.00000	113.50000	0.0	0.0	0.0	0.0	d
1.0900	19.64000	10.00000	113.50000	0.0	0.0	0.0	0.0	d
2.1800	20.73000	10.00000	113.50000	0.0	0.0	0.0	0.0	d
3.2700	21.82000	10.00000	113.50000	0.0	0.0	0.0	0.0	d
4.3600	22.91000	10.00000	113.50000	0.0	0.0	0.0	0.0	d
5.4500	24.00000	10.00000	113.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 20

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	11.00000	12.05000	116.00000	0.0	0.0	0.0	0.0	d
0.96667	11.00000	13.01667	116.00000	0.0	0.0	0.0	0.0	d
1.9333	11.00000	13.98333	116.00000	0.0	0.0	0.0	0.0	d
2.9000	11.00000	14.95000	116.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 21

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	11.00000	15.00000	114.00000	0.0	0.0	0.0	0.0	d
1.4142	10.00000	16.00000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 22

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	10.00000	16.00000	114.00000	0.0	0.0	0.0	0.0	d
1.0000	9.00000	16.00000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 23

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	9.00000	16.00000	114.00000	0.0	0.0	0.0	0.0	d
1.5000	9.00000	17.50000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 24

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	9.00000	17.50000	114.00000	0.0	0.0	0.0	0.0	d
1.0000	10.00000	17.50000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 25

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	10.00000	17.50000	114.00000	0.0	0.0	0.0	0.0	d
1.4142	11.00000	18.50000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 26

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	11.00000	18.50000	114.00000	0.0	0.0	0.0	0.0	d
1.5000	11.00000	20.00000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 27

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	11.05000	20.00000	114.00000	0.0	0.0	0.0	0.0	d
0.98333	12.03333	20.00000	114.00000	0.0	0.0	0.0	0.0	d
1.9667	13.01667	20.00000	114.00000	0.0	0.0	0.0	0.0	d
2.9500	14.00000	20.00000	114.00000	0.0	0.0	0.0	0.0	d
3.9333	14.98333	20.00000	114.00000	0.0	0.0	0.0	0.0	d
4.9167	15.96667	20.00000	114.00000	0.0	0.0	0.0	0.0	d
5.9000	16.95000	20.00000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 28

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	17.00000	15.00000	114.00000	0.0	0.0	0.0	0.0	d
1.0000	17.00000	16.00000	114.00000	0.0	0.0	0.0	0.0	d
2.0000	17.00000	17.00000	114.00000	0.0	0.0	0.0	0.0	d
3.0000	17.00000	18.00000	114.00000	0.0	0.0	0.0	0.0	d
4.0000	17.00000	19.00000	114.00000	0.0	0.0	0.0	0.0	d
5.0000	17.00000	20.00000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 29

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	11.05000	15.00000	114.00000	0.0	0.0	0.0	0.0	d
0.98333	12.03333	15.00000	114.00000	0.0	0.0	0.0	0.0	d
1.9667	13.01667	15.00000	114.00000	0.0	0.0	0.0	0.0	d
2.9500	14.00000	15.00000	114.00000	0.0	0.0	0.0	0.0	d
3.9333	14.98333	15.00000	114.00000	0.0	0.0	0.0	0.0	d
4.9167	15.96667	15.00000	114.00000	0.0	0.0	0.0	0.0	d
5.9000	16.95000	15.00000	114.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 30

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	17.05000	20.00000	116.00000	1.3534	0.0	1.3534	0.0	d
0.98571	18.03571	20.00000	116.00000	1.6176	0.0	1.6176	0.0	d
1.9714	19.02143	20.00000	116.00000	1.8817	0.0	1.8817	0.0	d
2.9571	20.00714	20.00000	116.00000	2.2592	0.0	2.2592	0.0	d
3.9429	20.99286	20.00000	116.00000	2.7435	0.0	2.7435	0.0	d
4.9286	21.97857	20.00000	116.00000	3.2278	0.0	3.2278	0.0	d
5.9143	22.96429	20.00000	116.00000	3.7121	0.0	3.7121	0.0	d
6.9000	23.95000	20.00000	116.00000	4.1964	0.0	4.1964	0.0	d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 31

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.00000	10.05000	116.00000	0.0	0.0	0.0	0.0	d
1.9900	24.00000	12.04000	116.00000	0.0	0.0	0.0	0.0	d
3.9800	24.00000	14.03000	116.00000	0.0	0.0	0.0	0.0	d
5.9700	24.00000	16.02000	116.00000	0.0	0.0	0.0	0.0	d
7.9600	24.00000	18.01000	116.00000	0.0	0.0	0.0	0.0	d
9.9500	24.00000	20.00000	116.00000	2.1105	0.0	0.0	-2.1105	d

d - Displacements include imported displacements.

Structure: Boundary Wall | Sub-structure: Sub 32

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	14.00000	22.00000	114.50000	0.80000	0.0	0.79511	-0.088345	d
2.0123	16.00000	22.22222	114.50000	1.6000	0.0	1.5902	-0.17669	d
4.0246	18.00000	22.44444	114.50000	2.4000	0.0	2.3853	-0.26504	d
6.0369	20.00000	22.66667	114.50000	3.3667	0.0	3.3461	-0.37179	d
8.0492	22.00000	22.88889	114.50000	4.8333	0.0	4.8038	-0.53375	d
10.062	24.00000	23.11111	114.50000	0.0	-4.1664	-0.46010	-4.1409	d

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Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
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Drg. Ref.		
Made by	Date 07-Dec-2017	Checked

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
12.074	26.00000	23.33333	114.50000	0.0	-6.0556	-0.66872	-6.0185	d
14.086	28.00000	23.55556	114.50000	0.0	-5.8926	-0.65073	-5.8566	d
16.098	30.00000	23.77778	114.50000	0.0	-3.8389	-0.42393	-3.8154	d
18.111	32.00000	24.00000	114.50000	0.0	-0.68777	-0.075952	-0.68357	d
20.123	34.00000	24.22222	114.50000	0.0	-0.30515	-0.033699	-0.30329	d
22.135	36.00000	24.44444	114.50000	0.0	-0.17532	-0.019361	-0.17425	d
24.148	38.00000	24.66667	114.50000	0.0	-0.10012	-0.011056	-0.099503	d
26.160	40.00000	24.88889	114.50000	0.0	-0.043337	-0.0047857	-0.043072	d
28.172	42.00000	25.11111	114.50000	0.0	0.0	0.0	0.0	d
30.185	44.00000	25.33333	114.50000	0.0	0.0	0.0	0.0	d
32.197	46.00000	25.55556	114.50000	0.0	0.0	0.0	0.0	d
34.209	48.00000	25.77778	114.50000	0.0	0.0	0.0	0.0	d
36.222	50.00000	26.00000	114.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Boundary Wall | Sub-structure: Sub 33

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	-4.00000	20.00000	114.50000	0.0	0.0	0.0	0.0	d
2.0119	-2.00000	20.21875	114.50000	0.0	0.0	0.0	0.0	d
4.0239	0.00000	20.43750	114.50000	0.0	0.0	0.0	0.0	d
6.0358	2.00000	20.65625	114.50000	0.0	0.0	0.0	0.0	d
8.0477	4.00000	20.87500	114.50000	0.0	0.0	0.0	0.0	d
10.060	6.00000	21.09375	114.50000	0.0	0.0	0.0	0.0	d
12.072	8.00000	21.31250	114.50000	0.0	0.0	0.0	0.0	d
14.083	10.00000	21.53125	114.50000	0.0	0.0	0.0	0.0	d
16.095	12.00000	21.75000	114.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Boundary Wall | Sub-structure: Sub 34

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	-14.00000	18.75000	114.50000	0.0	0.0	0.0	0.0	d
1.0078	-13.00000	18.87500	114.50000	0.0	0.0	0.0	0.0	d
2.0156	-12.00000	19.00000	114.50000	0.0	0.0	0.0	0.0	d
3.0233	-11.00000	19.12500	114.50000	0.0	0.0	0.0	0.0	d
4.0311	-10.00000	19.25000	114.50000	0.0	0.0	0.0	0.0	d
5.0389	-9.00000	19.37500	114.50000	0.0	0.0	0.0	0.0	d
6.0467	-8.00000	19.50000	114.50000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 35

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	-14.00000	18.00000	116.00000	0.0	0.0	0.0	0.0	d
1.0050	-13.00000	18.10000	116.00000	0.0	0.0	0.0	0.0	d
2.0100	-12.00000	18.20000	116.00000	0.0	0.0	0.0	0.0	d
3.0150	-11.00000	18.30000	116.00000	0.0	0.0	0.0	0.0	d
4.0200	-10.00000	18.40000	116.00000	0.0	0.0	0.0	0.0	d
5.0249	-9.00000	18.50000	116.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 36

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	-9.00000	18.50000	116.00000	0.0	0.0	0.0	0.0	d
2.0156	-8.75000	16.50000	116.00000	0.0	0.0	0.0	0.0	d
4.0311	-8.50000	14.50000	116.00000	0.0	0.0	0.0	0.0	d
6.0467	-8.25000	12.50000	116.00000	0.0	0.0	0.0	0.0	d
8.0623	-8.00000	10.50000	116.00000	0.0	0.0	0.0	0.0	d
10.078	-7.75000	8.50000	116.00000	0.0	0.0	0.0	0.0	d
12.093	-7.50000	6.50000	116.00000	0.0	0.0	0.0	0.0	d
14.109	-7.25000	4.50000	116.00000	0.0	0.0	0.0	0.0	d
16.125	-7.00000	2.50000	116.00000	0.0	0.0	0.0	0.0	d
18.140	-6.75000	0.50000	116.00000	0.0	0.0	0.0	0.0	d
20.156	-6.50000	-1.50000	116.00000	0.0	0.0	0.0	0.0	d
22.171	-6.25000	-3.50000	116.00000	0.0	0.0	0.0	0.0	d
24.187	-6.00000	-5.50000	116.00000	0.0	0.0	0.0	0.0	d
26.202	-5.75000	-7.50000	116.00000	0.0	0.0	0.0	0.0	d
28.218	-5.50000	-9.50000	116.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 37

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	-10.50000	-9.99500	116.00000	0.0	0.0	0.0	0.0	d
1.0049	-9.50000	-9.89660	116.00000	0.0	0.0	0.0	0.0	d
2.0098	-8.50000	-9.79700	116.00000	0.0	0.0	0.0	0.0	d
3.0147	-7.50000	-9.69800	116.00000	0.0	0.0	0.0	0.0	d
4.0196	-6.50000	-9.59900	116.00000	0.0	0.0	0.0	0.0	d
5.0244	-5.50000	-9.50000	116.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 38

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	-14.00000	18.00000	116.00000	0.0	0.0	0.0	0.0	d
2.0152	-13.75000	16.00036	116.00000	0.0	0.0	0.0	0.0	d
4.0304	-13.50000	14.00071	116.00000	0.0	0.0	0.0	0.0	d
6.0456	-13.25000	12.00107	116.00000	0.0	0.0	0.0	0.0	d
8.0608	-13.00000	10.00143	116.00000	0.0	0.0	0.0	0.0	d
10.076	-12.75000	8.00179	116.00000	0.0	0.0	0.0	0.0	d

Dist.	Coordinates x	y	z	x	y	Displacements Horizontal displacement along the	Horizontal displacement perpendicular
12.091	-12.50000	6.00214	116.00000	0.0	0.0	0.0	0.0 d
14.106	-12.25000	4.00250	116.00000	0.0	0.0	0.0	0.0 d
16.122	-12.00000	2.00286	116.00000	0.0	0.0	0.0	0.0 d
18.137	-11.75000	0.00321	116.00000	0.0	0.0	0.0	0.0 d
20.152	-11.50000	-1.99643	116.00000	0.0	0.0	0.0	0.0 d
22.167	-11.25000	-3.99607	116.00000	0.0	0.0	0.0	0.0 d
24.183	-11.00000	-5.99571	116.00000	0.0	0.0	0.0	0.0 d
26.198	-10.75000	-7.99536	116.00000	0.0	0.0	0.0	0.0 d
28.213	-10.50000	-9.99500	116.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: Existing School | Sub-structure: Sub 1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.05000	0.00000	113.50000	-0.88419 d
1.9875	2.03750	0.00000	113.50000	-1.7169 d
3.9750	4.02500	0.00000	113.50000	-1.9593 d
5.9625	6.01250	0.00000	113.50000	-1.5929 d
7.9500	8.00000	0.00000	113.50000	-1.7271 d
9.9375	9.98750	0.00000	113.50000	-2.3324 d
11.925	11.97500	0.00000	113.50000	-2.3255 d
13.912	13.96250	0.00000	113.50000	-1.8125 d
15.900	15.95000	0.00000	113.50000	-0.20117 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	16.00000	0.00000	113.50000	-0.15959 d
1.0000	16.00000	1.00000	113.50000	-0.44178 d
2.0000	16.00000	2.00000	113.50000	-0.52810 d
3.0000	16.00000	3.00000	113.50000	-0.55226 d
4.0000	16.00000	4.00000	113.50000	-0.55576 d
5.0000	16.00000	5.00000	113.50000	-0.55317 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	8.00000	0.10000	113.50000	-1.6233 d
0.98000	8.00000	1.08000	113.50000	-1.2399 d
1.9600	8.00000	2.06000	113.50000	-1.0172 d
2.9400	8.00000	3.04000	113.50000	-0.84203 d
3.9200	8.00000	4.02000	113.50000	-0.70581 d
4.9000	8.00000	5.00000	113.50000	-0.60035 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	8.05000	5.00000	113.50000	-0.60116 d
0.98750	9.03750	5.00000	113.50000	-0.61512 d
1.9750	10.02500	5.00000	113.50000	-0.62354 d
2.9625	11.01250	5.00000	113.50000	-0.62451 d
3.9500	12.00000	5.00000	113.50000	-0.61728 d
4.9375	12.98750	5.00000	113.50000	-0.60283 d
5.9250	13.97500	5.00000	113.50000	-0.58402 d
6.9125	14.96250	5.00000	113.50000	-0.56563 d
7.9000	15.95000	5.00000	113.50000	-0.55351 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	16.05000	5.00000	113.50000	-0.55286 d
1.4151	17.25000	5.75000	113.50000	-0.58348 d
2.8302	18.45000	6.50000	113.50000	-0.69020 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	18.50000	6.55000	113.50000	-0.69813 d
1.0800	18.50000	7.63000	113.50000	-0.78329 d
2.1600	18.50000	8.71000	113.50000	-0.88425 d
3.2400	18.50000	9.79000	113.50000	-1.0611 d
4.3200	18.50000	10.87000	113.50000	-0.77149 d
5.4000	18.50000	11.95000	113.50000	2.1579 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	6.55000	12.00000	113.50000	-0.26006 d
1.9833	8.53333	12.00000	113.50000	-0.28156 d
3.9667	10.51667	12.00000	113.50000	-0.29244 d
5.9500	12.50000	12.00000	113.50000	-0.26174 d
7.9333	14.48333	12.00000	113.50000	-0.045925 d
9.9167	16.46667	12.00000	113.50000	0.38418 d
11.900	18.45000	12.00000	113.50000	2.3065 d

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Made by | Date 07-Dec-2017 | Checked

Channing Junior School, Highgate High Street, N6 5JR
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Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	6.50000	6.55000	113.50000	-0.45791 d
1.0900	6.50000	7.64000	113.50000	-0.39793 d
2.1800	6.50000	8.73000	113.50000	-0.35078 d
3.2700	6.50000	9.82000	113.50000	-0.31335 d
4.3600	6.50000	10.91000	113.50000	-0.28346 d
5.4500	6.50000	12.00000	113.50000	-0.25947 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 9

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	4.00000	9.00000	113.50000	-0.30393 d
1.2250	5.22500	9.00000	113.50000	-0.32285 d
2.4500	6.45000	9.00000	113.50000	-0.34004 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	4.00000	6.55000	113.50000	-0.41006 d
1.2000	4.00000	7.75000	113.50000	-0.35102 d
2.4000	4.00000	8.95000	113.50000	-0.30559 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 11

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	4.00000	6.50000	113.50000	-0.41289 d
2.3000	6.30000	6.50000	113.50000	-0.45770 d
4.6000	8.60000	6.50000	113.50000	-0.49039 d
6.9000	10.90000	6.50000	113.50000	-0.50704 d
9.2000	13.20000	6.50000	113.50000	-0.51004 d
11.500	15.50000	6.50000	113.50000	-0.53322 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 12

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	15.50000	6.55000	113.50000	-0.53216 d
1.0800	15.50000	7.63000	113.50000	-0.50266 d
2.1600	15.50000	8.71000	113.50000	-0.44873 d
3.2400	15.50000	9.79000	113.50000	-0.34577 d
4.3200	15.50000	10.87000	113.50000	-0.15009 d
5.4000	15.50000	11.95000	113.50000	0.42435 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 13

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.05000	8.00000	113.50000	-0.26144 d
0.97500	1.02500	8.00000	113.50000	-0.28192 d
1.9500	2.00000	8.00000	113.50000	-0.30203 d
2.9250	2.97500	8.00000	113.50000	-0.32139 d
3.9000	3.95000	8.00000	113.50000	-0.33968 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 14

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	0.00000	0.00000	113.50000	-0.87034 d
1.0000	0.00000	1.00000	113.50000	-0.72633 d
2.0000	0.00000	2.00000	113.50000	-0.60298 d
3.0000	0.00000	3.00000	113.50000	-0.50697 d
4.0000	0.00000	4.00000	113.50000	-0.43281 d
5.0000	0.00000	5.00000	113.50000	-0.37476 d
6.0000	0.00000	6.00000	113.50000	-0.32894 d
7.0000	0.00000	7.00000	113.50000	-0.29136 d
8.0000	0.00000	8.00000	113.50000	-0.26039 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 15

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	18.50000	6.50000	113.50000	-0.69438 d
1.7614	19.95000	5.50000	113.50000	-0.69623 d

d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 16

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 20.00000 5.50000 113.50000 -0.69902 d
0.98333 20.98333 5.50000 113.50000 -0.75425 d
1.9667 21.96667 5.50000 113.50000 -0.80852 d
2.9500 22.95000 5.50000 113.50000 -0.88684 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 17

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 23.00000 5.50000 113.50000 -0.89436 d
1.3793 24.00000 6.45000 113.50000 -1.9912 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 18

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 24.00000 6.50000 113.50000 -2.0128 d
1.1500 24.00000 7.65000 113.50000 -2.3436 d
2.3000 24.00000 8.80000 113.50000 -2.3499 d
3.4500 24.00000 9.95000 113.50000 -0.82392 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 19

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 18.55000 10.00000 113.50000 -1.1411 d
1.0900 19.64000 10.00000 113.50000 -1.8854 d
2.1800 20.73000 10.00000 113.50000 -2.3795 d
3.2700 21.82000 10.00000 113.50000 -2.5451 d
4.3600 22.91000 10.00000 113.50000 -2.0243 d
5.4500 24.00000 10.00000 113.50000 -0.67446 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 20

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 11.00000 12.05000 116.00000 -0.28908 d
0.96667 11.00000 13.01667 116.00000 -0.27751 d
1.9333 11.00000 13.98333 116.00000 -0.27528 d
2.9000 11.00000 14.95000 116.00000 -0.27947 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 21

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 11.00000 15.00000 114.00000 -0.28004 d
1.4142 10.00000 16.00000 114.00000 -0.52375 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 22

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 10.00000 16.00000 114.00000 -0.52375 d
1.0000 9.00000 16.00000 114.00000 -0.48411 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 23

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 9.00000 16.00000 114.00000 -0.48411 d
1.5000 9.00000 17.50000 114.00000 -0.46101 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 24

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 9.00000 17.50000 114.00000 -0.46101 d
1.0000 10.00000 17.50000 114.00000 -0.50850 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 25

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 10.00000 17.50000 114.00000 -0.50850 d
1.4142 11.00000 18.50000 114.00000 -0.55114 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 26

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

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Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

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	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 11.00000 18.50000 114.00000 -0.55114 d
1.5000 11.00000 20.00000 114.00000 -0.25091 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 27

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 11.05000 20.00000 114.00000 -0.25234 d
0.98333 12.03333 20.00000 114.00000 -0.28351 d
1.9667 13.01667 20.00000 114.00000 -0.32045 d
2.9500 14.00000 20.00000 114.00000 -0.36015 d
3.9333 14.98333 20.00000 114.00000 -0.38737 d
4.9167 15.96667 20.00000 114.00000 -0.33703 d
5.9000 16.95000 20.00000 114.00000 0.30957 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 28

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 17.00000 15.00000 114.00000 -1.9848 d
1.0000 17.00000 16.00000 114.00000 -2.4199 d
2.0000 17.00000 17.00000 114.00000 -2.5323 d
3.0000 17.00000 18.00000 114.00000 -2.0956 d
4.0000 17.00000 19.00000 114.00000 -0.36361 d
5.0000 17.00000 20.00000 114.00000 0.46541 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 29

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 11.05000 15.00000 114.00000 -0.28079 d
0.98333 12.03333 15.00000 114.00000 -0.29436 d
1.9667 13.01667 15.00000 114.00000 -0.30276 d
2.9500 14.00000 15.00000 114.00000 -0.29570 d
3.9333 14.98333 15.00000 114.00000 -0.23259 d
4.9167 15.96667 15.00000 114.00000 0.31534 d
5.9000 16.95000 15.00000 114.00000 -1.8913 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 30

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 17.05000 20.00000 116.00000 0.85517 d
0.98571 18.03571 20.00000 116.00000 1.3757 d
1.9714 19.02143 20.00000 116.00000 1.4537 d
2.9571 20.00714 20.00000 116.00000 1.4911 d
3.9429 20.99286 20.00000 116.00000 1.5892 d
4.9286 21.97857 20.00000 116.00000 1.8214 d
5.9143 22.96429 20.00000 116.00000 2.1335 d
6.9000 23.95000 20.00000 116.00000 1.9956 d
d - Displacements include imported displacements.

Structure: Existing School | Sub-structure: Sub 31

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 24.00000 10.05000 116.00000 1.5162 d
1.9900 24.00000 12.04000 116.00000 3.3871 d
3.9800 24.00000 14.03000 116.00000 3.4285 d
5.9700 24.00000 16.02000 116.00000 3.5408 d
7.9600 24.00000 18.01000 116.00000 3.9671 d
9.9500 24.00000 20.00000 116.00000 1.5869 d
d - Displacements include imported displacements.

Structure: Boundary Wall | Sub-structure: Sub 32

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1
0.0 14.00000 22.00000 114.50000 -0.26371 d
2.0123 16.00000 22.22222 114.50000 -0.24236 d
4.0246 18.00000 22.44444 114.50000 -0.19057 d
6.0369 20.00000 22.66667 114.50000 -0.18138 d
8.0492 22.00000 22.88889 114.50000 0.078780 d
10.062 24.00000 23.11111 114.50000 0.60087 d
12.074 26.00000 23.33333 114.50000 0.55527 d
14.086 28.00000 23.55556 114.50000 0.36883 d
16.098 30.00000 23.77778 114.50000 0.17149 d
18.111 32.00000 24.00000 114.50000 -0.42147 d
20.123 34.00000 24.22222 114.50000 -0.41011 d
22.135 36.00000 24.44444 114.50000 -0.33561 d
24.148 38.00000 24.66667 114.50000 -0.26693 d
26.160 40.00000 24.88889 114.50000 -0.21152 d
28.172 42.00000 25.11111 114.50000 -0.16817 d
30.185 44.00000 25.33333 114.50000 -0.13443 d
32.197 46.00000 25.55556 114.50000 -0.10808 d
34.209 48.00000 25.77778 114.50000 -0.087357 d
36.222 50.00000 26.00000 114.50000 -0.070942 d
d - Displacements include imported displacements.

Structure: Boundary Wall | Sub-structure: Sub 33

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
0.0	-4.00000	20.00000	114.50000	-0.077049	d
2.0119	-2.00000	20.21875	114.50000	-0.087444	d
4.0239	0.00000	20.43750	114.50000	-0.099124	d
6.0358	2.00000	20.65625	114.50000	-0.11249	d
8.0477	4.00000	20.87500	114.50000	-0.12822	d
10.060	6.00000	21.09375	114.50000	-0.14735	d
12.072	8.00000	21.31250	114.50000	-0.17139	d
14.083	10.00000	21.53125	114.50000	-0.20190	d
16.095	12.00000	21.75000	114.50000	-0.23778	d

d - Displacements include imported displacements.

Structure: Boundary Wall | Sub-structure: Sub 34

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	-14.00000	18.75000	114.50000	-0.039102	d
1.0078	-13.00000	18.87500	114.50000	-0.042050	d
2.0156	-12.00000	19.00000	114.50000	-0.045171	d
3.0233	-11.00000	19.12500	114.50000	-0.048471	d
4.0311	-10.00000	19.25000	114.50000	-0.051955	d
5.0389	-9.00000	19.37500	114.50000	-0.055627	d
6.0467	-8.00000	19.50000	114.50000	-0.059492	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 35

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	-14.00000	18.00000	116.00000	-0.081339	d
1.0050	-13.00000	18.10000	116.00000	-0.043835	d
2.0100	-12.00000	18.20000	116.00000	-0.047199	d
3.0150	-11.00000	18.30000	116.00000	-0.050767	d
4.0200	-10.00000	18.40000	116.00000	-0.054545	d
5.0249	-9.00000	18.50000	116.00000	-0.11708	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 36

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	-9.00000	18.50000	116.00000	-0.11708	d
2.0156	-8.75000	16.50000	116.00000	-0.067209	d
4.0311	-8.50000	14.50000	116.00000	-0.077364	d
6.0467	-8.25000	12.50000	116.00000	-0.089350	d
8.0623	-8.00000	10.50000	116.00000	-0.10357	d
10.078	-7.75000	8.50000	116.00000	-0.12042	d
12.093	-7.50000	6.50000	116.00000	-0.14019	d
14.109	-7.25000	4.50000	116.00000	-0.16277	d
16.125	-7.00000	2.50000	116.00000	-0.18711	d
18.140	-6.75000	0.50000	116.00000	-0.21050	d
20.156	-6.50000	-1.50000	116.00000	-0.22839	d
22.171	-6.25000	-3.50000	116.00000	-0.23604	d
24.187	-6.00000	-5.50000	116.00000	-0.23157	d
26.202	-5.75000	-7.50000	116.00000	-0.21702	d
28.218	-5.50000	-9.50000	116.00000	-0.39259	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 37

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	-10.50000	-9.99500	116.00000	-0.21273	d
1.0049	-9.50000	-9.89600	116.00000	-0.11967	d
2.0098	-8.50000	-9.79700	116.00000	-0.13495	d
3.0147	-7.50000	-9.69800	116.00000	-0.15254	d
4.0196	-6.50000	-9.59900	116.00000	-0.17284	d
5.0244	-5.50000	-9.50000	116.00000	-0.39259	d

d - Displacements include imported displacements.

Structure: Stable Block | Sub-structure: Sub 38

Dist. [m]	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	-14.00000	18.00000	116.00000	-0.081339	d
2.0152	-13.75000	16.00036	116.00000	-0.046103	d
4.0304	-13.50000	14.00071	116.00000	-0.052208	d
6.0456	-13.25000	12.00107	116.00000	-0.059034	d
8.0608	-13.00000	10.00143	116.00000	-0.066599	d
10.076	-12.75000	8.00179	116.00000	-0.074848	d
12.091	-12.50000	6.00214	116.00000	-0.083609	d
14.106	-12.25000	4.00250	116.00000	-0.092537	d
16.122	-12.00000	2.00286	116.00000	-0.10106	d
18.137	-11.75000	0.00321	116.00000	-0.10842	d
20.152	-11.50000	-1.99643	116.00000	-0.11374	d
22.167	-11.25000	-3.99607	116.00000	-0.11631	d
24.183	-11.00000	-5.99571	116.00000	-0.11578	d
26.198	-10.75000	-7.99536	116.00000	-0.11228	d
28.213	-10.50000	-9.99500	116.00000	-0.21273	d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: Existing School | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	5.1718	Hogging	0.0097406	0.0	0.0095764	0.0	418.98E-6	6639.5	0 (Negligible)
	2	5.1718	3.5680	Sagging	0.0055076	0.0	0.0053335	0.0	304.60E-6	18296.	0 (Negligible)
	3	8.7399	7.1591	Hogging	0.015960	0.0	0.015452	0.0	-810.74E-6	3168.3	0 (Negligible)

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

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Made by	Date 07-Dec-2017	Checked

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
Structure: Existing School | Sub-structure: Sub 2											
0.0	1	0.0	5.0000	Hogging	0.0042169	0.0	0.0041504	0.0	282.19E-6	4361.0	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 3											
0.0	1	0.0	4.9000	Sagging	0.0040086	0.0	0.0037762	0.0	-391.26E-6	5082.1	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 4											
0.0	1	0.0	5.7763	Hogging	530.10E-6	0.0	519.03E-6	0.0	-19.041E-6	125760.	0 (Negligible)
	2	5.7763	2.1227	Sagging	159.47E-6	0.0	157.68E-6	0.0	-19.041E-6	125830.	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 5											
0.0	1	0.0	2.8300	Sagging	0.0013307	0.0	0.0013039	0.0	75.412E-6	26317.	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 6											
0.0	1	0.0	1.3955	Sagging	254.07E-6	0.0	252.81E-6	0.0	93.487E-6	38133.	0 (Negligible)
	2	1.3955	4.0035	Hogging	0.052970	0.0	0.052431	0.0	-0.0027124	366.29	1 (Very Slight)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 7											
0.0	1	0.0	11.899	Hogging	0.012575	0.0	0.011529	0.0	-969.24E-6	2170.8	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 8											
0.0	1	0.0	5.4500	Sagging	508.43E-6	0.0	472.46E-6	0.0	-55.028E-6	87354.	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 9											
0.0	1	0.0	2.4500	Hogging	35.095E-6	0.0	34.940E-6	0.0	15.448E-6	863810.	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 10											
0.0	1	0.0	2.3990	Sagging	280.66E-6	0.0	276.55E-6	0.0	-49.197E-6	105810.	0 (Negligible)
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.											
Structure: Existing School | Sub-structure: Sub 11											
Vertical Offset from Line for	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal	Max Tensile	Max Gradient of	Max Gradient of Vertical	Min Radius of	Damage Category

Vertical Movement Calculations		Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	7.6602	Hogging	265.11E-6	0.0	255.53E-6	0.0	19.481E-6	366230.	0 (Negligible)
	2	7.6602	3.8398	Sagging	209.80E-6	0.0	202.17E-6	0.0	10.081E-6	184620.	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.3990	Hogging	0.0071710	0.0	0.0070395	0.0	-531.89E-6	2589.3	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 13

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.9000	Hogging	37.651E-6	0.0	37.301E-6	0.0	21.003E-6	830120.	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 14

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.0000	Sagging	0.0016812	0.0	0.0017774	0.0	-144.01E-6	41240.	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 15

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7610	None	0.0	0.0	0.0	0.0	1.0484E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 16

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.56771	Hogging	0.0	0.0	0.0	0.0	56.170E-6	133840.	0 (Negligible)
	2	0.56771	2.3813	Sagging	583.90E-6	0.0	575.53E-6	0.0	79.641E-6	31899.	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.3790	Hogging	0.0	0.0	0.0	0.0	795.23E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.4490	Hogging	0.032729	0.0	0.032482	0.0	-0.0013270	720.73	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.4490	Hogging	0.030794	0.0	0.030219	0.0	-0.0012384	1373.4	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.8990	Sagging	288.48E-6	0.0	276.34E-6	0.0	-11.971E-6	92825.	0 (Negligible)

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Channing Junior School, Highgate High Street, N6 5JR
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Made by	Date 07-Dec-2017	Checked

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

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

Structure: Existing School | Sub-structure: Sub 21

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.4140	Hogging	0.0	0.0	0.0	0.0	172.33E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 22

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.0000	None	0.0	0.0	0.0	0.0	-39.639E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 23

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.5000	None	0.0	0.0	0.0	0.0	-15.400E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 24

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.0000	None	0.0	0.0	0.0	0.0	47.492E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 25

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.4000	None	0.0	0.0	0.0	0.0	30.150E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 26

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.5000	None	0.0	0.0	0.0	0.0	-200.15E-6	-	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 27

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.9117	Sagging	146.18E-6	0.0	144.80E-6	0.0	37.561E-6	148460.	0 (Negligible)
	2	1.9117	3.9873	Hogging	0.012259	0.0	0.012135	0.0	-657.56E-6	1331.4	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 28

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.6127	Hogging	0.029686	0.0	0.029439	0.0	-0.0017320	1474.5	0 (Negligible)
	2	3.6127	1.3873	Sagging	0.018077	0.0	0.017988	0.0	-0.0017320	688.48	0 (Negligible)

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

Structure: Existing School | Sub-structure: Sub 29

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.2070	Hogging	713.48E-6	0.0	708.78E-6	0.0	-64.175E-6	6327.7	0 (Negligible)
	2	3.2070	2.6920	Sagging	0.059856	0.0	0.058764	0.0	0.0022441	271.17	1 (Very Slight)

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

Structure: Existing School | Sub-structure: Sub 30

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.6448	Sagging	0.010866	0.029726	0.035819	-382.76E-6	-527.89E-6	1790.6	0 (Negligible)
	2	2.6448	2.0111	Hogging	0.0034426	0.047450	0.048206	-491.09E-6	-235.51E-6	9542.7	0 (Negligible)
	3	4.6559	2.2431	Sagging	0.010690	0.049133	0.054268	-491.09E-6	-316.45E-6	1669.3	1 (Very Slight)

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

Structure: Existing School | Sub-structure: Sub 31

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	9.9500	Sagging	0.024021	0.0	0.034603	0.0	0.0011961	1104.2	0 (Negligible)

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

Structure: Boundary Wall | Sub-structure: Sub 32

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.3896	Hogging	0.0027014	0.037168	0.040336	0.0026227	-260.13E-6	22589.	0 (Negligible)
	2	8.3896	8.0794	Sagging	0.0056343	-0.052891	0.010728	0.0026227	294.62E-6	15993.	0 (Negligible)
	3	16.469	6.5972	Hogging	0.0059292	0.0052194	0.011096	-172.90E-6	294.62E-6	18528.	0 (Negligible)
	4	23.066	9.1307	Sagging	286.86E-6	169.97E-6	605.57E-6	-4.1272E-6	-34.133E-6	345050.	0 (Negligible)

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

Structure: Boundary Wall | Sub-structure: Sub 33

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	6.0358	9.9642	Sagging	160.14E-6	0.0	241.65E-6	0.0	17.833E-6	693370.	0 (Negligible)

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

Structure: Boundary Wall | Sub-structure: Sub 34

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

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

Structure: Stable Block | Sub-structure: Sub 35

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	5.0000	0.0	None	0.0	0.0	0.0	0.0	62.223E-6	13625.	0 (Negligible)

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

Structure: Stable Block | Sub-structure: Sub 36

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	15.092	Sagging	380.42E-6	0.0	575.67E-6	0.0	-24.743E-6	54476.	0 (Negligible)
	2	15.092	7.5213	Hogging	173.23E-6	0.0	161.33E-6	0.0	12.076E-6	365000.	0 (Negligible)
	3	22.613	5.5869	Sagging	0.0020951	0.0	0.0022113	0.0	87.106E-6	16857.	0 (Negligible)

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

Structure: Stable Block | Sub-structure: Sub 37

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.0000	Sagging	0.0035949	0.0	0.0034934	0.0	218.68E-6	4021.7	0 (Negligible)

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

Structure: Stable Block | Sub-structure: Sub 38

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	16.122	6.2698	Hogging	46.355E-6	0.0	44.096E-6	0.0	4.2314E-6	1.3646E+6	0 (Negligible)
	2	22.391	5.8085	Sagging	0.0011453	0.0	0.0012426	0.0	49.846E-6	30999.	0

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Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
											(Negligible)

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

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

Structure: Existing School | Sub-structure: Sub 1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.015960		0.0	-810.74E-6	2.3323	0.015452	0.0	-810.74E-6	3168.3	18296. 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0042169		0.0	282.19E-6	0.55573	0.0041504	0.0	282.19E-6	4361.0	- 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0040086		0.0	-391.26E-6	1.6233	0.0037762	0.0	-391.26E-6	-	5082.1 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	530.10E-6		0.0	-19.041E-6	0.62447	519.03E-6	0.0	-19.041E-6	125760.	125830. 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0013307		0.0	75.412E-6	0.69018	0.0013039	0.0	75.412E-6	-	26317. 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.052970		0.0	-0.0027124	2.1552	0.052431	0.0	-0.0027124	366.29	38133. 1 (Very Slight)

Structure: Existing School | Sub-structure: Sub 7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.012575		0.0	-969.24E-6	2.3055	0.011529	0.0	-969.24E-6	2170.8	- 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	508.43E-6		0.0	-55.028E-6	0.45791	472.46E-6	0.0	-55.028E-6	-	87354. 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	35.095E-6		0.0	15.448E-6	0.34004	34.940E-6	0.0	15.448E-6	863810.	- 0 (Negligible)

Structure: Existing School | Sub-structure: Sub 10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	280.66E-6		0.0	-49.197E-6	0.41006	276.55E-6	0.0	-49.197E-6	-	105810. 0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]		[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	265.11E-6	0.0	19.481E-6	0.53322	255.53E-6	0.0	19.481E-6	366230.	184620.	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]		[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	0.0071710	0.0	-531.89E-6	0.53216	0.0070395	0.0	-531.89E-6	2589.3	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]		[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	37.651E-6	0.0	21.003E-6	0.33968	37.301E-6	0.0	21.003E-6	830120.	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]		[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	0.0016812	0.0	-144.01E-6	0.87034	0.0017774	0.0	-144.01E-6	-	41240.	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 15

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]		[%]	[%]	[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	1.0484E-6	0.69623	0.0	0.0	1.0484E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	583.90E-6	0.0	79.641E-6	0.88676	575.53E-6	0.0	79.641E-6	133840.	31899.	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	795.23E-6	1.9910	0.0	0.0	795.23E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.032729	0.0	-0.0013270	2.3499	0.032482	0.0	-0.0013270	720.73	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.030794	0.0	-0.0012384	2.5417	0.030219	0.0	-0.0012384	1373.4	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	288.48E-6	0.0	-11.971E-6	0.28908	276.34E-6	0.0	-11.971E-6	-	92825.	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 21

Vertical Offset from	Deflection Ratio	Average Horizontal	Max Slope	Max Settlement	Max Tensile	Max Gradient of	Max Gradient of Vertical	Min Radius of	Min Radius of	Damage Category

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement & Damage Assessment
Imported P-Disp displacements (Vertical) + Horizontal movements on new RC Retaining Wall

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by	Date 07-Dec-2017	Checked

Line for Vertical Movement Calculations	Strain	Strain	Horizontal Displacement Curve	Curvature (Hogging)	Curvature (Sagging)	
[m]	[%]	[%]	[mm]	[%]	[m]	[m]	
0.0	0.0	0.0 172.33E-6	0.52371	0.0	172.33E-6	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 22

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	-39.639E-6	0.52375	0.0	0.0	-39.639E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 23

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	-15.400E-6	0.48411	0.0	0.0	-15.400E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 24

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0 47.492E-6		0.50850	0.0	0.0	47.492E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 25

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0 30.150E-6		0.55071	0.0	0.0	30.150E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 26

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	-200.15E-6	0.55114	0.0	0.0	-200.15E-6	-	-	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 27

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.012259	0.0	-657.56E-6	0.38715	0.012135	0.0	-657.56E-6	1331.4	148460.	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 28

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.029686	0.0	-0.0017320	2.5292	0.029439	0.0	-0.0017320	1474.5	688.48	0 (Negligible)

Structure: Existing School | Sub-structure: Sub 29

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.059856	0.0	0.0022441	1.8891	0.058764	0.0	0.0022441	6327.7	271.17	1 (Very Slight)

Structure: Existing School | Sub-structure: Sub 30

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.010866	0.049133	-527.89E-6	2.1320	0.054268	-491.09E-6	-527.89E-6	9542.7	1669.3	1 (Very Slight)

Structure: Existing School | Sub-structure: Sub 31

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.024021	0.0	0.0011961	3.9628	0.034603	0.0	0.0011961	-	1104.2	0 (Negligible)

Structure: Boundary Wall | Sub-structure: Sub 32

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0059292	-0.052891	294.62E-6	0.59984	0.040336	0.0026227	294.62E-6	18528.	15993.	0 (Negligible)

Structure: Boundary Wall | Sub-structure: Sub 33

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	160.14E-6	0.0	17.833E-6	0.23608	241.65E-6	0.0	17.833E-6	-	693370.	0 (Negligible)

Structure: Boundary Wall | Sub-structure: Sub 34

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: Stable Block | Sub-structure: Sub 35

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	62.223E-6	0.11553	0.0	0.0	62.223E-6	-	-	0 (Negligible)

Structure: Stable Block | Sub-structure: Sub 36

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0020951	0.0	87.106E-6	0.39103	0.0022113	0.0	87.106E-6	365000.	16857.	0 (Negligible)

Structure: Stable Block | Sub-structure: Sub 37

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0035949	0.0	218.68E-6	0.38724	0.0034934	0.0	218.68E-6	-	4021.7	0 (Negligible)

Structure: Stable Block | Sub-structure: Sub 38

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0011453	0.0	49.846E-6	0.21209	0.0012426	0.0	49.846E-6	1.3646E+6	30999.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
Existing School	Max Slope	Sub 6	2	1.3955	5.3990	Hogging	**0.0027124**	2.1552	0.052431	366.29	-	1 (Very Slight)
	Max Settlement	Sub 31	1	0.0	9.9500	Sagging	0.0011961	**3.9628**	0.034603	-	1104.2	0 (Negligible)
	Max Tensile Strain	Sub 29	2	3.2070	5.8990	Sagging	0.0022441	1.8891	**0.058764**	-	271.17	1 (Very Slight)
	Min Radius of Curvature (Hogging)	Sub 6	2	1.3955	5.3990	Hogging	0.0027124	2.1552	0.052431	**366.29**	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)	Sub 29	2	3.2070	5.8990	Sagging	0.0022441	1.8891	0.058764	-	**271.17**	1 (Very Slight)
Boundary Wall	Max Slope	Sub 32	2	8.3896	16.469	Sagging	**294.62E-6**	0.59984	0.010728	-	15993.	0 (Negligible)
	Max Settlement	Sub 32	2	8.3896	16.469	Sagging	294.62E-6	**0.59984**	0.010728	-	15993.	0 (Negligible)
	Max Tensile Strain	Sub 32	1	0.0	8.3896	Hogging	260.13E-6	0.26371	**0.040336**	22589.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	Sub 32	3	16.469	23.066	Hogging	294.62E-6	0.42134	0.011096	**18528.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	Sub 32	2	8.3896	16.469	Sagging	294.62E-6	0.59984	0.010728	-	**15993.**	0 (Negligible)
Stable Block	Max Slope	Sub 37	1	0.0	5.0000	Sagging	**218.68E-6**	0.38724	0.0034934	-	4021.7	0 (Negligible)
	Max Settlement	Sub 36	3	22.613	28.200	Sagging	87.106E-6	**0.39103**	0.0022113	-	16857.	0 (Negligible)
	Max Tensile Strain	Sub 37	1	0.0	5.0000	Sagging	218.68E-6	0.38724	**0.0034934**	-	4021.7	0 (Negligible)
	Min Radius of Curvature (Hogging)	Sub 36	2	15.092	22.613	Hogging	12.076E-6	0.23599	161.33E-6	**365000.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	Sub 37	1	0.0	5.0000	Sagging	218.68E-6	0.38724	0.0034934	-	**4021.7**	0 (Negligible)

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Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number** J17268
Client	Channing Junior School	**Sheet** 1/1
Engineer	Heyne Tillett Steel	

Figure 11A - Pavilion- Vertical Movements due to Installation of Sheet Piled Wall

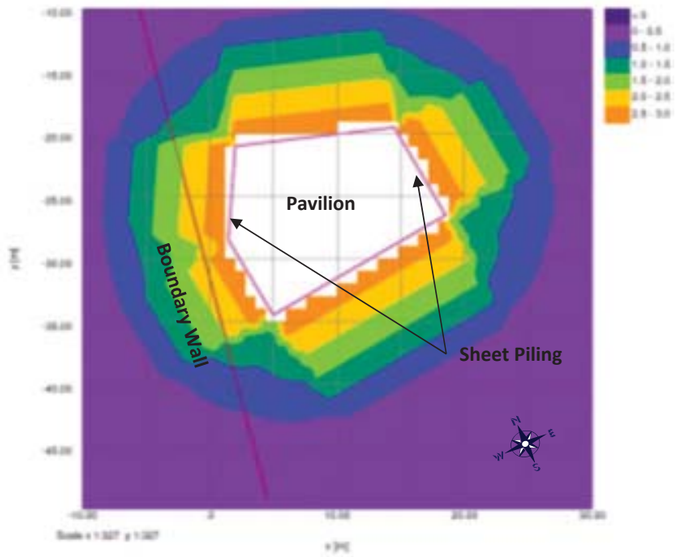
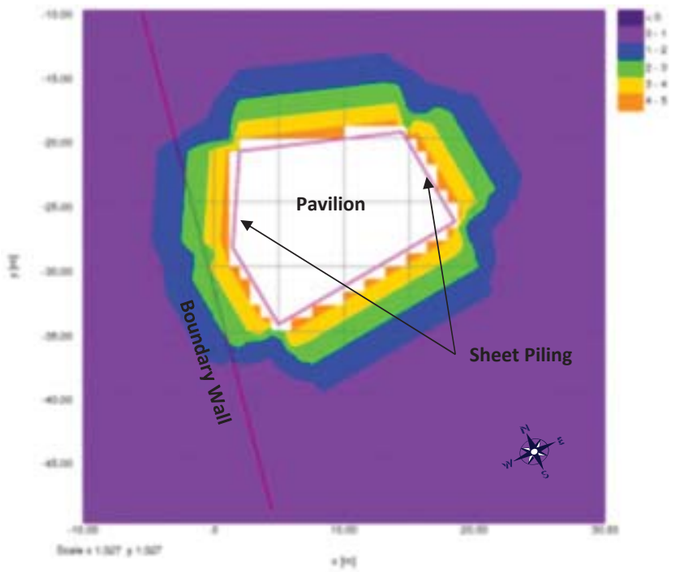


Figure 11B - Pavilion - Horizontal Movements due to Installation of Sheet Piled Wall



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Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 12A - Pavilion- Vertical Movements due to Excavation

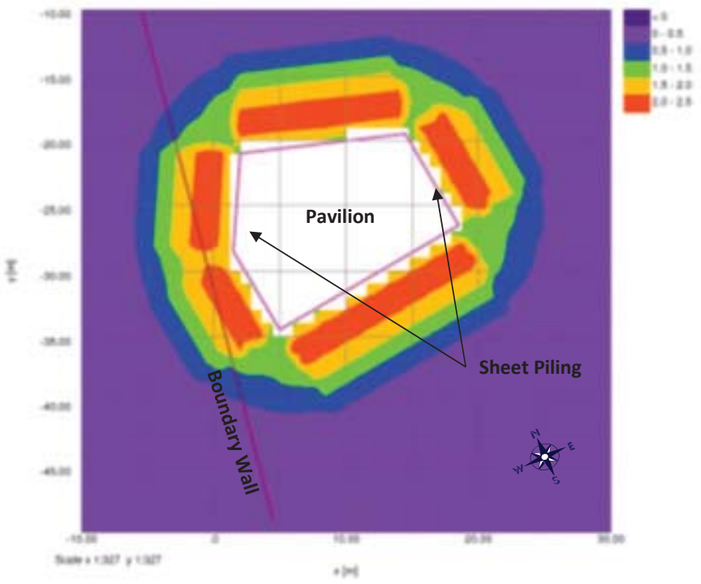
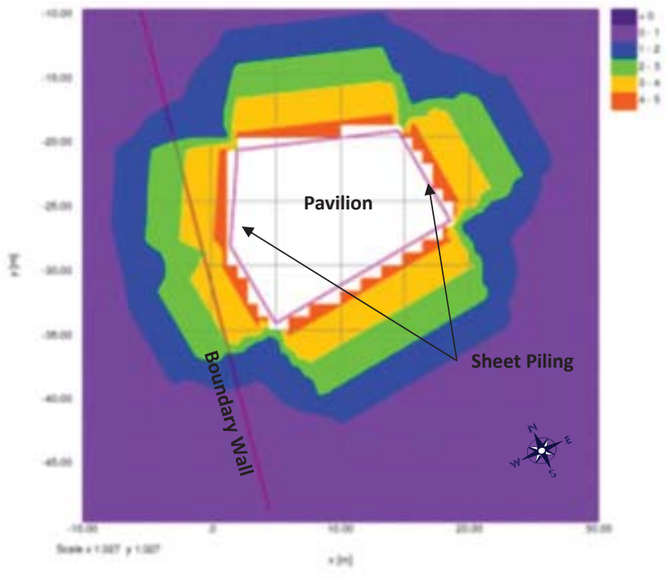


Figure 12B - Pavilion - Horizontal Movements due to Excavation



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Ground Movement Plot

Site	Channing Junior School, Highgate High Street, N6 5JR	**Job Number**	J17268
Client	Channing Junior School	**Sheet**	1/1
Engineer	Heyne Tillett Steel		

Figure 13A - Pavilion- Combined Vertical Movements

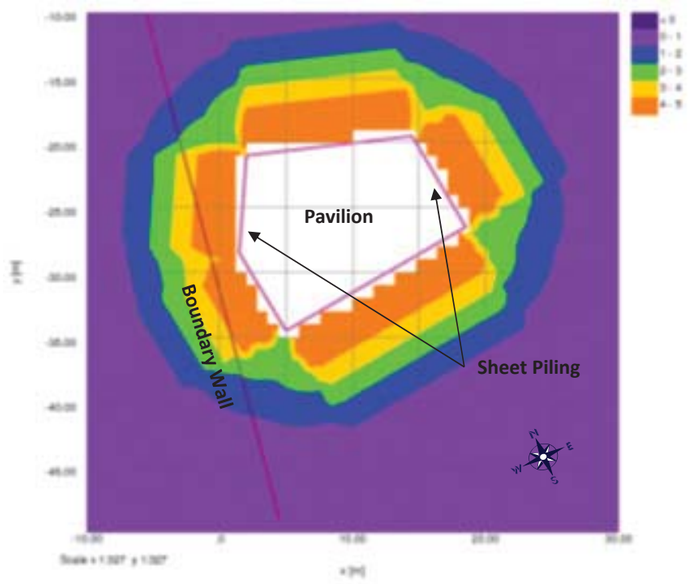
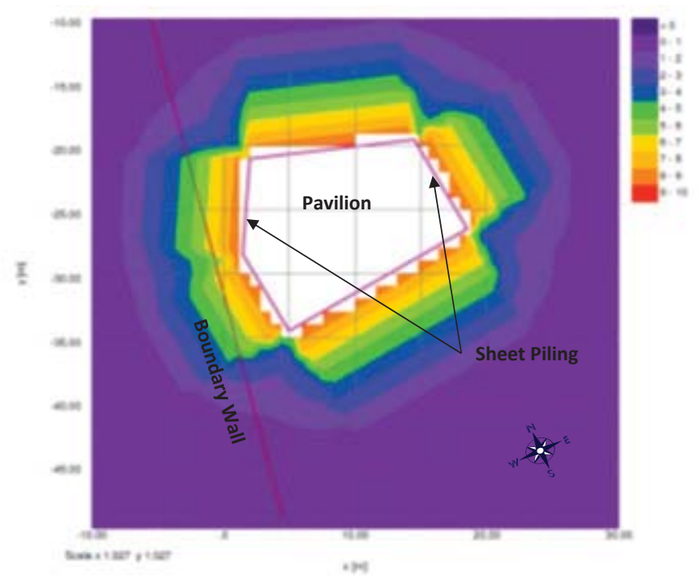


Figure 13B - Pavilion - Combined Horizontal Movements



Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion First point X [m]	Y [m]	Z(level) [m]	Second point X [m]	Y [m]	Z(level) [m]	No. of intervals across extrusion/line	Extrusion depth [m]	No. of intervals along extrusion	Calculate	Surface type for tunnels
Grid	Grid 1	Global X	-10.00000	-10.00000	114.00000	-	-50.00000	114.00000	40	40.00000	50	Yes	Surface
Line	Line 39	-	-5.50000	-10.00000	113.00000	4.50000	-49.00000	113.00000	20	-	-	Yes	Surface

Vertical Ground Movement Curves (Excavations)

Curve Name: **Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
0
[0.000,0.000,0.050][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.5E-2x + 5.0E-2
Coeff. of Determination: 1.0

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.039][0.100,0.000,0.049][0.200,0.000,0.056][0.300,0.000,0.062]
[0.400,0.000,0.067][0.500,0.000,0.070][0.600,0.000,0.072][0.700,0.000,0.073]
[0.800,0.000,0.073][0.900,0.000,0.072][1.000,0.000,0.070][1.100,0.000,0.068]
[1.200,0.000,0.065][1.300,0.000,0.061][1.400,0.000,0.058][1.500,0.000,0.054]
[1.600,0.000,0.050][1.700,0.000,0.046][1.800,0.000,0.042][1.900,0.000,0.038]
[2.000,0.000,0.034][2.100,0.000,0.030][2.200,0.000,0.027][2.300,0.000,0.023]
[2.400,0.000,0.020][2.500,0.000,0.017][2.600,0.000,0.014][2.700,0.000,0.012]
[2.800,0.000,0.010][2.900,0.000,0.008][3.000,0.000,0.007][3.100,0.000,0.005]
[3.200,0.000,0.004][3.300,0.000,0.004][3.400,0.000,0.003][3.500,0.000,0.002]
[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-2.6455E\text{-}3x^4 + 2.8495E\text{-}2x^3 - 1.0051E\text{-}1x^2 + 1.0569E\text{-}1x + 3.8990E\text{-}2$
Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves (Excavations)

Curve Name: **Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.081][0.050,0.000,0.076][0.100,0.000,0.072][0.150,0.000,0.067]
[0.200,0.000,0.063][0.250,0.000,0.059][0.300,0.000,0.056][0.350,0.000,0.052]
[0.400,0.000,0.049][0.450,0.000,0.045][0.500,0.000,0.043][0.550,0.000,0.040]
[0.600,0.000,0.037][0.650,0.000,0.034][0.700,0.000,0.032][0.750,0.000,0.029]
[0.800,0.000,0.027][0.850,0.000,0.024][0.900,0.000,0.022][0.950,0.000,0.020]
[1.000,0.000,0.018][1.050,0.000,0.016][1.100,0.000,0.014][1.150,0.000,0.012]
[1.200,0.000,0.011][1.250,0.000,0.009][1.300,0.000,0.007][1.350,0.000,0.005]
[1.400,0.000,0.004][1.450,0.000,0.002][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-1.0610E\text{-}2x^3 + 4.4203E\text{-}2x^2 - 9.6358E\text{-}2x + 8.0901E\text{-}2$
Coeff. of Determination: 1.0000

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(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

Polygonal Excavations

Excavation Name: Pavilion - Sheet Pile Installation
Surface level [m]: 114.00
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: 108.00

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	p1 [%]	p2* [%]	Next Side d [m]	p1 [%]	p2* [%]
1	2.0000	-21.000	108.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	14.500	-19.500	108.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	18.500	-26.500	108.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	5.0000	-34.500	108.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
5	1.5000	-28.500	108.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	Corner 1 x [m]	y [m]	Corner 2 x [m]	y [m]	Ground Movement Curve Vertical	Horizontal
1	2.0000	-21.000	14.500	-19.500	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
2	14.500	-19.500	18.500	-26.500	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
3	18.500	-26.500	5.0000	-34.500	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Side	Corner 1 x [m]	y [m]	Corner 2 x [m]	y [m]	Ground Movement Curve Vertical	Horizontal
4	5.0000	-34.500	1.5000	-28.500	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
5	1.5000	-28.500	2.0000	-21.000	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of secant bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))

Excavation Name: Pavilion - Excavation Phase
Surface level [m]: 114.00
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: 111.00

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	p1 [%]	p2* [%]	Next Side d [m]	p1 [%]	p2* [%]
1	2.0000	-21.000	111.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
2	14.500	-19.500	111.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
3	18.500	-26.500	111.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
4	5.0000	-34.500	111.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000
5	1.5000	-28.500	111.00	Yes	0.0	67.000	25.000	0.0	67.000	25.000

Side	Corner 1 x [m]	y [m]	Corner 2 x [m]	y [m]	Ground Movement Curve Vertical	Horizontal
1	2.0000	-21.000	14.500	-19.500	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
2	14.500	-19.500	18.500	-26.500	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
3	18.500	-26.500	5.0000	-34.500	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
4	5.0000	-34.500	1.5000	-28.500	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
5	1.5000	-28.500	2.0000	-21.000	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))

Damage Category Strains

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

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
Boundary Wall	Sub 39	Line 39	0.00000	40.26100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging 2nd Moment of Area (per unit width) [m³]	Hogging Distance of Bending Strain from N.A. [m]	Hogging Distance of N.A. from Edge of Beam in Tension [m]	Sagging 2nd Moment of Area (per unit width) [m³]	Sagging Distance of Bending Strain from N.A. [m]	Sagging Distance of N.A. from Edge of Beam in Tension [m]
Boundary Wall	Sub 39	3.0000	Yes	9.0000	3.0000	3.0000	2.2500	1.5000	1.5000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start [m]	Length [m]	Curvature	Combined Segment

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Displacement and Strain Results

Type/No. Name	Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	z [mm]	Horizontal displacement along Line [mm]	Horizontal displacement perpendicular to Line [mm]	Angle of Line to x Axis [°]
Grid 1	Grid 1	-10.00000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-10.00000	114.00000	0.017711	-0.063004	0.063518	-	-	-
		-1.20000	-10.00000	114.00000	0.028220	-0.12396	0.11539	-	-	-
		-0.40000	-10.00000	114.00000	0.032206	-0.18007	0.15770	-	-	-
		0.40000	-10.00000	114.00000	0.030743	-0.22856	0.19027	-	-	-
		1.20000	-10.00000	114.00000	0.043922	-0.36601	0.29880	-	-	-
		2.00000	-10.00000	114.00000	0.048180	-0.40150	0.32616	-	-	-
		2.80000	-10.00000	114.00000	0.052439	-0.43699	0.35355	-	-	-
		3.60000	-10.00000	114.00000	0.056698	-0.47248	0.38101	-	-	-
		4.40000	-10.00000	114.00000	0.060956	-0.50797	0.40860	-	-	-
		5.20000	-10.00000	114.00000	0.065215	-0.54346	0.43637	-	-	-
		6.00000	-10.00000	114.00000	0.069474	-0.57895	0.46439	-	-	-
		6.80000	-10.00000	114.00000	0.073732	-0.61444	0.49268	-	-	-
		7.60000	-10.00000	114.00000	0.077991	-0.64993	0.52131	-	-	-

Oasys

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Job No.	Sheet No.	Rev.
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Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		8.40000	-10.00000	114.00000	0.082250	-0.68541	0.55032	-	-	-
		9.20000	-10.00000	114.00000	0.086508	-0.72090	0.57975	-	-	-
		10.00000	-10.00000	114.00000	0.090767	-0.75639	0.60964	-	-	-
		10.80000	-10.00000	114.00000	0.095026	-0.79188	0.64003	-	-	-
		11.60000	-10.00000	114.00000	0.099284	-0.82737	0.67097	-	-	-
		12.40000	-10.00000	114.00000	0.10354	-0.86286	0.70247	-	-	-
		13.20000	-10.00000	114.00000	0.10780	-0.89835	0.73459	-	-	-
		14.00000	-10.00000	114.00000	0.049200	-0.66814	0.56202	-	-	-
		14.80000	-10.00000	114.00000	0.0056926	-0.63253	0.55027	-	-	-
		15.60000	-10.00000	114.00000	-0.036862	-0.58086	0.52224	-	-	-
		16.40000	-10.00000	114.00000	-0.074462	-0.51689	0.48019	-	-	-
		17.20000	-10.00000	114.00000	-0.10353	-0.44438	0.42700	-	-	-
		18.00000	-10.00000	114.00000	-0.12112	-0.36675	0.36564	-	-	-
		18.80000	-10.00000	114.00000	-0.12507	-0.28696	0.29864	-	-	-
		19.60000	-10.00000	114.00000	-0.11597	-0.21130	0.23179	-	-	-
		20.40000	-10.00000	114.00000	-0.091660	-0.13871	0.16230	-	-	-
		21.20000	-10.00000	114.00000	-0.047972	-0.062368	0.079565	-	-	-
		22.00000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-10.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-11.00000	114.00000	0.011103	-0.020966	0.026768	-	-	-
		-3.60000	-11.00000	114.00000	0.043064	-0.095703	0.10599	-	-	-
		-2.80000	-11.00000	114.00000	0.065498	-0.17386	0.17683	-	-	-
		-2.00000	-11.00000	114.00000	0.078568	-0.25374	0.24123	-	-	-
		-1.20000	-11.00000	114.00000	0.082763	-0.33308	0.29945	-	-	-
		-0.40000	-11.00000	114.00000	0.078951	-0.40904	0.35045	-	-	-
		0.40000	-11.00000	114.00000	0.068397	-0.47821	0.39242	-	-	-
		1.20000	-11.00000	114.00000	0.088283	-0.73569	0.59215	-	-	-
		2.00000	-11.00000	114.00000	0.092542	-0.77118	0.62224	-	-	-
		2.80000	-11.00000	114.00000	0.096800	-0.80667	0.65286	-	-	-
		3.60000	-11.00000	114.00000	0.10106	-0.84216	0.68402	-	-	-
		4.40000	-11.00000	114.00000	0.10532	-0.87765	0.71578	-	-	-
		5.20000	-11.00000	114.00000	0.10958	-0.91314	0.74816	-	-	-
		6.00000	-11.00000	114.00000	0.11383	-0.94862	0.78119	-	-	-
		6.80000	-11.00000	114.00000	0.11809	-0.98411	0.81490	-	-	-
		7.60000	-11.00000	114.00000	0.12235	-1.0196	0.84933	-	-	-
		8.40000	-11.00000	114.00000	0.12661	-1.0551	0.88448	-	-	-
		9.20000	-11.00000	114.00000	0.13087	-1.0906	0.92040	-	-	-
		10.00000	-11.00000	114.00000	0.13625	-1.1354	0.95709	-	-	-
		10.80000	-11.00000	114.00000	0.14451	-1.2043	0.99458	-	-	-
		11.60000	-11.00000	114.00000	0.15277	-1.2731	1.0329	-	-	-
		12.40000	-11.00000	114.00000	0.16101	-1.3418	1.0720	-	-	-
		13.20000	-11.00000	114.00000	0.16925	-1.4105	1.1120	-	-	-
		14.00000	-11.00000	114.00000	0.083054	-1.0635	0.84905	-	-	-
		14.80000	-11.00000	114.00000	0.0059782	-1.0013	0.82865	-	-	-
		15.60000	-11.00000	114.00000	-0.068698	-0.90462	0.78568	-	-	-
		16.40000	-11.00000	114.00000	-0.13152	-0.78256	0.72387	-	-	-
		17.20000	-11.00000	114.00000	-0.17420	-0.64378	0.64795	-	-	-
		18.00000	-11.00000	114.00000	-0.20326	-0.52990	0.56298	-	-	-
		18.80000	-11.00000	114.00000	-0.21946	-0.43296	0.47433	-	-	-
		19.60000	-11.00000	114.00000	-0.22559	-0.35631	0.40361	-	-	-
		20.40000	-11.00000	114.00000	-0.20813	-0.27564	0.32457	-	-	-
		21.20000	-11.00000	114.00000	-0.16740	-0.19199	0.23779	-	-	-
		22.00000	-11.00000	114.00000	-0.10438	-0.10616	0.14110	-	-	-
		22.80000	-11.00000	114.00000	-0.020446	-0.018782	0.028683	-	-	-
		23.60000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-11.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-12.00000	114.00000	0.047531	-0.067057	0.088679	-	-	-
		-4.40000	-12.00000	114.00000	0.0891154	-0.14716	0.17503	-	-	-
		-3.60000	-12.00000	114.00000	0.11987	-0.23443	0.25744	-	-	-
		-2.80000	-12.00000	114.00000	0.13932	-0.32791	0.33823	-	-	-
		-2.00000	-12.00000	114.00000	0.14745	-0.42596	0.41749	-	-	-
		-1.20000	-12.00000	114.00000	0.14467	-0.52617	0.49351	-	-	-
		-0.40000	-12.00000	114.00000	0.13186	-0.62526	0.56325	-	-	-
		0.40000	-12.00000	114.00000	0.11051	-0.71909	0.62289	-	-	-
		1.20000	-12.00000	114.00000	0.13264	-1.1054	0.93559	-	-	-
		2.00000	-12.00000	114.00000	0.13969	-1.1641	0.97261	-	-	-
		2.80000	-12.00000	114.00000	0.14795	-1.2329	1.0104	-	-	-
		3.60000	-12.00000	114.00000	0.15620	-1.3017	1.0491	-	-	-
		4.40000	-12.00000	114.00000	0.16445	-1.3704	1.0886	-	-	-
		5.20000	-12.00000	114.00000	0.17269	-1.4391	1.1289	-	-	-
		6.00000	-12.00000	114.00000	0.18092	-1.5077	1.1701	-	-	-
		6.80000	-12.00000	114.00000	0.18915	-1.5763	1.2122	-	-	-
		7.60000	-12.00000	114.00000	0.19738	-1.6448	1.2551	-	-	-
		8.40000	-12.00000	114.00000	0.20561	-1.7134	1.2989	-	-	-
		9.20000	-12.00000	114.00000	0.21385	-1.7821	1.3436	-	-	-
		10.00000	-12.00000	114.00000	0.22209	-1.8507	1.3892	-	-	-
		10.80000	-12.00000	114.00000	0.23033	-1.9194	1.4356	-	-	-
		11.60000	-12.00000	114.00000	0.23859	-1.9882	1.4830	-	-	-
		12.40000	-12.00000	114.00000	0.24685	-2.0571	1.5312	-	-	-
		13.20000	-12.00000	114.00000	0.25513	-2.1261	1.5803	-	-	-
		14.00000	-12.00000	114.00000	0.13333	-1.5933	1.2064	-	-	-
		14.80000	-12.00000	114.00000	0.0031374	-1.4857	1.1730	-	-	-
		15.60000	-12.00000	114.00000	-0.12332	-1.3396	1.1085	-	-	-
		16.40000	-12.00000	114.00000	-0.23290	-1.1680	1.0189	-	-	-
		17.20000	-12.00000	114.00000	-0.31468	-0.98293	0.91124	-	-	-
		18.00000	-12.00000	114.00000	-0.36087	-0.79439	0.79300	-	-	-
		18.80000	-12.00000	114.00000	-0.37908	-0.63418	0.69689	-	-	-
		19.60000	-12.00000	114.00000	-0.36139	-0.49029	0.60371	-	-	-
		20.40000	-12.00000	114.00000	-0.34890	-0.40104	0.50287	-	-	-
		21.20000	-12.00000	114.00000	-0.30856	-0.30987	0.39813	-	-	-
		22.00000	-12.00000	114.00000	-0.24234	-0.21754	0.29041	-	-	-
		22.80000	-12.00000	114.00000	-0.15253	-0.12454	0.17680	-	-	-
		23.60000	-12.00000	114.00000	-0.041474	-0.031228	0.049564	-	-	-
		24.40000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-12.00000	114.00000	0.0	0.0	0.0	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-10.00000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-13.00000	114.00000	0.013033	-0.011596	0.021035	-	-	-
		-6.00000	-13.00000	114.00000	0.078134	-0.080239	0.12038	-	-	-
		-5.20000	-13.00000	114.00000	0.13282	-0.15900	0.21428	-	-	-
		-4.40000	-13.00000	114.00000	0.17585	-0.24808	0.30867	-	-	-
		-3.60000	-13.00000	114.00000	0.20626	-0.34750	0.40691	-	-	-
		-2.80000	-13.00000	114.00000	0.22332	-0.45672	0.50963	-	-	-
		-2.00000	-13.00000	114.00000	0.23063	-0.58467	0.61510	-	-	-
		-1.20000	-13.00000	114.00000	0.23933	-0.77292	0.71960	-	-	-
		-0.40000	-13.00000	114.00000	0.22518	-0.96196	0.81790	-	-	-
		0.40000	-13.00000	114.00000	0.19126	-1.1428	0.90391	-	-	-
		1.20000	-13.00000	114.00000	0.21728	-1.8107	1.3625	-	-	-
		2.00000	-13.00000	114.00000	0.22552	-1.8793	1.4084	-	-	-
		2.80000	-13.00000	114.00000	0.23377	-1.9481	1.4553	-	-	-
		3.60000	-13.00000	114.00000	0.24203	-2.0169	1.5030	-	-	-
		4.40000	-13.00000	114.00000	0.25030	-2.0858	1.5516	-	-	-
		5.20000	-13.00000	114.00000	0.25858	-2.1549	1.6010	-	-	-
		6.00000	-13.00000	114.00000	0.26688	-2.2240	1.6513	-	-	-
		6.80000	-13.00000	114.00000	0.27519	-2.2933	1.7024	-	-	-
		7.60000	-13.00000	114.00000	0.28353	-2.3627	1.7544	-	-	-
		8.40000	-13.00000	114.00000	0.29188	-2.4323	1.8072	-	-	-
		9.20000	-13.00000	114.00000	0.30025	-2.5021	1.8608	-	-	-
		10.00000	-13.00000	114.00000	0.30865	-2.5721	1.9152	-	-	-
		10.80000	-13.00000	114.00000	0.31708	-2.6423	1.9703	-	-	-
		11.60000	-13.00000	114.00000	0.32553	-2.7127	2.0261	-	-	-
		12.40000	-13.00000	114.00000	0.33401	-2.7834	2.0827	-	-	-
		13.20000	-13.00000	114.00000	0.34252	-2.8544	2.1399	-	-	-
		14.00000	-13.00000	114.00000	0.19469	-2.1421	1.6341	-	-	-
		14.80000	-13.00000	114.00000	-0.0058668	-1.9744	1.5811	-	-	-
		15.60000	-13.00000	114.00000	-0.20032	-1.7626	1.4872	-	-	-
		16.40000	-13.00000	114.00000	-0.36922	-1.5259	1.3613	-	-	-
		17.20000	-13.00000	114.00000	-0.49755	-1.2819	1.2134	-	-	-
		18.00000	-13.00000	114.00000	-0.58659	-1.0646	1.0742	-	-	-
		18.80000	-13.00000	114.00000	-0.63995	-0.89704	0.96768	-	-	-
		19.60000	-13.00000	114.00000	-0.62755	-0.72338	0.84140	-	-	-
		20.40000	-13.00000	114.00000	-0.55229	-0.54567	0.71027	-	-	-
		21.20000	-13.00000	114.00000	-0.47437	-0.41368	0.57564	-	-	-
		22.00000	-13.00000	114.00000	-0.40071	-0.31519	0.44382	-	-	-
		22.80000	-13.00000	114.00000	-0.30095	-0.21708	0.31489	-	-	-
		23.60000	-13.00000	114.00000	-0.17836	-0.11952	0.18375	-	-	-
		24.40000	-13.00000	114.00000	-0.035900	-0.022581	0.039349	-	-	-
		25.20000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-13.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-14.00000	114.00000	0.017209	-0.011142	0.024116	-	-	-
		-6.80000	-14.00000	114.00000	0.10254	-0.075049	0.13479	-	-	-
		-6.00000	-14.00000	114.00000	0.17219	-0.14475	0.23295	-	-	-
		-5.20000	-14.00000	114.00000	0.22633	-0.22284	0.32958	-	-	-
		-4.40000	-14.00000	114.00000	0.27248	-0.31894	0.44236	-	-	-
		-3.60000	-14.00000	114.00000	0.30773	-0.43414	0.56619	-	-	-
		-2.80000	-14.00000	114.00000	0.36393	-0.62965	0.70024	-	-	-
		-2.00000	-14.00000	114.00000	0.39016	-0.84642	0.84113	-	-	-
		-1.20000	-14.00000	114.00000	0.38592	-1.0812	0.98322	-	-	-
		-0.40000	-14.00000	114.00000	0.35213	-1.3270	1.1191	-	-	-
		0.40000	-14.00000	114.00000	0.29182	-1.5728	1.2402	-	-	-
		1.20000	-14.00000	114.00000	0.30375	-2.5313	1.8833	-	-	-
		2.00000	-14.00000	114.00000	0.31216	-2.6013	1.9380	-	-	-
		2.80000	-14.00000	114.00000	0.32060	-2.6716	1.9935	-	-	-
		3.60000	-14.00000	114.00000	0.32906	-2.7422	2.0496	-	-	-
		4.40000	-14.00000	114.00000	0.33755	-2.8129	2.1065	-	-	-
		5.20000	-14.00000	114.00000	0.34608	-2.8840	2.1640	-	-	-
		6.00000	-14.00000	114.00000	0.35464	-2.9553	2.2221	-	-	-
		6.80000	-14.00000	114.00000	0.36323	-3.0270	2.2809	-	-	-
		7.60000	-14.00000	114.00000	0.37187	-3.0989	2.3402	-	-	-
		8.40000	-14.00000	114.00000	0.38054	-3.1712	2.4001	-	-	-
		9.20000	-14.00000	114.00000	0.38925	-3.2438	2.4605	-	-	-
		10.00000	-14.00000	114.00000	0.39801	-3.3167	2.5214	-	-	-
		10.80000	-14.00000	114.00000	0.40681	-3.3901	2.5826	-	-	-
		11.60000	-14.00000	114.00000	0.41566	-3.4638	2.6443	-	-	-
		12.40000	-14.00000	114.00000	0.42455	-3.5379	2.7062	-	-	-
		13.20000	-14.00000	114.00000	0.43350	-3.6125	2.7685	-	-	-
		14.00000	-14.00000	114.00000	0.27423	-2.7275	2.1158	-	-	-
		14.80000	-14.00000	114.00000	-0.024689	-2.4760	2.0337	-	-	-
		15.60000	-14.00000	114.00000	-0.31296	-2.1725	1.9006	-	-	-
		16.40000	-14.00000	114.00000	-0.55971	-1.8479	1.7296	-	-	-
		17.20000	-14.00000	114.00000	-0.74372	-1.5284	1.5346	-	-	-
		18.00000	-14.00000	114.00000	-0.90337	-1.3269	1.4241	-	-	-
		18.80000	-14.00000	114.00000	-0.97759	-1.1313	1.2863	-	-	-
		19.60000	-14.00000	114.00000	-0.96738	-0.93538	1.1239	-	-	-
		20.40000	-14.00000	114.00000	-0.88183	-0.74084	0.94984	-	-	-
		21.20000	-14.00000	114.00000	-0.73001	-0.54780	0.77561	-	-	-
		22.00000	-14.00000	114.00000	-0.58025	-0.39692	0.60915	-	-	-
		22.80000	-14.00000	114.00000	-0.46527	-0.29463	0.45365	-	-	-
		23.60000	-14.00000	114.00000	-0.32659	-0.19376	0.30650	-	-	-
		24.40000	-14.00000	114.00000	-0.21998	-0.12570	0.20997	-	-	-
		25.20000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-14.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-15.00000	114.00000	0.10867	-0.057091	0.12716	-	-	-
		-6.80000	-15.00000	114.00000	0.20437	-0.12065	0.24008	-	-	-
		-6.00000	-15.00000	114.00000	0.28365	-0.19101	0.35035	-	-	-
		-5.20000	-15.00000	114.00000	0.34386	-0.26912	0.46387	-	-	-
		-4.40000	-15.00000	114.00000	0.40750	-0.37974	0.58170	-	-	-
		-3.60000	-15.00000	114.00000	0.49717	-0.56491	0.73449	-	-	-
		-2.80000	-15.00000	114.00000	0.55612	-0.78457	0.90562	-	-	-
		-2.00000	-15.00000	114.00000	0.57927	-1.0390	1.0878	-	-	-
		-1.20000	-15.00000	114.00000	0.56379	-1.3270	1.2739	-	-	-
		-0.40000	-15.00000	114.00000	0.50861	-1.6426	1.4546	-	-	-
		0.40000	-15.00000	114.00000	0.41597	-1.9725	1.6191	-	-	-
		1.20000	-15.00000	114.00000	0.29279	-2.2958	1.7553	-	-	-
		2.00000	-15.00000	114.00000	0.40167	-3.3472	2.5468	-	-	-
		2.80000	-15.00000	114.00000	0.41049	-3.4207	2.6083	-	-	-
		3.60000	-15.00000	114.00000	0.41936	-3.4946	2.6701	-	-	-
		4.40000	-15.00000	114.00000	0.42827	-3.5689	2.7322	-	-	-
		5.20000	-15.00000	114.00000	0.43724	-3.6437	2.7945	-	-	-
		6.00000	-15.00000	114.00000	0.44626	-3.7188	2.8571	-	-	-
		6.80000	-15.00000	114.00000	0.45533	-3.7944	2.9198	-	-	-
		7.60000	-15.00000	114.00000	0.46446	-3.8705	2.9827	-	-	-
		8.40000	-15.00000	114.00000	0.47365	-3.9471	3.0456	-	-	-
		9.20000	-15.00000	114.00000	0.48290	-4.0242	3.1085	-	-	-
		10.00000	-15.00000	114.00000	0.49221	-4.1018	3.1713	-	-	-
		10.80000	-15.00000	114.00000	0.50159	-4.1799	3.2340	-	-	-
		11.60000	-15.00000	114.00000	0.51103	-4.2586	3.2966	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		12.40000	-15.00000	114.00000	0.52054	-4.3378	3.3588	-	-	-
		13.20000	-15.00000	114.00000	0.53011	-4.4176	3.4208	-	-	-
		14.00000	-15.00000	114.00000	0.384891	-3.3722	2.6189	-	-	-
		14.80000	-15.00000	114.00000	-0.060581	-2.9960	2.4934	-	-	-
		15.60000	-15.00000	114.00000	-0.48576	-2.5574	2.3090	-	-	-
		16.40000	-15.00000	114.00000	-0.83749	-2.1108	2.0853	-	-	-
		17.20000	-15.00000	114.00000	-1.1333	-1.7900	1.9367	-	-	-
		18.00000	-15.00000	114.00000	-1.3380	-1.5573	1.8161	-	-	-
		18.80000	-15.00000	114.00000	-1.4168	-1.3295	1.6436	-	-	-
		19.60000	-15.00000	114.00000	-1.3886	-1.1097	1.4373	-	-	-
		20.40000	-15.00000	114.00000	-1.2726	-0.89834	1.2156	-	-	-
		21.20000	-15.00000	114.00000	-1.0851	-0.69398	0.99451	-	-	-
		22.00000	-15.00000	114.00000	-0.83772	-0.49454	0.78580	-	-	-
		22.80000	-15.00000	114.00000	-0.83382	-0.47647	0.78580	-	-	-
		23.60000	-15.00000	114.00000	-0.60767	-0.34724	0.55814	-	-	-
		24.40000	-15.00000	114.00000	-0.38152	-0.21801	0.35300	-	-	-
		25.20000	-15.00000	114.00000	-0.15536	-0.088779	0.15143	-	-	-
		26.00000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-15.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-16.00000	114.00000	0.084567	-0.031846	0.091743	-	-	-
		-7.60000	-16.00000	114.00000	0.20789	-0.086403	0.21945	-	-	-
		-6.80000	-16.00000	114.00000	0.31745	-0.14729	0.34372	-	-	-
		-6.00000	-16.00000	114.00000	0.41056	-0.21568	0.47457	-	-	-
		-5.20000	-16.00000	114.00000	0.51720	-0.31307	0.61618	-	-	-
		-4.40000	-16.00000	114.00000	0.64705	-0.46156	0.76730	-	-	-
		-3.60000	-16.00000	114.00000	0.72818	-0.63070	0.92191	-	-	-
		-2.80000	-16.00000	114.00000	0.78204	-0.85292	1.1097	-	-	-
		-2.00000	-16.00000	114.00000	0.80954	-1.1421	1.3341	-	-	-
		-1.20000	-16.00000	114.00000	0.78760	-1.4873	1.5661	-	-	-
		-0.40000	-16.00000	114.00000	0.71073	-1.8865	1.7956	-	-	-
		0.40000	-16.00000	114.00000	0.57817	-2.3269	2.0099	-	-	-
		1.20000	-16.00000	114.00000	0.39758	-2.7798	2.1943	-	-	-
		2.00000	-16.00000	114.00000	0.49611	-4.1343	3.1975	-	-	-
		2.80000	-16.00000	114.00000	0.50551	-4.2126	3.2601	-	-	-
		3.60000	-16.00000	114.00000	0.51498	-4.2915	3.3225	-	-	-
		4.40000	-16.00000	114.00000	0.52452	-4.3710	3.3847	-	-	-
		5.20000	-16.00000	114.00000	0.53412	-4.4510	3.4465	-	-	-
		6.00000	-16.00000	114.00000	0.54380	-4.5317	3.5078	-	-	-
		6.80000	-16.00000	114.00000	0.55355	-4.6129	3.5687	-	-	-
		7.60000	-16.00000	114.00000	0.56338	-4.6948	3.6290	-	-	-
		8.40000	-16.00000	114.00000	0.57328	-4.7774	3.6887	-	-	-
		9.20000	-16.00000	114.00000	0.58327	-4.8606	3.7476	-	-	-
		10.00000	-16.00000	114.00000	0.59333	-4.9444	3.8057	-	-	-
		10.80000	-16.00000	114.00000	0.60348	-5.0290	3.8630	-	-	-
		11.60000	-16.00000	114.00000	0.61371	-5.1142	3.9193	-	-	-
		12.40000	-16.00000	114.00000	0.62403	-5.2002	3.9745	-	-	-
		13.20000	-16.00000	114.00000	0.63443	-5.2869	4.0286	-	-	-
		14.00000	-16.00000	114.00000	0.64493	-5.3744	4.0815	-	-	-
		14.80000	-16.00000	114.00000	-0.12948	-3.5318	2.9047	-	-	-
		15.60000	-16.00000	114.00000	-0.76852	-2.8810	2.6533	-	-	-
		16.40000	-16.00000	114.00000	-1.2880	-2.3127	2.4238	-	-	-
		17.20000	-16.00000	114.00000	-1.7185	-2.0183	2.3740	-	-	-
		18.00000	-16.00000	114.00000	-1.9368	-1.7386	2.2333	-	-	-
		18.80000	-16.00000	114.00000	-1.9843	-1.4783	2.0227	-	-	-
		19.60000	-16.00000	114.00000	-1.9034	-1.2371	1.7679	-	-	-
		20.40000	-16.00000	114.00000	-1.7276	-1.0121	1.4937	-	-	-
		21.20000	-16.00000	114.00000	-1.8895	-1.0797	1.6052	-	-	-
		22.00000	-16.00000	114.00000	-1.4512	-0.82925	1.2644	-	-	-
		22.80000	-16.00000	114.00000	-1.0135	-0.57916	0.96986	-	-	-
		23.60000	-16.00000	114.00000	-0.76921	-0.43955	0.71757	-	-	-
		24.40000	-16.00000	114.00000	-0.54306	-0.31032	0.49796	-	-	-
		25.20000	-16.00000	114.00000	-0.31690	-0.18109	0.29601	-	-	-
		26.00000	-16.00000	114.00000	-0.090748	-0.051856	0.091212	-	-	-
		26.80000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-16.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-17.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-17.00000	114.00000	0.022087	-0.0058904	0.024223	-	-	-
		-8.40000	-17.00000	114.00000	0.17229	-0.049923	0.16914	-	-	-
		-7.60000	-17.00000	114.00000	0.31210	-0.099133	0.30480	-	-	-
		-6.80000	-17.00000	114.00000	0.43928	-0.15460	0.44676	-	-	-
		-6.00000	-17.00000	114.00000	0.56085	-0.22159	0.60401	-	-	-
		-5.20000	-17.00000	114.00000	0.76616	-0.34543	0.77929	-	-	-
		-4.40000	-17.00000	114.00000	0.93053	-0.48884	0.96932	-	-	-
		-3.60000	-17.00000	114.00000	1.0455	-0.65783	1.1653	-	-	-
		-2.80000	-17.00000	114.00000	1.0984	-0.85963	1.3537	-	-	-
		-2.00000	-17.00000	114.00000	1.0948	-1.1242	1.5488	-	-	-
		-1.20000	-17.00000	114.00000	1.0779	-1.5207	1.8216	-	-	-
		-0.40000	-17.00000	114.00000	0.98428	-2.0130	2.0971	-	-	-
		0.40000	-17.00000	114.00000	0.80403	-2.5966	2.3637	-	-	-
		1.20000	-17.00000	114.00000	0.54182	-3.2376	2.6057	-	-	-
		2.00000	-17.00000	114.00000	0.59755	-4.9796	3.8297	-	-	-
		2.80000	-17.00000	114.00000	0.60773	-5.0644	3.8866	-	-	-
		3.60000	-17.00000	114.00000	0.61800	-5.1500	3.9424	-	-	-
		4.40000	-17.00000	114.00000	0.62835	-5.2363	3.9972	-	-	-
		5.20000	-17.00000	114.00000	0.63879	-5.3233	4.0508	-	-	-
		6.00000	-17.00000	114.00000	0.64933	-5.4111	4.1031	-	-	-
		6.80000	-17.00000	114.00000	0.65996	-5.4996	4.1541	-	-	-
		7.60000	-17.00000	114.00000	0.67068	-5.5890	4.2036	-	-	-
		8.40000	-17.00000	114.00000	0.68149	-5.6791	4.2515	-	-	-
		9.20000	-17.00000	114.00000	0.69241	-5.7701	4.2978	-	-	-
		10.00000	-17.00000	114.00000	0.70342	-5.8619	4.3424	-	-	-
		10.80000	-17.00000	114.00000	0.71454	-5.9545	4.3851	-	-	-
		11.60000	-17.00000	114.00000	0.72576	-6.0480	4.4259	-	-	-
		12.40000	-17.00000	114.00000	0.73709	-6.1424	4.4645	-	-	-
		13.20000	-17.00000	114.00000	0.74852	-6.2377	4.5011	-	-	-
		14.00000	-17.00000	114.00000	0.76006	-6.3338	4.5353	-	-	-
		14.80000	-17.00000	114.00000	-0.27310	-4.0581	3.1908	-	-	-
		15.60000	-17.00000	114.00000	-1.2765	-3.0430	2.8505	-	-	-
		16.40000	-17.00000	114.00000	-2.1214	-2.5333	2.8583	-	-	-
		17.20000	-17.00000	114.00000	-2.5939	-2.1656	2.8190	-	-	-
		18.00000	-17.00000	114.00000	-2.7508	-1.8433	2.6549	-	-	-
		18.80000	-17.00000	114.00000	-2.6984	-1.5596	2.4009	-	-	-
		19.60000	-17.00000	114.00000	-3.1229	-1.7845	2.7341	-	-	-
		20.40000	-17.00000	114.00000	-2.6570	-1.5183	2.2904	-	-	-
		21.20000	-17.00000	114.00000	-2.2057	-1.2604	1.8764	-	-	-
		22.00000	-17.00000	114.00000	-1.7639	-1.0079	1.5031	-	-	-
		22.80000	-17.00000	114.00000	-1.3263	-0.75789	1.1756	-	-	-
		23.60000	-17.00000	114.00000	-0.93075	-0.53186	0.89378	-	-	-
		24.40000	-17.00000	114.00000	-0.70459	-0.40263	0.65204	-	-	-
		25.20000	-17.00000	114.00000	-0.47844	-0.27339	0.43925	-	-	-
		26.00000	-17.00000	114.00000	-0.25229	-0.14416	0.23882	-	-	-
		26.80000	-17.00000	114.00000	-0.026133	-0.014933	0.028680	-	-	-
		27.60000	-17.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-17.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-17.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-17.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-18.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-18.00000	114.00000	0.090574	-0.017831	0.086559	-	-	-
		-8.40000	-18.00000	114.00000	0.25806	-0.054786	0.23473	-	-	-
		-7.60000	-18.00000	114.00000	0.41705	-0.096258	0.38265	-	-	-
		-6.80000	-18.00000	114.00000	0.56551	-0.14331	0.54559	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-6.00000	-18.00000	114.00000	0.78787	-0.22186	0.73202	-	-	-
		-5.20000	-18.00000	114.00000	1.0386	-0.32991	0.94367	-	-	-
		-4.40000	-18.00000	114.00000	1.2544	-0.45810	1.1757	-	-	-
		-3.60000	-18.00000	114.00000	1.4259	-0.61393	1.4171	-	-	-
		-2.80000	-18.00000	114.00000	1.5373	-0.80761	1.6506	-	-	-
		-2.00000	-18.00000	114.00000	1.5637	-1.0530	1.8543	-	-	-
		-1.20000	-18.00000	114.00000	1.4680	-1.3680	2.0023	-	-	-
		-0.40000	-18.00000	114.00000	1.3711	-1.9344	2.3006	-	-	-
		0.40000	-18.00000	114.00000	1.1432	-2.6906	2.6123	-	-	-
		1.20000	-18.00000	114.00000	0.76202	-3.6135	2.9190	-	-	-
		2.00000	-18.00000	114.00000	0.70804	-5.9004	4.3604	-	-	-
		2.80000	-18.00000	114.00000	0.71920	-5.9934	4.4023	-	-	-
		3.60000	-18.00000	114.00000	0.73047	-6.0872	4.4422	-	-	-
		4.40000	-18.00000	114.00000	0.74184	-6.1820	4.4800	-	-	-
		5.20000	-18.00000	114.00000	0.75332	-6.2776	4.5156	-	-	-
		6.00000	-18.00000	114.00000	0.76490	-6.3742	4.5489	-	-	-
		6.80000	-18.00000	114.00000	0.77660	-6.4717	4.5797	-	-	-
		7.60000	-18.00000	114.00000	0.78842	-6.5701	4.6080	-	-	-
		8.40000	-18.00000	114.00000	0.80034	-6.6695	4.6336	-	-	-
		9.20000	-18.00000	114.00000	0.81239	-6.7699	4.6564	-	-	-
		10.00000	-18.00000	114.00000	0.82455	-6.8713	4.6763	-	-	-
		10.80000	-18.00000	114.00000	0.83684	-6.9736	4.6931	-	-	-
		11.60000	-18.00000	114.00000	0.84925	-7.0770	4.7069	-	-	-
		12.40000	-18.00000	114.00000	0.86178	-7.1815	4.7173	-	-	-
		13.20000	-18.00000	114.00000	0.87444	-7.2870	4.7243	-	-	-
		14.00000	-18.00000	114.00000	0.88722	-7.3935	4.7278	-	-	-
		14.80000	-18.00000	114.00000	-0.64145	-4.4528	3.2406	-	-	-
		15.60000	-18.00000	114.00000	-2.5161	-3.1279	3.1199	-	-	-
		16.40000	-18.00000	114.00000	-3.5622	-2.5868	3.3020	-	-	-
		17.20000	-18.00000	114.00000	-5.0669	-2.8954	4.3098	-	-	-
		18.00000	-18.00000	114.00000	-4.5018	-2.5725	3.9412	-	-	-
		18.80000	-18.00000	114.00000	-3.9704	-2.2688	3.5143	-	-	-
		19.60000	-18.00000	114.00000	-3.4675	-1.9814	3.0604	-	-	-
		20.40000	-18.00000	114.00000	-2.9880	-1.7074	2.6051	-	-	-
		21.20000	-18.00000	114.00000	-2.5268	-1.4439	2.1685	-	-	-
		22.00000	-18.00000	114.00000	-2.0787	-1.1879	1.7653	-	-	-
		22.80000	-18.00000	114.00000	-1.6386	-0.93637	1.4047	-	-	-
		23.60000	-18.00000	114.00000	-1.2014	-0.68649	1.0905	-	-	-
		24.40000	-18.00000	114.00000	-0.86613	-0.49493	0.82101	-	-	-
		25.20000	-18.00000	114.00000	-0.63998	-0.36570	0.58892	-	-	-
		26.00000	-18.00000	114.00000	-0.41382	-0.23647	0.38158	-	-	-
		26.80000	-18.00000	114.00000	-0.18767	-0.10724	0.18087	-	-	-
		27.60000	-18.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-18.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-18.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-18.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-19.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-19.00000	114.00000	0.15056	-0.020269	0.13329	-	-	-
		-8.40000	-19.00000	114.00000	0.33671	-0.048392	0.28777	-	-	-
		-7.60000	-19.00000	114.00000	0.51688	-0.079885	0.44933	-	-	-
		-6.80000	-19.00000	114.00000	0.68953	-0.11561	0.63339	-	-	-
		-6.00000	-19.00000	114.00000	1.0132	-0.18626	0.84836	-	-	-
		-5.20000	-19.00000	114.00000	1.3208	-0.26977	1.0957	-	-	-
		-4.40000	-19.00000	114.00000	1.6047	-0.37038	1.3697	-	-	-
		-3.60000	-19.00000	114.00000	1.8578	-0.49547	1.6580	-	-	-
		-2.80000	-19.00000	114.00000	2.0656	-0.65612	1.9410	-	-	-
		-2.00000	-19.00000	114.00000	2.2012	-0.86969	2.1921	-	-	-
		-1.20000	-19.00000	114.00000	2.2159	-1.1641	2.3782	-	-	-
		-0.40000	-19.00000	114.00000	2.0244	-1.5844	2.4603	-	-	-
		0.40000	-19.00000	114.00000	1.6992	-2.3972	2.6667	-	-	-
		1.20000	-19.00000	114.00000	1.1557	-3.7324	3.0336	-	-	-
		2.00000	-19.00000	114.00000	0.82966	-6.9138	4.6837	-	-	-
		2.80000	-19.00000	114.00000	0.84199	-7.0166	4.6992	-	-	-
		3.60000	-19.00000	114.00000	0.85445	-7.1204	4.7116	-	-	-
		4.40000	-19.00000	114.00000	0.86704	-7.2253	4.7206	-	-	-
		5.20000	-19.00000	114.00000	0.87975	-7.3312	4.7262	-	-	-
		6.00000	-19.00000	114.00000	0.89259	-7.4382	4.7282	-	-	-
		6.80000	-19.00000	114.00000	0.90556	-7.5463	4.7264	-	-	-
		7.60000	-19.00000	114.00000	0.91866	-7.6555	4.7208	-	-	-
		8.40000	-19.00000	114.00000	0.93190	-7.7658	4.7112	-	-	-
		9.20000	-19.00000	114.00000	0.94527	-7.8773	4.6975	-	-	-
		10.00000	-19.00000	114.00000	0.95878	-7.9898	4.6795	-	-	-
		10.80000	-19.00000	114.00000	0.97243	-8.1036	4.6570	-	-	-
		11.60000	-19.00000	114.00000	0.98623	-8.2185	4.6300	-	-	-
		12.40000	-19.00000	114.00000	1.0002	-8.3347	4.5983	-	-	-
		13.20000	-19.00000	114.00000	1.0142	-8.4520	4.5617	-	-	-
		14.00000	-19.00000	114.00000	1.0285	-8.5706	4.5201	-	-	-
		14.80000	-19.00000	114.00000	-2.4779	-3.9137	2.9158	-	-	-
		15.60000	-19.00000	114.00000	-6.8114	-3.8923	4.7087	-	-	-
		16.40000	-19.00000	114.00000	-6.1289	-3.5022	4.6982	-	-	-
		17.20000	-19.00000	114.00000	-5.4941	-3.1395	4.5174	-	-	-
		18.00000	-19.00000	114.00000	-4.9017	-2.8010	4.2124	-	-	-
		18.80000	-19.00000	114.00000	-4.3467	-2.4839	3.8237	-	-	-
		19.60000	-19.00000	114.00000	-3.8240	-2.1851	3.3862	-	-	-
		20.40000	-19.00000	114.00000	-3.3283	-1.9019	2.9295	-	-	-
		21.20000	-19.00000	114.00000	-2.8546	-1.6312	2.4777	-	-	-
		22.00000	-19.00000	114.00000	-2.3977	-1.3701	2.0494	-	-	-
		22.80000	-19.00000	114.00000	-1.9524	-1.1157	1.6577	-	-	-
		23.60000	-19.00000	114.00000	-1.5136	-0.86494	1.3102	-	-	-
		24.40000	-19.00000	114.00000	-1.0762	-0.61498	1.0092	-	-	-
		25.20000	-19.00000	114.00000	-0.80152	-0.45801	0.75133	-	-	-
		26.00000	-19.00000	114.00000	-0.57536	-0.32878	0.52784	-	-	-
		26.80000	-19.00000	114.00000	-0.34921	-0.19955	0.32449	-	-	-
		27.60000	-19.00000	114.00000	-0.12306	-0.070318	0.12157	-	-	-
		28.40000	-19.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-19.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-19.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-20.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-20.00000	114.00000	0.19680	-0.015653	0.16422	-	-	-
		-8.40000	-20.00000	114.00000	0.40205	-0.033584	0.32574	-	-	-
		-7.60000	-20.00000	114.00000	0.60426	-0.053321	0.49963	-	-	-
		-6.80000	-20.00000	114.00000	0.83760	-0.078631	0.70179	-	-	-
		-6.00000	-20.00000	114.00000	1.2184	-0.122274	0.94113	-	-	-
		-5.20000	-20.00000	114.00000	1.5899	-0.17375	1.2194	-	-	-
		-4.40000	-20.00000	114.00000	1.9536	-0.23482	1.5314	-	-	-
		-3.60000	-20.00000	114.00000	2.3084	-0.31076	1.8644	-	-	-
		-2.80000	-20.00000	114.00000	2.6479	-0.40924	2.1986	-	-	-
		-2.00000	-20.00000	114.00000	2.9562	-0.54342	2.5058	-	-	-
		-1.20000	-20.00000	114.00000	3.1971	-0.73793	2.7492	-	-	-
		-0.40000	-20.00000	114.00000	3.2874	-1.0442	2.8805	-	-	-
		0.40000	-20.00000	114.00000	3.0169	-1.5849	2.8320	-	-	-
		1.20000	-20.00000	114.00000	2.0719	-2.9231	2.7780	-	-	-
		2.00000	-20.00000	114.00000	0.96445	-8.0371	4.6707	-	-	-
		2.80000	-20.00000	114.00000	0.97816	-8.1514	4.6463	-	-	-
		3.60000	-20.00000	114.00000	0.99201	-8.2668	4.6174	-	-	-
		4.40000	-20.00000	114.00000	1.0060	-8.3834	4.5837	-	-	-
		5.20000	-20.00000	114.00000	1.0202	-8.5013	4.5450	-	-	-
		6.00000	-20.00000	114.00000	1.0344	-8.6204	4.5013	-	-	-
		6.80000	-20.00000	114.00000	1.0489	-8.7407	4.4524	-	-	-
		7.60000	-20.00000	114.00000	1.0635	-8.8623	4.3980	-	-	-
		8.40000	-20.00000	114.00000	1.0782	-8.9851	4.3382	-	-	-
		9.20000	-20.00000	114.00000	1.0931	-9.1093	4.2726	-	-	-
		10.00000	-20.00000	114.00000	1.1082	-9.2348	4.2012	-	-	-
		10.80000	-20.00000	114.00000				Point lies within an excavation.		
		11.60000	-20.00000	114.00000				Point lies within an excavation.		
		12.40000	-20.00000	114.00000				Point lies within an excavation.		
		13.20000	-20.00000	114.00000				Point lies within an excavation.		
		14.00000	-20.00000	114.00000				Point lies within an excavation.		
		14.80000	-20.00000	114.00000	-8.1072	-4.6327	4.1797	-	-	-
		15.60000	-20.00000	114.00000	-7.3310	-4.1891	4.5837	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		16.40000	-20.00000	114.00000	-6.6113	-3.7779	4.7259	-	-	-
		17.20000	-20.00000	114.00000	-5.9429	-3.3959	4.6618	-	-	-
		18.00000	-20.00000	114.00000	-5.3207	-3.0404	4.4411	-	-	-
		18.80000	-20.00000	114.00000	-4.7396	-2.7083	4.1083	-	-	-
		19.60000	-20.00000	114.00000	-4.1943	-2.3968	3.7023	-	-	-
		20.40000	-20.00000	114.00000	-3.6798	-2.1028	3.2565	-	-	-
		21.20000	-20.00000	114.00000	-3.1910	-1.8234	2.7990	-	-	-
		22.00000	-20.00000	114.00000	-2.7226	-1.5558	2.3523	-	-	-
		22.80000	-20.00000	114.00000	-2.2695	-1.2969	1.9333	-	-	-
		23.60000	-20.00000	114.00000	-1.8266	-1.0438	1.5537	-	-	-
		24.40000	-20.00000	114.00000	-1.3887	-0.79357	1.2195	-	-	-
		25.20000	-20.00000	114.00000	-0.96306	-0.55032	0.93140	-	-	-
		26.00000	-20.00000	114.00000	-0.73690	-0.42109	0.68449	-	-	-
		26.80000	-20.00000	114.00000	-0.51075	-0.29186	0.46845	-	-	-
		27.60000	-20.00000	114.00000	-0.28459	-0.16263	0.26747	-	-	-
		28.40000	-20.00000	114.00000	-0.058440	-0.033394	0.060277	-	-	-
		29.20000	-20.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-20.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-21.00000	114.00000	0.0099447	-662.98E-6	0.011277	-	-	-
		-9.20000	-21.00000	114.00000	0.30862	-0.020574	0.25326	-	-	-
		-8.40000	-21.00000	114.00000	0.60729	-0.040486	0.48457	-	-	-
		-7.60000	-21.00000	114.00000	0.90596	-0.060397	0.73748	-	-	-
		-6.80000	-21.00000	114.00000	1.2826	-0.085506	1.0347	-	-	-
		-6.00000	-21.00000	114.00000	1.8602	-0.12401	1.3894	-	-	-
		-5.20000	-21.00000	114.00000	2.4417	-0.16278	1.8052	-	-	-
		-4.40000	-21.00000	114.00000	3.0362	-0.20241	2.2762	-	-	-
		-3.60000	-21.00000	114.00000	3.6525	-0.24350	2.7869	-	-	-
		-2.80000	-21.00000	114.00000	4.2997	-0.28665	3.3123	-	-	-
		-2.00000	-21.00000	114.00000	4.9867	-0.33245	3.8179	-	-	-
		-1.20000	-21.00000	114.00000	5.7225	-0.38150	4.2595	-	-	-
		-0.40000	-21.00000	114.00000	6.5161	-0.43441	4.5834	-	-	-
		0.40000	-21.00000	114.00000	7.3765	-0.49177	4.7265	-	-	-
		1.20000	-21.00000	114.00000	8.3126	-0.55417	4.6161	-	-	-
		2.00000	-21.00000	114.00000	3.7042	-3.5133	2.9566	-	-	-
		2.80000	-21.00000	114.00000				Point lies within an excavation.		
		3.60000	-21.00000	114.00000				Point lies within an excavation.		
		4.40000	-21.00000	114.00000				Point lies within an excavation.		
		5.20000	-21.00000	114.00000				Point lies within an excavation.		
		6.00000	-21.00000	114.00000				Point lies within an excavation.		
		6.80000	-21.00000	114.00000				Point lies within an excavation.		
		7.60000	-21.00000	114.00000				Point lies within an excavation.		
		8.40000	-21.00000	114.00000				Point lies within an excavation.		
		9.20000	-21.00000	114.00000				Point lies within an excavation.		
		10.00000	-21.00000	114.00000				Point lies within an excavation.		
		10.80000	-21.00000	114.00000				Point lies within an excavation.		
		11.60000	-21.00000	114.00000				Point lies within an excavation.		
		12.40000	-21.00000	114.00000				Point lies within an excavation.		
		13.20000	-21.00000	114.00000				Point lies within an excavation.		
		14.00000	-21.00000	114.00000				Point lies within an excavation.		
		14.80000	-21.00000	114.00000				Point lies within an excavation.		
		15.60000	-21.00000	114.00000	-7.8794	-4.5025	4.3253	-	-	-
		16.40000	-21.00000	114.00000	-7.1198	-4.0685	4.6485	-	-	-
		17.20000	-21.00000	114.00000	-6.4153	-3.6659	4.7264	-	-	-
		18.00000	-21.00000	114.00000	-5.7606	-3.2918	4.6127	-	-	-
		18.80000	-21.00000	114.00000	-5.1507	-2.9433	4.3556	-	-	-
		19.60000	-21.00000	114.00000	-4.5803	-2.6173	3.9982	-	-	-
		20.40000	-21.00000	114.00000	-4.0444	-2.3111	3.5776	-	-	-
		21.20000	-21.00000	114.00000	-3.5378	-2.0216	3.1259	-	-	-
		22.00000	-21.00000	114.00000	-3.0553	-1.7459	2.6694	-	-	-
		22.80000	-21.00000	114.00000	-2.5918	-1.4810	2.2291	-	-	-
		23.60000	-21.00000	114.00000	-2.1422	-1.2241	1.8204	-	-	-
		24.40000	-21.00000	114.00000	-1.7012	-0.97212	1.4534	-	-	-
		25.20000	-21.00000	114.00000	-1.2638	-0.72220	1.1326	-	-	-
		26.00000	-21.00000	114.00000	-0.89844	-0.51339	0.85700	-	-	-
		26.80000	-21.00000	114.00000	-0.67229	-0.38416	0.62020	-	-	-
		27.60000	-21.00000	114.00000	-0.44613	-0.25493	0.41032	-	-	-
		28.40000	-21.00000	114.00000	-0.14701	-0.082864	0.14067	-	-	-
		29.20000	-21.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-21.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-22.00000	114.00000	0.034834	-0.0023223	0.032807	-	-	-
		-9.20000	-22.00000	114.00000	0.33351	-0.022234	0.27243	-	-	-
		-8.40000	-22.00000	114.00000	0.63218	-0.042145	0.50445	-	-	-
		-7.60000	-22.00000	114.00000	0.93085	-0.062057	0.76031	-	-	-
		-6.80000	-22.00000	114.00000	1.3308	-0.088720	1.0619	-	-	-
		-6.00000	-22.00000	114.00000	1.9084	-0.12723	1.4217	-	-	-
		-5.20000	-22.00000	114.00000	2.4907	-0.16604	1.8425	-	-	-
		-4.40000	-22.00000	114.00000	3.0866	-0.205777	2.3175	-	-	-
		-3.60000	-22.00000	114.00000	3.7051	-0.24701	2.8306	-	-	-
		-2.80000	-22.00000	114.00000	4.3553	-0.29035	3.3558	-	-	-
		-2.00000	-22.00000	114.00000	5.0460	-0.33640	3.8578	-	-	-
		-1.20000	-22.00000	114.00000	5.7863	-0.38576	4.2918	-	-	-
		-0.40000	-22.00000	114.00000	6.5852	-0.43901	4.6032	-	-	-
		0.40000	-22.00000	114.00000	7.4515	-0.49677	4.7281	-	-	-
		1.20000	-22.00000	114.00000	8.3943	-0.55962	4.5929	-	-	-
		2.00000	-22.00000	114.00000				Point lies within an excavation.		
		2.80000	-22.00000	114.00000				Point lies within an excavation.		
		3.60000	-22.00000	114.00000				Point lies within an excavation.		
		4.40000	-22.00000	114.00000				Point lies within an excavation.		
		5.20000	-22.00000	114.00000				Point lies within an excavation.		
		6.00000	-22.00000	114.00000				Point lies within an excavation.		
		6.80000	-22.00000	114.00000				Point lies within an excavation.		
		7.60000	-22.00000	114.00000				Point lies within an excavation.		
		8.40000	-22.00000	114.00000				Point lies within an excavation.		
		9.20000	-22.00000	114.00000				Point lies within an excavation.		
		10.00000	-22.00000	114.00000				Point lies within an excavation.		
		10.80000	-22.00000	114.00000				Point lies within an excavation.		
		11.60000	-22.00000	114.00000				Point lies within an excavation.		
		12.40000	-22.00000	114.00000				Point lies within an excavation.		
		13.20000	-22.00000	114.00000				Point lies within an excavation.		
		14.00000	-22.00000	114.00000				Point lies within an excavation.		
		14.80000	-22.00000	114.00000				Point lies within an excavation.		
		15.60000	-22.00000	114.00000				Point lies within an excavation.		
		16.40000	-22.00000	114.00000	-7.6564	-4.3751	4.4460	-	-	-
		17.20000	-22.00000	114.00000	-6.9131	-3.9504	4.6933	-	-	-
		18.00000	-22.00000	114.00000	-6.2234	-3.5562	4.7112	-	-	-
		18.80000	-22.00000	114.00000	-5.5820	-3.1897	4.5519	-	-	-
		19.60000	-22.00000	114.00000	-4.9839	-2.8480	4.2620	-	-	-
		20.40000	-22.00000	114.00000	-4.4239	-2.5280	3.8830	-	-	-
		21.20000	-22.00000	114.00000	-3.8969	-2.2268	3.4505	-	-	-
		22.00000	-22.00000	114.00000	-3.3977	-1.9415	2.9950	-	-	-
		22.80000	-22.00000	114.00000	-2.9211	-1.6692	2.5412	-	-	-
		23.60000	-22.00000	114.00000	-2.4621	-1.4069	2.1086	-	-	-
		24.40000	-22.00000	114.00000	-2.0155	-1.1517	1.7110	-	-	-
		25.20000	-22.00000	114.00000	-1.5761	-0.90064	1.3570	-	-	-
		26.00000	-22.00000	114.00000	-1.1388	-0.65075	1.0494	-	-	-
		26.80000	-22.00000	114.00000	-0.55439	-0.30878	0.52474	-	-	-
		27.60000	-22.00000	114.00000	-0.39253	-0.20877	0.36488	-	-	-
		28.40000	-22.00000	114.00000	-0.23481	-0.11957	0.22188	-	-	-
		29.20000	-22.00000	114.00000	-0.080572	-0.039382	0.081471	-	-	-
		30.00000	-22.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-23.00000	114.00000	0.059723	-0.0039816	0.054005	-	-	-
		-9.20000	-23.00000	114.00000	0.35840	-0.023893	0.29156	-	-	-
		-8.40000	-23.00000	114.00000	0.65707	-0.043805	0.52449	-	-	-
		-7.60000	-23.00000	114.00000	0.95574	-0.063716	0.78346	-	-	-
		-6.80000	-23.00000	114.00000	1.3790	-0.091931	1.0896	-	-	-
		-6.00000	-23.00000	114.00000	1.9566	-0.13044	1.4545	-	-	-
		-5.20000	-23.00000	114.00000	2.5397	-0.16931	1.8802	-	-	-
		-4.40000	-23.00000	114.00000	3.1371	-0.20914	2.3591	-	-	-
		-3.60000	-23.00000	114.00000	3.7580	-0.25053	2.8743	-	-	-
		-2.80000	-23.00000	114.00000	4.4112	-0.29408	3.3990	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-2.00000	-23.00000	114.00000	5.1057	-0.34038	3.8973	-	-	-
		-1.20000	-23.00000	114.00000	5.8505	-0.39004	4.3232	-	-	-
		-0.40000	-23.00000	114.00000	6.6546	-0.44364	4.6217	-	-	-
		0.40000	-23.00000	114.00000	7.5270	-0.50180	4.7278	-	-	-
		1.20000	-23.00000	114.00000	8.4766	-0.56510	4.5673	-	-	-
		2.00000	-23.00000	114.00000				Point lies within an excavation.		
		2.80000	-23.00000	114.00000				Point lies within an excavation.		
		3.60000	-23.00000	114.00000				Point lies within an excavation.		
		4.40000	-23.00000	114.00000				Point lies within an excavation.		
		5.20000	-23.00000	114.00000				Point lies within an excavation.		
		6.00000	-23.00000	114.00000				Point lies within an excavation.		
		6.80000	-23.00000	114.00000				Point lies within an excavation.		
		7.60000	-23.00000	114.00000				Point lies within an excavation.		
		8.40000	-23.00000	114.00000				Point lies within an excavation.		
		9.20000	-23.00000	114.00000				Point lies within an excavation.		
		10.00000	-23.00000	114.00000				Point lies within an excavation.		
		10.80000	-23.00000	114.00000				Point lies within an excavation.		
		11.60000	-23.00000	114.00000				Point lies within an excavation.		
		12.40000	-23.00000	114.00000				Point lies within an excavation.		
		13.20000	-23.00000	114.00000				Point lies within an excavation.		
		14.00000	-23.00000	114.00000				Point lies within an excavation.		
		14.80000	-23.00000	114.00000				Point lies within an excavation.		
		15.60000	-23.00000	114.00000				Point lies within an excavation.		
		16.40000	-23.00000	114.00000				Point lies within an excavation.		
		17.20000	-23.00000	114.00000	-7.4383	-4.2505	4.5434	-	-	-
		18.00000	-23.00000	114.00000	-6.7108	-3.8348	4.7195	-	-	-
		18.80000	-23.00000	114.00000	-6.0354	-3.4488	4.6816	-	-	-
		19.60000	-23.00000	114.00000	-5.4070	-3.0897	4.4805	-	-	-
		20.40000	-23.00000	114.00000	-4.8203	-2.7544	4.1612	-	-	-
		21.20000	-23.00000	114.00000	-4.2702	-2.4401	3.7634	-	-	-
		22.00000	-23.00000	114.00000	-3.7517	-2.1438	3.3215	-	-	-
		22.80000	-23.00000	114.00000	-3.2594	-1.8625	2.8642	-	-	-
		23.60000	-23.00000	114.00000	-2.7884	-1.5934	2.4147	-	-	-
		24.40000	-23.00000	114.00000	-2.3335	-1.3334	1.9909	-	-	-
		25.20000	-23.00000	114.00000	-1.2450	-0.68073	1.0658	-	-	-
		26.00000	-23.00000	114.00000	-0.92372	-0.47688	0.82034	-	-	-
		26.80000	-23.00000	114.00000	-0.61497	-0.30101	0.61148	-	-	-
		27.60000	-23.00000	114.00000	-0.45426	-0.21162	0.43559	-	-	-
		28.40000	-23.00000	114.00000	-0.29805	-0.13260	0.28430	-	-	-
		29.20000	-23.00000	114.00000	-0.14550	-0.062010	0.14433	-	-	-
		30.00000	-23.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-24.00000	114.00000	0.084613	-0.0056409	0.074897	-	-	-
		-9.20000	-24.00000	114.00000	0.38329	-0.025552	0.31066	-	-	-
		-8.40000	-24.00000	114.00000	0.68196	-0.045464	0.54472	-	-	-
		-7.60000	-24.00000	114.00000	0.98063	-0.065375	0.80695	-	-	-
		-6.80000	-24.00000	114.00000	1.4271	-0.095141	1.1177	-	-	-
		-6.00000	-24.00000	114.00000	2.0049	-0.13366	1.4877	-	-	-
		-5.20000	-24.00000	114.00000	2.5888	-0.17259	1.9182	-	-	-
		-4.40000	-24.00000	114.00000	3.1879	-0.21252	2.4010	-	-	-
		-3.60000	-24.00000	114.00000	3.8111	-0.25407	2.9181	-	-	-
		-2.80000	-24.00000	114.00000	4.4674	-0.29782	3.4421	-	-	-
		-2.00000	-24.00000	114.00000	5.1657	-0.34438	3.9362	-	-	-
		-1.20000	-24.00000	114.00000	5.9152	-0.39434	4.3538	-	-	-
		-0.40000	-24.00000	114.00000	6.7246	-0.44831	4.6388	-	-	-
		0.40000	-24.00000	114.00000	7.6031	-0.50687	4.7257	-	-	-
		1.20000	-24.00000	114.00000	8.5595	-0.57063	4.5394	-	-	-
		2.00000	-24.00000	114.00000				Point lies within an excavation.		
		2.80000	-24.00000	114.00000				Point lies within an excavation.		
		3.60000	-24.00000	114.00000				Point lies within an excavation.		
		4.40000	-24.00000	114.00000				Point lies within an excavation.		
		5.20000	-24.00000	114.00000				Point lies within an excavation.		
		6.00000	-24.00000	114.00000				Point lies within an excavation.		
		6.80000	-24.00000	114.00000				Point lies within an excavation.		
		7.60000	-24.00000	114.00000				Point lies within an excavation.		
		8.40000	-24.00000	114.00000				Point lies within an excavation.		
		9.20000	-24.00000	114.00000				Point lies within an excavation.		
		10.00000	-24.00000	114.00000				Point lies within an excavation.		
		10.80000	-24.00000	114.00000				Point lies within an excavation.		
		11.60000	-24.00000	114.00000				Point lies within an excavation.		
		12.40000	-24.00000	114.00000				Point lies within an excavation.		
		13.20000	-24.00000	114.00000				Point lies within an excavation.		
		14.00000	-24.00000	114.00000				Point lies within an excavation.		
		14.80000	-24.00000	114.00000				Point lies within an excavation.		
		15.60000	-24.00000	114.00000				Point lies within an excavation.		
		16.40000	-24.00000	114.00000				Point lies within an excavation.		
		17.20000	-24.00000	114.00000	-7.9927	-4.5672	4.2557	-	-	-
		18.00000	-24.00000	114.00000	-7.2248	-4.1285	4.6187	-	-	-
		18.80000	-24.00000	114.00000	-6.5128	-3.7216	4.7282	-	-	-
		19.60000	-24.00000	114.00000	-5.8513	-3.3436	4.6387	-	-	-
		20.40000	-24.00000	114.00000	-5.2353	-2.9916	4.3994	-	-	-
		21.20000	-24.00000	114.00000	-4.6596	-2.6626	4.0539	-	-	-
		22.00000	-24.00000	114.00000	-4.1191	-2.3538	3.6403	-	-	-
		22.80000	-24.00000	114.00000	-3.6086	-2.0620	3.1913	-	-	-
		23.60000	-24.00000	114.00000	-2.0283	-1.0740	1.7985	-	-	-
		24.40000	-24.00000	114.00000	-1.6602	-0.81470	1.4655	-	-	-
		25.20000	-24.00000	114.00000	-1.3229	-0.60619	1.1639	-	-	-
		26.00000	-24.00000	114.00000	-1.0071	-0.43371	0.89965	-	-	-
		26.80000	-24.00000	114.00000	-0.70483	-0.28692	0.67477	-	-	-
		27.60000	-24.00000	114.00000	-0.48842	-0.18886	0.48681	-	-	-
		28.40000	-24.00000	114.00000	-0.33675	-0.12422	0.32848	-	-	-
		29.20000	-24.00000	114.00000	-0.18837	-0.066541	0.18750	-	-	-
		30.00000	-24.00000	114.00000	-0.042672	-0.014482	0.046480	-	-	-
		-10.00000	-25.00000	114.00000	0.10950	-0.0073001	0.095508	-	-	-
		-9.20000	-25.00000	114.00000	0.40817	-0.027212	0.32976	-	-	-
		-8.40000	-25.00000	114.00000	0.70685	-0.047123	0.56516	-	-	-
		-7.60000	-25.00000	114.00000	1.0055	-0.067035	0.83078	-	-	-
		-6.80000	-25.00000	114.00000	1.4752	-0.098350	1.1462	-	-	-
		-6.00000	-25.00000	114.00000	2.0532	-0.13688	1.5213	-	-	-
		-5.20000	-25.00000	114.00000	2.6380	-0.17587	1.9566	-	-	-
		-4.40000	-25.00000	114.00000	3.2387	-0.21592	2.4431	-	-	-
		-3.60000	-25.00000	114.00000	3.8644	-0.25762	2.9619	-	-	-
		-2.80000	-25.00000	114.00000	4.5238	-0.30159	3.4850	-	-	-
		-2.00000	-25.00000	114.00000	5.2261	-0.34841	3.9746	-	-	-
		-1.20000	-25.00000	114.00000	5.9802	-0.39868	4.3834	-	-	-
		-0.40000	-25.00000	114.00000	6.7951	-0.45300	4.6546	-	-	-
		0.40000	-25.00000	114.00000	7.6797	-0.51198	4.7217	-	-	-
		1.20000	-25.00000	114.00000	8.6430	-0.57620	4.5089	-	-	-
		2.00000	-25.00000	114.00000				Point lies within an excavation.		
		2.80000	-25.00000	114.00000				Point lies within an excavation.		
		3.60000	-25.00000	114.00000				Point lies within an excavation.		
		4.40000	-25.00000	114.00000				Point lies within an excavation.		
		5.20000	-25.00000	114.00000				Point lies within an excavation.		
		6.00000	-25.00000	114.00000				Point lies within an excavation.		
		6.80000	-25.00000	114.00000				Point lies within an excavation.		
		7.60000	-25.00000	114.00000				Point lies within an excavation.		
		8.40000	-25.00000	114.00000				Point lies within an excavation.		
		9.20000	-25.00000	114.00000				Point lies within an excavation.		
		10.00000	-25.00000	114.00000				Point lies within an excavation.		
		10.80000	-25.00000	114.00000				Point lies within an excavation.		
		11.60000	-25.00000	114.00000				Point lies within an excavation.		
		12.40000	-25.00000	114.00000				Point lies within an excavation.		
		13.20000	-25.00000	114.00000				Point lies within an excavation.		
		14.00000	-25.00000	114.00000				Point lies within an excavation.		
		14.80000	-25.00000	114.00000				Point lies within an excavation.		
		15.60000	-25.00000	114.00000				Point lies within an excavation.		
		16.40000	-25.00000	114.00000				Point lies within an excavation.		
		17.20000	-25.00000	114.00000				Point lies within an excavation.		
		18.00000	-25.00000	114.00000	-7.7673	-4.4385	4.3886	-	-	-
		18.80000	-25.00000	114.00000	-7.0159	-4.0091	4.6733	-	-	-
		19.60000	-25.00000	114.00000	-6.3188	-3.6108	4.7207	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		20.40000	-25.00000	114.00000	-5.6709	-3.2405	4.5837	-	-	-
		21.20000	-25.00000	114.00000	-3.3901	-1.9109	2.8906	-	-	-
		22.00000	-25.00000	114.00000	-2.8385	-1.4014	2.5468	-	-	-
		22.80000	-25.00000	114.00000	-2.3834	-1.0526	2.1955	-	-	-
		23.60000	-25.00000	114.00000	-1.9917	-0.80006	1.8472	-	-	-
		24.40000	-25.00000	114.00000	-1.6431	-0.60839	1.5146	-	-	-
		25.20000	-25.00000	114.00000	-1.3242	-0.45680	1.2093	-	-	-
		26.00000	-25.00000	114.00000	-1.0254	-0.33241	0.93929	-	-	-
		26.80000	-25.00000	114.00000	-0.73909	-0.22674	0.70818	-	-	-
		27.60000	-25.00000	114.00000	-0.49607	-0.14488	0.51494	-	-	-
		28.40000	-25.00000	114.00000	-0.35198	-0.098354	0.35350	-	-	-
		29.20000	-25.00000	114.00000	-0.21023	-0.056445	0.21267	-	-	-
		30.00000	-25.00000	114.00000	-0.070364	-0.018218	0.075999	-	-	-
		-10.00000	-26.00000	114.00000	0.13439	-0.0089594	0.11586	-	-	-
		-9.20000	-26.00000	114.00000	0.43306	-0.028871	0.34887	-	-	-
		-8.40000	-26.00000	114.00000	0.73174	-0.048782	0.58580	-	-	-
		-7.60000	-26.00000	114.00000	1.0304	-0.068694	0.85496	-	-	-
		-6.80000	-26.00000	114.00000	1.5234	-0.10156	1.1751	-	-	-
		-6.00000	-26.00000	114.00000	2.1015	-0.14010	1.5554	-	-	-
		-5.20000	-26.00000	114.00000	2.6873	-0.17916	1.9954	-	-	-
		-4.40000	-26.00000	114.00000	3.2898	-0.21932	2.4854	-	-	-
		-3.60000	-26.00000	114.00000	3.9179	-0.26119	3.0058	-	-	-
		-2.80000	-26.00000	114.00000	4.5806	-0.30537	3.5277	-	-	-
		-2.00000	-26.00000	114.00000	5.2869	-0.35246	4.0125	-	-	-
		-1.20000	-26.00000	114.00000	6.0457	-0.40304	4.4121	-	-	-
		-0.40000	-26.00000	114.00000	6.8660	-0.45773	4.6690	-	-	-
		0.40000	-26.00000	114.00000	7.7568	-0.51712	4.7158	-	-	-
		1.20000	-26.00000	114.00000	8.7271	-0.58181	4.4759	-	-	-
		2.00000	-26.00000	114.00000			Point lies within an excavation.			
		2.80000	-26.00000	114.00000			Point lies within an excavation.			
		3.60000	-26.00000	114.00000			Point lies within an excavation.			
		4.40000	-26.00000	114.00000			Point lies within an excavation.			
		5.20000	-26.00000	114.00000			Point lies within an excavation.			
		6.00000	-26.00000	114.00000			Point lies within an excavation.			
		6.80000	-26.00000	114.00000			Point lies within an excavation.			
		7.60000	-26.00000	114.00000			Point lies within an excavation.			
		8.40000	-26.00000	114.00000			Point lies within an excavation.			
		9.20000	-26.00000	114.00000			Point lies within an excavation.			
		10.00000	-26.00000	114.00000			Point lies within an excavation.			
		10.80000	-26.00000	114.00000			Point lies within an excavation.			
		11.60000	-26.00000	114.00000			Point lies within an excavation.			
		12.40000	-26.00000	114.00000			Point lies within an excavation.			
		13.20000	-26.00000	114.00000			Point lies within an excavation.			
		14.00000	-26.00000	114.00000			Point lies within an excavation.			
		14.80000	-26.00000	114.00000			Point lies within an excavation.			
		15.60000	-26.00000	114.00000			Point lies within an excavation.			
		16.40000	-26.00000	114.00000			Point lies within an excavation.			
		17.20000	-26.00000	114.00000			Point lies within an excavation.			
		18.00000	-26.00000	114.00000			Point lies within an excavation.			
		18.80000	-26.00000	114.00000	-7.5468	-4.3124	4.4975	-	-	-
		19.60000	-26.00000	114.00000	-4.3620	-2.2213	3.0766	-	-	-
		20.40000	-26.00000	114.00000	-3.5275	-1.3316	2.8905	-	-	-
		21.20000	-26.00000	114.00000	-2.9774	-0.92554	2.6781	-	-	-
		22.00000	-26.00000	114.00000	-2.5426	-0.68925	2.4146	-	-	-
		22.80000	-26.00000	114.00000	-2.1711	-0.53135	2.1149	-	-	-
		23.60000	-26.00000	114.00000	-1.8403	-0.41597	1.7999	-	-	-
		24.40000	-26.00000	114.00000	-1.5376	-0.32608	1.4887	-	-	-
		25.20000	-26.00000	114.00000	-1.2545	-0.25248	1.1968	-	-	-
		26.00000	-26.00000	114.00000	-0.98456	-0.18965	0.93478	-	-	-
		26.80000	-26.00000	114.00000	-0.72212	-0.13402	0.70834	-	-	-
		27.60000	-26.00000	114.00000	-0.47982	-0.086241	0.51794	-	-	-
		28.40000	-26.00000	114.00000	-0.34596	-0.060471	0.35879	-	-	-
		29.20000	-26.00000	114.00000	-0.21297	-0.036325	0.22077	-	-	-
		30.00000	-26.00000	114.00000	-0.080676	-0.013466	0.088403	-	-	-
		-10.00000	-27.00000	114.00000	0.15928	-0.010619	0.13599	-	-	-
		-9.20000	-27.00000	114.00000	0.45795	-0.030530	0.36801	-	-	-
		-8.40000	-27.00000	114.00000	0.75663	-0.050442	0.60668	-	-	-
		-7.60000	-27.00000	114.00000	1.0553	-0.070353	0.87950	-	-	-
		-6.80000	-27.00000	114.00000	1.5715	-0.10476	1.2044	-	-	-
		-6.00000	-27.00000	114.00000	2.1499	-0.14333	1.5898	-	-	-
		-5.20000	-27.00000	114.00000	2.7368	-0.18245	2.0346	-	-	-
		-4.40000	-27.00000	114.00000	3.3410	-0.22274	2.5279	-	-	-
		-3.60000	-27.00000	114.00000	3.9717	-0.26478	3.0497	-	-	-
		-2.80000	-27.00000	114.00000	4.6377	-0.30918	3.5701	-	-	-
		-2.00000	-27.00000	114.00000	5.3480	-0.35653	4.0498	-	-	-
		-1.20000	-27.00000	114.00000	6.1116	-0.40744	4.4399	-	-	-
		-0.40000	-27.00000	114.00000	6.9374	-0.46249	4.6819	-	-	-
		0.40000	-27.00000	114.00000	7.8345	-0.52230	4.7079	-	-	-
		1.20000	-27.00000	114.00000	8.8118	-0.58745	4.4404	-	-	-
		2.00000	-27.00000	114.00000			Point lies within an excavation.			
		2.80000	-27.00000	114.00000			Point lies within an excavation.			
		3.60000	-27.00000	114.00000			Point lies within an excavation.			
		4.40000	-27.00000	114.00000			Point lies within an excavation.			
		5.20000	-27.00000	114.00000			Point lies within an excavation.			
		6.00000	-27.00000	114.00000			Point lies within an excavation.			
		6.80000	-27.00000	114.00000			Point lies within an excavation.			
		7.60000	-27.00000	114.00000			Point lies within an excavation.			
		8.40000	-27.00000	114.00000			Point lies within an excavation.			
		9.20000	-27.00000	114.00000			Point lies within an excavation.			
		10.00000	-27.00000	114.00000			Point lies within an excavation.			
		10.80000	-27.00000	114.00000			Point lies within an excavation.			
		11.60000	-27.00000	114.00000			Point lies within an excavation.			
		12.40000	-27.00000	114.00000			Point lies within an excavation.			
		13.20000	-27.00000	114.00000			Point lies within an excavation.			
		14.00000	-27.00000	114.00000			Point lies within an excavation.			
		14.80000	-27.00000	114.00000			Point lies within an excavation.			
		15.60000	-27.00000	114.00000			Point lies within an excavation.			
		16.40000	-27.00000	114.00000			Point lies within an excavation.			
		17.20000	-27.00000	114.00000			Point lies within an excavation.			
		18.00000	-27.00000	114.00000	-4.6503	7.8474	4.3010	-	-	-
		18.80000	-27.00000	114.00000	-2.9516	4.9510	3.0464	-	-	-
		19.60000	-27.00000	114.00000	-2.7198	1.5476	2.5499	-	-	-
		20.40000	-27.00000	114.00000	-2.4332	0.63849	2.3683	-	-	-
		21.20000	-27.00000	114.00000	-2.2894	0.31315	2.3247	-	-	-
		22.00000	-27.00000	114.00000	-2.0751	0.15234	2.1639	-	-	-
		22.80000	-27.00000	114.00000	-1.8398	0.064992	1.9340	-	-	-
		23.60000	-27.00000	114.00000	-1.6004	0.015908	1.6690	-	-	-
		24.40000	-27.00000	114.00000	-1.3627	-0.011145	1.3947	-	-	-
		25.20000	-27.00000	114.00000	-1.1279	-0.024540	1.1299	-	-	-
		26.00000	-27.00000	114.00000	-0.89528	-0.028924	0.88797	-	-	-
		26.80000	-27.00000	114.00000	-0.66268	-0.026999	0.67620	-	-	-
		27.60000	-27.00000	114.00000	-0.44366	-0.021135	0.49646	-	-	-
		28.40000	-27.00000	114.00000	-0.32191	-0.017184	0.34508	-	-	-
		29.20000	-27.00000	114.00000	-0.19924	-0.011603	0.21295	-	-	-
		30.00000	-27.00000	114.00000	-0.075825	-0.0047314	0.085487	-	-	-
		-10.00000	-28.00000	114.00000	0.15847	-0.0073185	0.13486	-	-	-
		-9.20000	-28.00000	114.00000	0.41800	-0.020517	0.33663	-	-	-
		-8.40000	-28.00000	114.00000	0.67844	-0.035579	0.54683	-	-	-
		-7.60000	-28.00000	114.00000	0.94000	-0.052991	0.78894	-	-	-
		-6.80000	-28.00000	114.00000	1.4130	-0.086248	1.0782	-	-	-
		-6.00000	-28.00000	114.00000	1.9237	-0.12825	1.4217	-	-	-
		-5.20000	-28.00000	114.00000	2.7864	-0.18576	2.0740	-	-	-
		-4.40000	-28.00000	114.00000	3.3925	-0.22616	2.5707	-	-	-
		-3.60000	-28.00000	114.00000	4.0257	-0.26838	3.0936	-	-	-
		-2.80000	-28.00000	114.00000	4.6950	-0.31300	3.6123	-	-	-
		-2.00000	-28.00000	114.00000	5.4094	-0.36063	4.0865	-	-	-
		-1.20000	-28.00000	114.00000	6.1779	-0.41186	4.4666	-	-	-
		-0.40000	-28.00000	114.00000	7.0093	-0.46729	4.6933	-	-	-
		0.40000	-28.00000	114.00000	7.9128	-0.52752	4.6980	-	-	-
		1.20000	-28.00000	114.00000	8.8972	-0.59314	4.4022	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		2.00000	-28.00000	114.00000			Point lies within an excavation.			
		2.80000	-28.00000	114.00000			Point lies within an excavation.			
		3.60000	-28.00000	114.00000			Point lies within an excavation.			
		4.40000	-28.00000	114.00000			Point lies within an excavation.			
		5.20000	-28.00000	114.00000			Point lies within an excavation.			
		6.00000	-28.00000	114.00000			Point lies within an excavation.			
		6.80000	-28.00000	114.00000			Point lies within an excavation.			
		7.60000	-28.00000	114.00000			Point lies within an excavation.			
		8.40000	-28.00000	114.00000			Point lies within an excavation.			
		9.20000	-28.00000	114.00000			Point lies within an excavation.			
		10.00000	-28.00000	114.00000			Point lies within an excavation.			
		10.80000	-28.00000	114.00000			Point lies within an excavation.			
		11.60000	-28.00000	114.00000			Point lies within an excavation.			
		12.40000	-28.00000	114.00000			Point lies within an excavation.			
		13.20000	-28.00000	114.00000			Point lies within an excavation.			
		14.00000	-28.00000	114.00000			Point lies within an excavation.			
		14.80000	-28.00000	114.00000			Point lies within an excavation.			
		15.60000	-28.00000	114.00000			Point lies within an excavation.			
		16.40000	-28.00000	114.00000	-4.6205	7.7971	4.3312	-	-	-
		17.20000	-28.00000	114.00000	-4.3548	7.3487	4.5519	-	-	-
		18.00000	-28.00000	114.00000	-4.1007	6.9199	4.6801	-	-	-
		18.80000	-28.00000	114.00000	-3.8575	6.5095	4.7274	-	-	-
		19.60000	-28.00000	114.00000	-2.4414	3.6776	3.0674	-	-	-
		20.40000	-28.00000	114.00000	-2.2469	2.2690	2.7167	-	-	-
		21.20000	-28.00000	114.00000	-2.0219	1.4464	2.4086	-	-	-
		22.00000	-28.00000	114.00000	-1.7918	0.94886	2.1077	-	-	-
		22.80000	-28.00000	114.00000	-1.5664	0.63285	1.8080	-	-	-
		23.60000	-28.00000	114.00000	-1.3486	0.42387	1.5155	-	-	-
		24.40000	-28.00000	114.00000	-1.1474	0.28393	1.2491	-	-	-
		25.20000	-28.00000	114.00000	-0.96459	0.19068	1.0199	-	-	-
		26.00000	-28.00000	114.00000	-0.77228	0.12338	0.80633	-	-	-
		26.80000	-28.00000	114.00000	-0.57187	0.074311	0.61677	-	-	-
		27.60000	-28.00000	114.00000	-0.39251	0.041565	0.45386	-	-	-
		28.40000	-28.00000	114.00000	-0.28378	0.024433	0.31473	-	-	-
		29.20000	-28.00000	114.00000	-0.17223	0.011974	0.19098	-	-	-
		30.00000	-28.00000	114.00000	-0.058445	0.0032406	0.068754	-	-	-
		-10.00000	-29.00000	114.00000	0.15211	0.0053068	0.13194	-	-	-
		-9.20000	-29.00000	114.00000	0.40002	0.015219	0.32882	-	-	-
		-8.40000	-29.00000	114.00000	0.64694	0.026994	0.53312	-	-	-
		-7.60000	-29.00000	114.00000	0.89263	0.041121	0.76745	-	-	-
		-6.80000	-29.00000	114.00000	1.3351	0.068448	1.0461	-	-	-
		-6.00000	-29.00000	114.00000	1.8068	0.10409	1.3749	-	-	-
		-5.20000	-29.00000	114.00000	2.2811	0.14944	1.7515	-	-	-
		-4.40000	-29.00000	114.00000	2.7632	0.20898	2.1649	-	-	-
		-3.60000	-29.00000	114.00000	3.2569	0.29003	2.5958	-	-	-
		-2.80000	-29.00000	114.00000	3.7628	0.40524	3.0157	-	-	-
		-2.00000	-29.00000	114.00000	4.2757	0.57859	3.3870	-	-	-
		-1.20000	-29.00000	114.00000	4.7754	0.86143	3.6611	-	-	-
		-0.40000	-29.00000	114.00000	5.2726	1.4031	3.8271	-	-	-
		0.40000	-29.00000	114.00000	5.9219	2.7513	4.0176	-	-	-
		1.20000	-29.00000	114.00000	7.5052	4.3780	4.4988	-	-	-
		2.00000	-29.00000	114.00000			Point lies within an excavation.			
		2.80000	-29.00000	114.00000			Point lies within an excavation.			
		3.60000	-29.00000	114.00000			Point lies within an excavation.			
		4.40000	-29.00000	114.00000			Point lies within an excavation.			
		5.20000	-29.00000	114.00000			Point lies within an excavation.			
		6.00000	-29.00000	114.00000			Point lies within an excavation.			
		6.80000	-29.00000	114.00000			Point lies within an excavation.			
		7.60000	-29.00000	114.00000			Point lies within an excavation.			
		8.40000	-29.00000	114.00000			Point lies within an excavation.			
		9.20000	-29.00000	114.00000			Point lies within an excavation.			
		10.00000	-29.00000	114.00000			Point lies within an excavation.			
		10.80000	-29.00000	114.00000			Point lies within an excavation.			
		11.60000	-29.00000	114.00000			Point lies within an excavation.			
		12.40000	-29.00000	114.00000			Point lies within an excavation.			
		13.20000	-29.00000	114.00000			Point lies within an excavation.			
		14.00000	-29.00000	114.00000			Point lies within an excavation.			
		14.80000	-29.00000	114.00000	-4.5909	7.7471	4.3603	-	-	-
		15.60000	-29.00000	114.00000	-4.3265	7.3009	4.5702	-	-	-
		16.40000	-29.00000	114.00000	-4.0736	6.8741	4.6890	-	-	-
		17.20000	-29.00000	114.00000	-3.8315	6.4657	4.7281	-	-	-
		18.00000	-29.00000	114.00000	-3.5997	6.0746	4.6984	-	-	-
		18.80000	-29.00000	114.00000	-3.3776	5.6997	4.6101	-	-	-
		19.60000	-29.00000	114.00000	-3.1645	5.3402	4.4727	-	-	-
		20.40000	-29.00000	114.00000	-1.9901	2.9348	2.7787	-	-	-
		21.20000	-29.00000	114.00000	-1.8214	2.1021	2.4435	-	-	-
		22.00000	-29.00000	114.00000	-1.6338	1.5062	2.1156	-	-	-
		22.80000	-29.00000	114.00000	-1.4395	1.0810	1.7970	-	-	-
		23.60000	-29.00000	114.00000	-1.2442	0.77388	1.4935	-	-	-
		24.40000	-29.00000	114.00000	-1.0505	0.54846	1.2125	-	-	-
		25.20000	-29.00000	114.00000	-0.85849	0.38026	0.95995	-	-	-
		26.00000	-29.00000	114.00000	-0.66736	0.25284	0.74009	-	-	-
		26.80000	-29.00000	114.00000	-0.47537	0.15500	0.55389	-	-	-
		27.60000	-29.00000	114.00000	-0.33437	0.094255	0.39885	-	-	-
		28.40000	-29.00000	114.00000	-0.23572	0.057656	0.27124	-	-	-
		29.20000	-29.00000	114.00000	-0.13536	0.028899	0.15699	-	-	-
		30.00000	-29.00000	114.00000	-0.031365	0.0058736	0.039387	-	-	-
		-10.00000	-30.00000	114.00000	0.12000	0.014681	0.10743	-	-	-
		-9.20000	-30.00000	114.00000	0.35461	0.046993	0.29881	-	-	-
		-8.40000	-30.00000	114.00000	0.58615	0.084660	0.49325	-	-	-
		-7.60000	-30.00000	114.00000	0.81386	0.12905	0.71268	-	-	-
		-6.80000	-30.00000	114.00000	1.1913	0.20916	0.97073	-	-	-
		-6.00000	-30.00000	114.00000	1.6180	0.31787	1.2727	-	-	-
		-5.20000	-30.00000	114.00000	2.0355	0.45326	1.6154	-	-	-
		-4.40000	-30.00000	114.00000	2.4682	0.63263	2.0069	-	-	-
		-3.60000	-30.00000	114.00000	2.9268	0.87752	2.4397	-	-	-
		-2.80000	-30.00000	114.00000	3.4035	1.2184	2.8880	-	-	-
		-2.00000	-30.00000	114.00000	3.8994	1.7124	3.3315	-	-	-
		-1.20000	-30.00000	114.00000	4.4104	2.4645	3.7517	-	-	-
		-0.40000	-30.00000	114.00000	5.6389	3.2894	4.5827	-	-	-
		0.40000	-30.00000	114.00000	6.2799	3.6633	4.7202	-	-	-
		1.20000	-30.00000	114.00000	6.9692	4.0654	4.6756	-	-	-
		2.00000	-30.00000	114.00000	7.7119	4.4986	4.3970	-	-	-
		2.80000	-30.00000	114.00000			Point lies within an excavation.			
		3.60000	-30.00000	114.00000			Point lies within an excavation.			
		4.40000	-30.00000	114.00000			Point lies within an excavation.			
		5.20000	-30.00000	114.00000			Point lies within an excavation.			
		6.00000	-30.00000	114.00000			Point lies within an excavation.			
		6.80000	-30.00000	114.00000			Point lies within an excavation.			
		7.60000	-30.00000	114.00000			Point lies within an excavation.			
		8.40000	-30.00000	114.00000			Point lies within an excavation.			
		9.20000	-30.00000	114.00000			Point lies within an excavation.			
		10.00000	-30.00000	114.00000			Point lies within an excavation.			
		10.80000	-30.00000	114.00000			Point lies within an excavation.			
		11.60000	-30.00000	114.00000			Point lies within an excavation.			
		12.40000	-30.00000	114.00000			Point lies within an excavation.			
		13.20000	-30.00000	114.00000	-4.5614	7.6973	4.3880	-	-	-
		14.00000	-30.00000	114.00000	-4.2982	7.2533	4.5874	-	-	-
		14.80000	-30.00000	114.00000	-4.0466	6.8286	4.6969	-	-	-
		15.60000	-30.00000	114.00000	-3.8057	6.4221	4.7280	-	-	-
		16.40000	-30.00000	114.00000	-3.5750	6.0328	4.6915	-	-	-
		17.20000	-30.00000	114.00000	-3.3539	5.6597	4.5973	-	-	-
		18.00000	-30.00000	114.00000	-3.1418	5.3017	4.4551	-	-	-
		18.80000	-30.00000	114.00000	-2.9380	4.9579	4.2736	-	-	-
		19.60000	-30.00000	114.00000	-2.7420	4.6271	4.0610	-	-	-
		20.40000	-30.00000	114.00000	-2.5531	4.3084	3.8248	-	-	-
		21.20000	-30.00000	114.00000	-1.5900	2.3235	2.2971	-	-	-
		22.00000	-30.00000	114.00000	-1.4398	1.7635	1.9856	-	-	-
		22.80000	-30.00000	114.00000	-1.2762	1.3236	1.6807	-	-	-
		23.60000	-30.00000	114.00000	-1.1053	0.98103	1.3912	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		24.40000	-30.00000	114.00000	-0.93047	0.71368	1.1246	-	-	-
		25.20000	-30.00000	114.00000	-0.75296	0.50342	0.88662	-	-	-
		26.00000	-30.00000	114.00000	-0.57272	0.33629	0.68037	-	-	-
		26.80000	-30.00000	114.00000	-0.38950	0.20214	0.50583	-	-	-
		27.60000	-30.00000	114.00000	-0.29307	0.13514	0.35952	-	-	-
		28.40000	-30.00000	114.00000	-0.19540	0.080422	0.23419	-	-	-
		29.20000	-30.00000	114.00000	-0.096742	0.035669	0.11868	-	-	-
		30.00000	-30.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-31.00000	114.00000	0.066057	0.014236	0.062327	-	-	-
		-9.20000	-31.00000	114.00000	0.28651	0.066900	0.24902	-	-	-
		-8.40000	-31.00000	114.00000	0.50635	0.12883	0.43529	-	-	-
		-7.60000	-31.00000	114.00000	0.72538	0.20222	0.64396	-	-	-
		-6.80000	-31.00000	114.00000	1.0318	0.31724	0.89076	-	-	-
		-6.00000	-31.00000	114.00000	1.4495	0.49529	1.1847	-	-	-
		-5.20000	-31.00000	114.00000	1.8662	0.71508	1.5283	-	-	-
		-4.40000	-31.00000	114.00000	2.2858	0.99280	1.9176	-	-	-
		-3.60000	-31.00000	114.00000	2.7109	1.3520	2.3433	-	-	-
		-2.80000	-31.00000	114.00000	3.1414	1.8272	2.7915	-	-	-
		-2.00000	-31.00000	114.00000	4.0951	2.3888	3.6380	-	-	-
		-1.20000	-31.00000	114.00000	4.6298	2.7007	4.0499	-	-	-
		-0.40000	-31.00000	114.00000	5.1991	3.0328	4.3948	-	-	-
		0.40000	-31.00000	114.00000	5.8080	3.3880	4.6351	-	-	-
		1.20000	-31.00000	114.00000	6.4616	3.7693	4.7282	-	-	-
		2.00000	-31.00000	114.00000	7.1649	4.1795	4.6256	-	-	-
		2.80000	-31.00000	114.00000	7.9229	4.6217	4.2739	-	-	-
		3.60000	-31.00000	114.00000		Point lies within an excavation.				
		4.40000	-31.00000	114.00000		Point lies within an excavation.				
		5.20000	-31.00000	114.00000		Point lies within an excavation.				
		6.00000	-31.00000	114.00000		Point lies within an excavation.				
		6.80000	-31.00000	114.00000		Point lies within an excavation.				
		7.60000	-31.00000	114.00000		Point lies within an excavation.				
		8.40000	-31.00000	114.00000		Point lies within an excavation.				
		9.20000	-31.00000	114.00000		Point lies within an excavation.				
		10.00000	-31.00000	114.00000		Point lies within an excavation.				
		10.80000	-31.00000	114.00000		Point lies within an excavation.				
		11.60000	-31.00000	114.00000	-4.5320	7.6478	4.4146	-	-	-
		12.40000	-31.00000	114.00000	-4.2702	7.2059	4.6036	-	-	-
		13.20000	-31.00000	114.00000	-4.0197	6.7832	4.7040	-	-	-
		14.00000	-31.00000	114.00000	-3.7800	6.3787	4.7272	-	-	-
		14.80000	-31.00000	114.00000	-3.5504	5.9912	4.6838	-	-	-
		15.60000	-31.00000	114.00000	-3.3303	5.6198	4.5840	-	-	-
		16.40000	-31.00000	114.00000	-3.1191	5.2635	4.4370	-	-	-
		17.20000	-31.00000	114.00000	-2.9162	4.9211	4.2517	-	-	-
		18.00000	-31.00000	114.00000	-2.7210	4.5917	4.0362	-	-	-
		18.80000	-31.00000	114.00000	-2.5329	4.2742	3.7978	-	-	-
		19.60000	-31.00000	114.00000	-2.3512	3.9676	3.5435	-	-	-
		20.40000	-31.00000	114.00000	-2.1754	3.6709	3.2792	-	-	-
		21.20000	-31.00000	114.00000	-1.3500	2.2644	2.0235	-	-	-
		22.00000	-31.00000	114.00000	-1.2286	1.7864	1.7526	-	-	-
		22.80000	-31.00000	114.00000	-1.0911	1.3820	1.4834	-	-	-
		23.60000	-31.00000	114.00000	-0.94247	1.0462	1.2262	-	-	-
		24.40000	-31.00000	114.00000	-0.78579	0.76948	0.98908	-	-	-
		25.20000	-31.00000	114.00000	-0.62272	0.54130	0.77738	-	-	-
		26.00000	-31.00000	114.00000	-0.45368	0.35211	0.59360	-	-	-
		26.80000	-31.00000	114.00000	-0.33249	0.23163	0.43695	-	-	-
		27.60000	-31.00000	114.00000	-0.24032	0.15099	0.30308	-	-	-
		28.40000	-31.00000	114.00000	-0.14641	0.083308	0.18390	-	-	-
		29.20000	-31.00000	114.00000	-0.051060	0.026410	0.067391	-	-	-
		30.00000	-31.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-32.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-32.00000	114.00000	0.21010	0.070406	0.19015	-	-	-
		-8.40000	-32.00000	114.00000	0.42459	0.15407	0.37384	-	-	-
		-7.60000	-32.00000	114.00000	0.63722	0.25166	0.57150	-	-	-
		-6.80000	-32.00000	114.00000	0.84753	0.36639	0.80023	-	-	-
		-6.00000	-32.00000	114.00000	1.2473	0.59409	1.0704	-	-	-
		-5.20000	-32.00000	114.00000	1.6415	0.86789	1.3860	-	-	-
		-4.40000	-32.00000	114.00000	2.3210	1.3539	1.9905	-	-	-
		-3.60000	-32.00000	114.00000	2.7713	1.6166	2.4120	-	-	-
		-2.80000	-32.00000	114.00000	3.2373	1.8884	2.8590	-	-	-
		-2.00000	-32.00000	114.00000	3.7241	2.1724	3.3140	-	-	-
		-1.20000	-32.00000	114.00000	4.2368	2.4715	3.7542	-	-	-
		-0.40000	-32.00000	114.00000	4.7804	2.7886	4.1514	-	-	-
		0.40000	-32.00000	114.00000	5.3599	3.1266	4.4719	-	-	-
		1.20000	-32.00000	114.00000	5.9804	3.4886	4.6768	-	-	-
		2.00000	-32.00000	114.00000	6.6470	3.8774	4.7218	-	-	-
		2.80000	-32.00000	114.00000	7.3646	4.2960	4.5573	-	-	-
		3.60000	-32.00000	114.00000		Point lies within an excavation.				
		4.40000	-32.00000	114.00000		Point lies within an excavation.				
		5.20000	-32.00000	114.00000		Point lies within an excavation.				
		6.00000	-32.00000	114.00000		Point lies within an excavation.				
		6.80000	-32.00000	114.00000		Point lies within an excavation.				
		7.60000	-32.00000	114.00000		Point lies within an excavation.				
		8.40000	-32.00000	114.00000		Point lies within an excavation.				
		9.20000	-32.00000	114.00000		Point lies within an excavation.				
		10.00000	-32.00000	114.00000	-4.5028	7.5985	4.4399	-	-	-
		10.80000	-32.00000	114.00000	-4.2422	7.1588	4.6186	-	-	-
		11.60000	-32.00000	114.00000	-3.9930	6.7381	4.7101	-	-	-
		12.40000	-32.00000	114.00000	-3.7544	6.3355	4.7255	-	-	-
		13.20000	-32.00000	114.00000	-3.5258	5.9498	4.6755	-	-	-
		14.00000	-32.00000	114.00000	-3.3067	5.5801	4.5700	-	-	-
		14.80000	-32.00000	114.00000	-3.0965	5.2253	4.4185	-	-	-
		15.60000	-32.00000	114.00000	-2.8945	4.8844	4.2295	-	-	-
		16.40000	-32.00000	114.00000	-2.7001	4.5564	4.0111	-	-	-
		17.20000	-32.00000	114.00000	-2.5127	4.2402	3.7707	-	-	-
		18.00000	-32.00000	114.00000	-2.3317	3.9347	3.5149	-	-	-
		18.80000	-32.00000	114.00000	-2.1565	3.6390	3.2500	-	-	-
		19.60000	-32.00000	114.00000	-1.9864	3.3521	2.9812	-	-	-
		20.40000	-32.00000	114.00000	-1.8209	3.0728	2.7133	-	-	-
		21.20000	-32.00000	114.00000	-1.6594	2.8002	2.4505	-	-	-
		22.00000	-32.00000	114.00000	-1.0105	1.6456	1.4623	-	-	-
		22.80000	-32.00000	114.00000	-0.89341	1.2949	1.2393	-	-	-
		23.60000	-32.00000	114.00000	-0.76316	0.98770	1.0244	-	-	-
		24.40000	-32.00000	114.00000	-0.62223	0.72199	0.82514	-	-	-
		25.20000	-32.00000	114.00000	-0.47209	0.49322	0.64625	-	-	-
		26.00000	-32.00000	114.00000	-0.34996	0.33063	0.48946	-	-	-
		26.80000	-32.00000	114.00000	-0.26509	0.22741	0.35313	-	-	-
		27.60000	-32.00000	114.00000	-0.17750	0.13880	0.23204	-	-	-
		28.40000	-32.00000	114.00000	-0.087675	0.062722	0.11721	-	-	-
		29.20000	-32.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-32.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-33.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-33.00000	114.00000	0.11110	0.047905	0.10663	-	-	-
		-8.40000	-33.00000	114.00000	0.31877	0.14810	0.28974	-	-	-
		-7.60000	-33.00000	114.00000	0.52366	0.26329	0.47529	-	-	-
		-6.80000	-33.00000	114.00000	0.72511	0.39646	0.68160	-	-	-
		-6.00000	-33.00000	114.00000	1.1321	0.66041	1.0489	-	-	-
		-5.20000	-33.00000	114.00000	1.5650	0.91289	1.3547	-	-	-
		-4.40000	-33.00000	114.00000	1.9998	1.1665	1.7064	-	-	-
		-3.60000	-33.00000	114.00000	2.4417	1.4243	2.1014	-	-	-
		-2.80000	-33.00000	114.00000	2.8957	1.6892	2.5312	-	-	-
		-2.00000	-33.00000	114.00000	3.3669	1.9640	2.9823	-	-	-
		-1.20000	-33.00000	114.00000	3.8602	2.2518	3.4358	-	-	-
		-0.40000	-33.00000	114.00000	4.3808	2.5554	3.8673	-	-	-
		0.40000	-33.00000	114.00000	4.9336	2.8779	4.2473	-	-	-
		1.20000	-33.00000	114.00000	5.5237	3.2222	4.5405	-	-	-
		2.00000	-33.00000	114.00000	6.1562	3.5911	4.7068	-	-	-
		2.80000	-33.00000	114.00000	6.8361	3.9877	4.7002	-	-	-
		3.60000	-33.00000	114.00000	7.5684	4.4149	4.4696	-	-	-
		4.40000	-33.00000	114.00000		Point lies within an excavation.				
		5.20000	-33.00000	114.00000		Point lies within an excavation.				

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		6.00000	-33.00000	114.00000		Point lies within an excavation.				
		6.80000	-33.00000	114.00000		Point lies within an excavation.				
		7.60000	-33.00000	114.00000	-4.7449	8.0069	4.1976	-	-	-
		8.40000	-33.00000	114.00000	-4.4737	7.5494	4.4641	-	-	-
		9.20000	-33.00000	114.00000	-4.2144	7.1119	4.6327	-	-	-
		10.00000	-33.00000	114.00000	-3.9664	6.6932	4.7153	-	-	-
		10.80000	-33.00000	114.00000	-3.7289	6.2925	4.7230	-	-	-
		11.60000	-33.00000	114.00000	-3.5014	5.9086	4.6664	-	-	-
		12.40000	-33.00000	114.00000	-3.2833	5.5406	4.5555	-	-	-
		13.20000	-33.00000	114.00000	-3.0740	5.1874	4.3995	-	-	-
		14.00000	-33.00000	114.00000	-2.8729	4.8479	4.2069	-	-	-
		14.80000	-33.00000	114.00000	-2.6793	4.5212	3.9858	-	-	-
		15.60000	-33.00000	114.00000	-2.4926	4.2062	3.7433	-	-	-
		16.40000	-33.00000	114.00000	-2.3122	3.9019	3.4863	-	-	-
		17.20000	-33.00000	114.00000	-2.1376	3.6072	3.2207	-	-	-
		18.00000	-33.00000	114.00000	-1.9681	3.3212	2.9517	-	-	-
		18.80000	-33.00000	114.00000	-1.8031	3.0427	2.6842	-	-	-
		19.60000	-33.00000	114.00000	-1.6419	2.7707	2.4222	-	-	-
		20.40000	-33.00000	114.00000	-1.4840	2.5043	2.1690	-	-	-
		21.20000	-33.00000	114.00000	-1.3288	2.2423	1.9275	-	-	-
		22.00000	-33.00000	114.00000	-1.1756	1.9838	1.6997	-	-	-
		22.80000	-33.00000	114.00000	-0.68761	1.0972	0.98215	-	-	-
		23.60000	-33.00000	114.00000	-0.57165	0.82671	0.81165	-	-	-
		24.40000	-33.00000	114.00000	-0.44335	0.58248	0.65197	-	-	-
		25.20000	-33.00000	114.00000	-0.34467	0.41255	0.50670	-	-	-
		26.00000	-33.00000	114.00000	-0.26866	0.29386	0.37641	-	-	-
		26.80000	-33.00000	114.00000	-0.18887	0.18937	0.25840	-	-	-
		27.60000	-33.00000	114.00000	-0.10594	0.097663	0.14642	-	-	-
		28.40000	-33.00000	114.00000	-0.020354	0.017303	0.030544	-	-	-
		29.20000	-33.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-33.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-34.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-34.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-34.00000	114.00000	0.19125	0.10687	0.18258	-	-	-
		-7.60000	-34.00000	114.00000	0.44322	0.25855	0.40976	-	-	-
		-6.80000	-34.00000	114.00000	0.66706	0.38912	0.61846	-	-	-
		-6.00000	-34.00000	114.00000	0.89089	0.51969	0.85368	-	-	-
		-5.20000	-34.00000	114.00000	1.2494	0.72684	1.1272	-	-	-
		-4.40000	-34.00000	114.00000	1.6823	0.98135	1.4454	-	-	-
		-3.60000	-34.00000	114.00000	2.1186	1.2358	1.8094	-	-	-
		-2.80000	-34.00000	114.00000	2.5632	1.4952	2.2148	-	-	-
		-2.00000	-34.00000	114.00000	3.0214	1.7625	2.6519	-	-	-
		-1.20000	-34.00000	114.00000	3.4981	2.0405	3.1058	-	-	-
		-0.40000	-34.00000	114.00000	3.9983	2.3323	3.5560	-	-	-
		0.40000	-34.00000	114.00000	4.5271	2.6408	3.9767	-	-	-
		1.20000	-34.00000	114.00000	5.0895	2.9689	4.3369	-	-	-
		2.00000	-34.00000	114.00000	5.6906	3.3195	4.5999	-	-	-
		2.80000	-34.00000	114.00000	6.3354	3.6957	4.7241	-	-	-
		3.60000	-34.00000	114.00000	7.0290	4.1003	4.6621	-	-	-
		4.40000	-34.00000	114.00000	7.7764	4.5362	4.3614	-	-	-
		5.20000	-34.00000	114.00000		Point lies within an excavation.				
		6.00000	-34.00000	114.00000	-4.7146	7.9559	4.2319	-	-	-
		6.80000	-34.00000	114.00000	-4.4448	7.5006	4.4871	-	-	-
		7.60000	-34.00000	114.00000	-4.1868	7.0652	4.6457	-	-	-
		8.40000	-34.00000	114.00000	-3.9399	6.6485	4.7196	-	-	-
		9.20000	-34.00000	114.00000	-3.7035	6.2497	4.7198	-	-	-
		10.00000	-34.00000	114.00000	-3.4771	5.8676	4.6568	-	-	-
		10.80000	-34.00000	114.00000	-3.2600	5.5013	4.5405	-	-	-
		11.60000	-34.00000	114.00000	-3.0516	5.1496	4.3800	-	-	-
		12.40000	-34.00000	114.00000	-2.8513	4.8116	4.1840	-	-	-
		13.20000	-34.00000	114.00000	-2.6585	4.4862	3.9602	-	-	-
		14.00000	-34.00000	114.00000	-2.4726	4.1724	3.7158	-	-	-
		14.80000	-34.00000	114.00000	-2.2929	3.8692	3.4576	-	-	-
		15.60000	-34.00000	114.00000	-2.1188	3.5755	3.1913	-	-	-
		16.40000	-34.00000	114.00000	-1.9498	3.2903	2.9223	-	-	-
		17.20000	-34.00000	114.00000	-1.7853	3.0126	2.6552	-	-	-
		18.00000	-34.00000	114.00000	-1.6245	2.7413	2.3940	-	-	-
		18.80000	-34.00000	114.00000	-1.4669	2.4754	2.1420	-	-	-
		19.60000	-34.00000	114.00000	-1.3120	2.2139	1.9019	-	-	-
		20.40000	-34.00000	114.00000	-1.1590	1.9557	1.6757	-	-	-
		21.20000	-34.00000	114.00000	-1.0073	1.6999	1.4647	-	-	-
		22.00000	-34.00000	114.00000	-0.85645	1.4453	1.2698	-	-	-
		22.80000	-34.00000	114.00000	-0.70572	1.1909	1.0909	-	-	-
		23.60000	-34.00000	114.00000	-0.37761	0.59366	0.60763	-	-	-
		24.40000	-34.00000	114.00000	-0.31707	0.45780	0.48354	-	-	-
		25.20000	-34.00000	114.00000	-0.25099	0.33342	0.36736	-	-	-
		26.00000	-34.00000	114.00000	-0.18016	0.22065	0.25820	-	-	-
		26.80000	-34.00000	114.00000	-0.10526	0.11914	0.15202	-	-	-
		27.60000	-34.00000	114.00000	-0.026890	0.028191	0.041352	-	-	-
		28.40000	-34.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-34.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-34.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-35.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-35.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-35.00000	114.00000	0.056176	0.032769	0.058367	-	-	-
		-7.60000	-35.00000	114.00000	0.28001	0.16334	0.26469	-	-	-
		-6.80000	-35.00000	114.00000	0.50384	0.29391	0.46454	-	-	-
		-6.00000	-35.00000	114.00000	0.72768	0.42448	0.67896	-	-	-
		-5.20000	-35.00000	114.00000	0.95151	0.55505	0.92362	-	-	-
		-4.40000	-35.00000	114.00000	1.3666	0.79720	1.2088	-	-	-
		-3.60000	-35.00000	114.00000	1.7999	1.0500	1.5396	-	-	-
		-2.80000	-35.00000	114.00000	2.2380	1.3055	1.9154	-	-	-
		-2.00000	-35.00000	114.00000	2.6858	1.5667	2.3306	-	-	-
		-1.20000	-35.00000	114.00000	3.1485	1.8366	2.7740	-	-	-
		-0.40000	-35.00000	114.00000	3.6310	2.1181	3.2291	-	-	-
		0.40000	-35.00000	114.00000	4.1385	2.4141	3.6740	-	-	-
		1.20000	-35.00000	114.00000	4.6759	2.7276	4.0817	-	-	-
		2.00000	-35.00000	114.00000	5.2483	3.0615	4.4193	-	-	-
		2.80000	-35.00000	114.00000	5.8607	3.4188	4.6491	-	-	-
		3.60000	-35.00000	114.00000	6.5183	3.8023	4.7278	-	-	-
		4.40000	-35.00000	114.00000	3.9512	2.8133	2.9105	-	-	-
		5.20000	-35.00000	114.00000	-2.2175	4.5693	2.8602	-	-	-
		6.00000	-35.00000	114.00000	-4.1592	7.0187	4.6577	-	-	-
		6.80000	-35.00000	114.00000	-3.9135	6.6041	4.7230	-	-	-
		7.60000	-35.00000	114.00000	-3.6783	6.2071	4.7158	-	-	-
		8.40000	-35.00000	114.00000	-3.4529	5.8268	4.6465	-	-	-
		9.20000	-35.00000	114.00000	-3.2368	5.4621	4.5249	-	-	-
		10.00000	-35.00000	114.00000	-3.0293	5.1120	4.3602	-	-	-
		10.80000	-35.00000	114.00000	-2.8299	4.7754	4.1607	-	-	-
		11.60000	-35.00000	114.00000	-2.6378	4.4514	3.9343	-	-	-
		12.40000	-35.00000	114.00000	-2.4526	4.1388	3.6882	-	-	-
		13.20000	-35.00000	114.00000	-2.2736	3.8367	3.4287	-	-	-
		14.00000	-35.00000	114.00000	-2.1001	3.5439	3.1619	-	-	-
		14.80000	-35.00000	114.00000	-1.9316	3.2596	2.8929	-	-	-
		15.60000	-35.00000	114.00000	-1.7675	2.9826	2.6263	-	-	-
		16.40000	-35.00000	114.00000	-1.6071	2.7120	2.3660	-	-	-
		17.20000	-35.00000	114.00000	-1.4499	2.4466	2.1151	-	-	-
		18.00000	-35.00000	114.00000	-1.2951	2.1855	1.8764	-	-	-
		18.80000	-35.00000	114.00000	-1.1423	1.9277	1.6518	-	-	-
		19.60000	-35.00000	114.00000	-0.99080	1.6720	1.4426	-	-	-
		20.40000	-35.00000	114.00000	-0.83997	1.4174	1.2494	-	-	-
		21.20000	-35.00000	114.00000	-0.68922	1.1631	1.0723	-	-	-
		22.00000	-35.00000	114.00000	-0.55502	0.93660	0.91058	-	-	-
		22.80000	-35.00000	114.00000	-0.47705	0.80503	0.76293	-	-	-
		23.60000	-35.00000	114.00000	-0.26872	0.45074	0.42169	-	-	-
		24.40000	-35.00000	114.00000	-0.21305	0.33117	0.32462	-	-	-
		25.20000	-35.00000	114.00000	-0.15185	0.21897	0.22850	-	-	-
		26.00000	-35.00000	114.00000	-0.085784	0.11493	0.13073	-	-	-
		26.80000	-35.00000	114.00000	-0.015481	0.019301	0.025703	-	-	-
		27.60000	-35.00000	114.00000	0.0	0.0	0.0	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		28.40000	-35.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-35.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-35.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-36.00000	114.00000	0.11680	0.068132	0.11629	-	-	-
		-6.80000	-36.00000	114.00000	0.34063	0.19870	0.31848	-	-	-
		-6.00000	-36.00000	114.00000	0.56447	0.32927	0.52042	-	-	-
		-5.20000	-36.00000	114.00000	0.78830	0.45984	0.74171	-	-	-
		-4.40000	-36.00000	114.00000	1.0508	0.61297	0.99655	-	-	-
		-3.60000	-36.00000	114.00000	1.4838	0.86555	1.2938	-	-	-
		-2.80000	-36.00000	114.00000	1.9179	1.1188	1.6370	-	-	-
		-2.00000	-36.00000	114.00000	2.3581	1.3755	2.0243	-	-	-
		-1.20000	-36.00000	114.00000	2.8094	1.6388	2.4485	-	-	-
		-0.40000	-36.00000	114.00000	3.2770	1.9116	2.8969	-	-	-
		0.40000	-36.00000	114.00000	3.7658	2.1967	3.3516	-	-	-
		1.20000	-36.00000	114.00000	4.2808	2.4972	3.7894	-	-	-
		2.00000	-36.00000	114.00000	4.8272	2.8159	4.1815	-	-	-
		2.80000	-36.00000	114.00000	3.3327	2.1048	2.9283	-	-	-
		3.60000	-36.00000	114.00000	2.7269	2.3253	2.8235	-	-	-
		4.40000	-36.00000	114.00000	1.2270	2.4989	2.4809	-	-	-
		5.20000	-36.00000	114.00000	-0.91077	3.4016	2.7458	-	-	-
		6.00000	-36.00000	114.00000	-3.6532	6.1647	4.7110	-	-	-
		6.80000	-36.00000	114.00000	-3.4289	5.7862	4.6356	-	-	-
		7.60000	-36.00000	114.00000	-3.2137	5.4231	4.5089	-	-	-
		8.40000	-36.00000	114.00000	-3.0071	5.0745	4.3399	-	-	-
		9.20000	-36.00000	114.00000	-2.8085	4.7394	4.1371	-	-	-
		10.00000	-36.00000	114.00000	-2.6173	4.4166	3.9082	-	-	-
		10.80000	-36.00000	114.00000	-2.4327	4.1053	3.6603	-	-	-
		11.60000	-36.00000	114.00000	-2.2543	3.8042	3.3998	-	-	-
		12.40000	-36.00000	114.00000	-2.0815	3.5125	3.1325	-	-	-
		13.20000	-36.00000	114.00000	-1.9135	3.2290	2.8636	-	-	-
		14.00000	-36.00000	114.00000	-1.7498	2.9528	2.5975	-	-	-
		14.80000	-36.00000	114.00000	-1.5898	2.6827	2.3380	-	-	-
		15.60000	-36.00000	114.00000	-1.4328	2.4179	2.0884	-	-	-
		16.40000	-36.00000	114.00000	-1.2783	2.1572	1.8512	-	-	-
		17.20000	-36.00000	114.00000	-1.1257	1.8996	1.6282	-	-	-
		18.00000	-36.00000	114.00000	-0.97428	1.6441	1.4207	-	-	-
		18.80000	-36.00000	114.00000	-0.82349	1.3896	1.2293	-	-	-
		19.60000	-36.00000	114.00000	-0.67271	1.1352	1.0539	-	-	-
		20.40000	-36.00000	114.00000	-0.54650	0.92221	0.89377	-	-	-
		21.20000	-36.00000	114.00000	-0.46853	0.79064	0.74756	-	-	-
		22.00000	-36.00000	114.00000	-0.39056	0.65907	0.61325	-	-	-
		22.80000	-36.00000	114.00000	-0.31259	0.52749	0.48816	-	-	-
		23.60000	-36.00000	114.00000	-0.23462	0.39592	0.36896	-	-	-
		24.40000	-36.00000	114.00000	-0.10520	0.17347	0.16787	-	-	-
		25.20000	-36.00000	114.00000	-0.048342	0.074474	0.079186	-	-	-
		26.00000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-36.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-37.00000	114.00000	0.17742	0.10349	0.17240	-	-	-
		-6.00000	-37.00000	114.00000	0.40125	0.23406	0.37228	-	-	-
		-5.20000	-37.00000	114.00000	0.62509	0.36463	0.57775	-	-	-
		-4.40000	-37.00000	114.00000	0.84892	0.49520	0.80694	-	-	-
		-3.60000	-37.00000	114.00000	1.1683	0.68148	1.0726	-	-	-
		-2.80000	-37.00000	114.00000	1.6010	0.93394	1.3822	-	-	-
		-2.00000	-37.00000	114.00000	2.0363	1.1878	1.7378	-	-	-
		-1.20000	-37.00000	114.00000	2.4790	1.4461	2.1360	-	-	-
		-0.40000	-37.00000	114.00000	2.9342	1.7116	2.5682	-	-	-
		0.40000	-37.00000	114.00000	3.4070	1.9874	3.0203	-	-	-
		1.20000	-37.00000	114.00000	2.4497	1.5177	2.2738	-	-	-
		2.00000	-37.00000	114.00000	2.4007	1.7094	2.4428	-	-	-
		2.80000	-37.00000	114.00000	2.1159	1.8916	2.5065	-	-	-
		3.60000	-37.00000	114.00000	1.4946	2.0489	2.4382	-	-	-
		4.40000	-37.00000	114.00000	0.49623	2.1905	2.2704	-	-	-
		5.20000	-37.00000	114.00000	-0.59669	2.8136	2.5890	-	-	-
		6.00000	-37.00000	114.00000	-1.5954	3.2875	2.8400	-	-	-
		6.80000	-37.00000	114.00000	-2.9850	5.0373	4.3192	-	-	-
		7.60000	-37.00000	114.00000	-2.7873	4.7035	4.1132	-	-	-
		8.40000	-37.00000	114.00000	-2.5968	4.3820	3.8819	-	-	-
		9.20000	-37.00000	114.00000	-2.4129	4.0718	3.6323	-	-	-
		10.00000	-37.00000	114.00000	-2.2352	3.7719	3.3708	-	-	-
		10.80000	-37.00000	114.00000	-2.0629	3.4811	3.1031	-	-	-
		11.60000	-37.00000	114.00000	-1.8954	3.1984	2.8343	-	-	-
		12.40000	-37.00000	114.00000	-1.7321	2.9229	2.5687	-	-	-
		13.20000	-37.00000	114.00000	-1.5725	2.6535	2.3102	-	-	-
		14.00000	-37.00000	114.00000	-1.4158	2.3892	2.0618	-	-	-
		14.80000	-37.00000	114.00000	-1.2616	2.1289	1.8261	-	-	-
		15.60000	-37.00000	114.00000	-1.1091	1.8716	1.6047	-	-	-
		16.40000	-37.00000	114.00000	-0.95777	1.6162	1.3990	-	-	-
		17.20000	-37.00000	114.00000	-0.80701	1.3618	1.2093	-	-	-
		18.00000	-37.00000	114.00000	-0.65619	1.1073	1.0357	-	-	-
		18.80000	-37.00000	114.00000	-0.53797	0.90782	0.87713	-	-	-
		19.60000	-37.00000	114.00000	-0.46000	0.77625	0.73234	-	-	-
		20.40000	-37.00000	114.00000	-0.38203	0.64467	0.59917	-	-	-
		21.20000	-37.00000	114.00000	-0.30406	0.51310	0.47490	-	-	-
		22.00000	-37.00000	114.00000	-0.22609	0.38153	0.35612	-	-	-
		22.80000	-37.00000	114.00000	-0.14812	0.24995	0.23880	-	-	-
		23.60000	-37.00000	114.00000	-0.070151	0.11838	0.11823	-	-	-
		24.40000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-37.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-38.00000	114.00000	0.014207	0.0082875	0.016904	-	-	-
		-6.00000	-38.00000	114.00000	0.23804	0.13886	0.22722	-	-	-
		-5.20000	-38.00000	114.00000	0.46188	0.26943	0.42652	-	-	-
		-4.40000	-38.00000	114.00000	0.68571	0.40000	0.63685	-	-	-
		-3.60000	-38.00000	114.00000	0.90954	0.53057	0.87489	-	-	-
		-2.80000	-38.00000	114.00000	1.2855	0.74988	1.1520	-	-	-
		-2.00000	-38.00000	114.00000	1.7185	1.0024	1.4740	-	-	-
		-1.20000	-38.00000	114.00000	2.1552	1.2572	1.8417	-	-	-
		-0.40000	-38.00000	114.00000	1.6444	1.0109	1.4754	-	-	-
		0.40000	-38.00000	114.00000	1.7563	1.1813	1.7054	-	-	-
		1.20000	-38.00000	114.00000	1.7689	1.3477	1.9020	-	-	-
		2.00000	-38.00000	114.00000	1.6480	1.5057	2.0417	-	-	-
		2.80000	-38.00000	114.00000	1.3553	1.6475	2.1031	-	-	-
		3.60000	-38.00000	114.00000	0.86509	1.7618	2.0731	-	-	-
		4.40000	-38.00000	114.00000	0.22916	1.9676	2.1008	-	-	-
		5.20000	-38.00000	114.00000	-0.43891	2.3496	2.3130	-	-	-
		6.00000	-38.00000	114.00000	-1.0672	2.6452	2.4620	-	-	-
		6.80000	-38.00000	114.00000	-1.5522	2.8066	2.5194	-	-	-
		7.60000	-38.00000	114.00000	-2.3932	4.0385	3.6042	-	-	-
		8.40000	-38.00000	114.00000	-2.2161	3.7396	3.3417	-	-	-
		9.20000	-38.00000	114.00000	-2.0443	3.4498	3.0737	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		10.00000	-38.00000	114.00000	-1.8773	3.1680	2.8050	-	-	-
		10.80000	-38.00000	114.00000	-1.7145	2.8932	2.5400	-	-	-
		11.60000	-38.00000	114.00000	-1.5552	2.6244	2.2825	-	-	-
		12.40000	-38.00000	114.00000	-1.3988	2.3605	2.0354	-	-	-
		13.20000	-38.00000	114.00000	-1.2448	2.1006	1.8011	-	-	-
		14.00000	-38.00000	114.00000	-1.0925	1.8436	1.5814	-	-	-
		14.80000	-38.00000	114.00000	-0.94126	1.5884	1.3775	-	-	-
		15.60000	-38.00000	114.00000	-0.79053	1.3340	1.1896	-	-	-
		16.40000	-38.00000	114.00000	-0.63967	1.0794	1.0176	-	-	-
		17.20000	-38.00000	114.00000	-0.52944	0.89343	0.86066	-	-	-
		18.00000	-38.00000	114.00000	-0.45147	0.76186	0.71725	-	-	-
		18.80000	-38.00000	114.00000	-0.37350	0.63028	0.58520	-	-	-
		19.60000	-38.00000	114.00000	-0.29553	0.49871	0.46171	-	-	-
		20.40000	-38.00000	114.00000	-0.21756	0.36714	0.34330	-	-	-
		21.20000	-38.00000	114.00000	-0.13959	0.23556	0.22586	-	-	-
		22.00000	-38.00000	114.00000	-0.061623	0.10399	0.10462	-	-	-
		22.80000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-38.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-39.00000	114.00000	0.074829	0.043650	0.076417	-	-	-
		-5.20000	-39.00000	114.00000	0.29866	0.17422	0.28127	-	-	-
		-4.40000	-39.00000	114.00000	0.52250	0.30479	0.48160	-	-	-
		-3.60000	-39.00000	114.00000	0.74633	0.43536	0.69801	-	-	-
		-2.80000	-39.00000	114.00000	0.97017	0.56593	0.94573	-	-	-
		-2.00000	-39.00000	114.00000	0.88911	0.54422	0.80981	-	-	-
		-1.20000	-39.00000	114.00000	1.0793	0.70607	1.0005	-	-	-
		-0.40000	-39.00000	114.00000	1.2117	0.86279	1.1948	-	-	-
		0.40000	-39.00000	114.00000	1.2737	1.0135	1.3794	-	-	-
		1.20000	-39.00000	114.00000	1.2493	1.1558	1.5381	-	-	-
		2.00000	-39.00000	114.00000	1.1214	1.2859	1.6542	-	-	-
		2.80000	-39.00000	114.00000	0.87650	1.3978	1.7136	-	-	-
		3.60000	-39.00000	114.00000	0.51451	1.4841	1.7082	-	-	-
		4.40000	-39.00000	114.00000	0.10056	1.6976	1.8200	-	-	-
		5.20000	-39.00000	114.00000	-0.33583	1.9481	1.9647	-	-	-
		6.00000	-39.00000	114.00000	-0.75109	2.1406	2.0548	-	-	-
		6.80000	-39.00000	114.00000	-1.0919	2.2500	2.0760	-	-	-
		7.60000	-39.00000	114.00000	-1.3275	2.2672	2.0234	-	-	-
		8.40000	-39.00000	114.00000	-1.8593	3.1376	2.7758	-	-	-
		9.20000	-39.00000	114.00000	-1.6969	2.8635	2.5114	-	-	-
		10.00000	-39.00000	114.00000	-1.5380	2.5953	2.2549	-	-	-
		10.80000	-39.00000	114.00000	-1.3819	2.3319	2.0091	-	-	-
		11.60000	-39.00000	114.00000	-1.2281	2.0724	1.7764	-	-	-
		12.40000	-39.00000	114.00000	-1.0759	1.8156	1.5584	-	-	-
		13.20000	-39.00000	114.00000	-0.92476	1.5605	1.3561	-	-	-
		14.00000	-39.00000	114.00000	-0.77404	1.3062	1.1700	-	-	-
		14.80000	-39.00000	114.00000	-0.62313	1.0515	0.99972	-	-	-
		15.60000	-39.00000	114.00000	-0.52091	0.87904	0.84435	-	-	-
		16.40000	-39.00000	114.00000	-0.44294	0.74747	0.70230	-	-	-
		17.20000	-39.00000	114.00000	-0.36497	0.61589	0.57134	-	-	-
		18.00000	-39.00000	114.00000	-0.28700	0.48432	0.44858	-	-	-
		18.80000	-39.00000	114.00000	-0.20903	0.35275	0.33049	-	-	-
		19.60000	-39.00000	114.00000	-0.13107	0.22117	0.21287	-	-	-
		20.40000	-39.00000	114.00000	-0.053096	0.089599	0.090907	-	-	-
		21.20000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-39.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-40.00000	114.00000	0.13545	0.079013	0.13372	-	-	-
		-4.40000	-40.00000	114.00000	0.23932	0.13981	0.22338	-	-	-
		-3.60000	-40.00000	114.00000	0.37013	0.22595	0.35238	-	-	-
		-2.80000	-40.00000	114.00000	0.48160	0.30989	0.48601	-	-	-
		-2.00000	-40.00000	114.00000	0.58755	0.40303	0.62847	-	-	-
		-1.20000	-40.00000	114.00000	0.74570	0.55354	0.77856	-	-	-
		-0.40000	-40.00000	114.00000	0.84887	0.69608	0.93044	-	-	-
		0.40000	-40.00000	114.00000	0.88957	0.82969	1.0747	-	-	-
		1.20000	-40.00000	114.00000	0.85965	0.95237	1.2000	-	-	-
		2.00000	-40.00000	114.00000	0.75231	1.0611	1.2944	-	-	-
		2.80000	-40.00000	114.00000	0.56549	1.1517	1.3484	-	-	-
		3.60000	-40.00000	114.00000	0.30739	1.2244	1.3615	-	-	-
		4.40000	-40.00000	114.00000	0.034377	1.4175	1.4933	-	-	-
		5.20000	-40.00000	114.00000	-0.25878	1.5869	1.5918	-	-	-
		6.00000	-40.00000	114.00000	-0.53900	1.7136	1.6457	-	-	-
		6.80000	-40.00000	114.00000	-0.77565	1.7831	1.6476	-	-	-
		7.60000	-40.00000	114.00000	-0.94740	1.7879	1.5956	-	-	-
		8.40000	-40.00000	114.00000	-1.5208	2.5663	2.2274	-	-	-
		9.20000	-40.00000	114.00000	-1.3650	2.3034	1.9830	-	-	-
		10.00000	-40.00000	114.00000	-1.2114	2.0442	1.7518	-	-	-
		10.80000	-40.00000	114.00000	-1.0593	1.7876	1.5355	-	-	-
		11.60000	-40.00000	114.00000	-0.90827	1.5327	1.3350	-	-	-
		12.40000	-40.00000	114.00000	-0.75756	1.2784	1.1506	-	-	-
		13.20000	-40.00000	114.00000	-0.60659	1.0236	0.98202	-	-	-
		14.00000	-40.00000	114.00000	-0.51238	0.86465	0.82820	-	-	-
		14.80000	-40.00000	114.00000	-0.43442	0.73308	0.68748	-	-	-
		15.60000	-40.00000	114.00000	-0.35645	0.60150	0.55757	-	-	-
		16.40000	-40.00000	114.00000	-0.27848	0.46993	0.43550	-	-	-
		17.20000	-40.00000	114.00000	-0.20051	0.33836	0.31768	-	-	-
		18.00000	-40.00000	114.00000	-0.12254	0.20678	0.19984	-	-	-
		18.80000	-40.00000	114.00000	-0.044568	0.075208	0.077075	-	-	-
		19.60000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-40.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-8.40000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-41.00000	114.00000	0.11329	0.072109	0.11673	-	-	-
		-3.60000	-41.00000	114.00000	0.222987	0.15400	0.23534	-	-	-
		-2.80000	-41.00000	114.00000	0.32761	0.23326	0.34854	-	-	-
		-2.00000	-41.00000	114.00000	0.40373	0.30937	0.46265	-	-	-
		-1.20000	-41.00000	114.00000	0.45802	0.38400	0.57906	-	-	-
		-0.40000	-41.00000	114.00000	0.54888	0.51486	0.69508	-	-	-
		0.40000	-41.00000	114.00000	0.58619	0.63481	0.80493	-	-	-
		1.20000	-41.00000	114.00000	0.56683	0.74235	0.90100	-	-	-
		2.00000	-41.00000	114.00000	0.48960	0.83530	0.97533	-	-	-
		2.80000	-41.00000	114.00000	0.35701	0.91094	1.0211	-	-	-
		3.60000	-41.00000	114.00000	0.18617	1.0011	1.0721	-	-	-
		4.40000	-41.00000	114.00000	770.20E-6	1.1380	1.1658	-	-	-
		5.20000	-41.00000	114.00000	-0.19615	1.2529	1.2318	-	-	-
		6.00000	-41.00000	114.00000	-0.38428	1.3344	1.2633	-	-	-
		6.80000	-41.00000	114.00000	-0.54444	1.3732	1.2562	-	-	-
		7.60000	-41.00000	114.00000	-0.66174	1.3635	1.2101	-	-	-
		8.40000	-41.00000	114.00000	-0.72713	1.3037	1.1289	-	-	-
		9.20000	-41.00000	114.00000	-1.0428	1.7597	1.5128	-	-	-
		10.00000	-41.00000	114.00000	-0.89178	1.5049	1.3140	-	-	-
		10.80000	-41.00000	114.00000	-0.74107	1.2506	1.1314	-	-	-
		11.60000	-41.00000	114.00000	-0.59003	0.99568	0.96450	-	-	-
		12.40000	-41.00000	114.00000	-0.50386	0.85026	0.81220	-	-	-
		13.20000	-41.00000	114.00000	-0.42589	0.71868	0.67279	-	-	-
		14.00000	-41.00000	114.00000	-0.34792	0.58711	0.54390	-	-	-
		14.80000	-41.00000	114.00000	-0.26995	0.45554	0.42248	-	-	-
		15.60000	-41.00000	114.00000	-0.19198	0.32396	0.30488	-	-	-
		16.40000	-41.00000	114.00000	-0.11401	0.19239	0.18675	-	-	-
		17.20000	-41.00000	114.00000	-0.036040	0.060817	0.063117	-	-	-
		18.00000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-41.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-42.00000	114.00000	0.10143	0.074426	0.11565	-	-	-
		-2.80000	-42.00000	114.00000	0.18975	0.14909	0.21878	-	-	-
		-2.00000	-42.00000	114.00000	0.25829	0.22025	0.31425	-	-	-
		-1.20000	-42.00000	114.00000	0.30500	0.28731	0.40605	-	-	-
		-0.40000	-42.00000	114.00000	0.32802	0.34954	0.49444	-	-	-
		0.40000	-42.00000	114.00000	0.34540	0.43044	0.57681	-	-	-
		1.20000	-42.00000	114.00000	0.34414	0.52683	0.64881	-	-	-
		2.00000	-42.00000	114.00000	0.29880	0.60852	0.70544	-	-	-
		2.80000	-42.00000	114.00000	0.21353	0.67376	0.74222	-	-	-
		3.60000	-42.00000	114.00000	0.10704	0.76381	0.80274	-	-	-
		4.40000	-42.00000	114.00000	-0.013998	0.85993	0.86740	-	-	-
		5.20000	-42.00000	114.00000	-0.14204	0.93604	0.91071	-	-	-
		6.00000	-42.00000	114.00000	-0.26361	0.98452	0.92834	-	-	-
		6.80000	-42.00000	114.00000	-0.36577	0.99899	0.91807	-	-	-
		7.60000	-42.00000	114.00000	-0.43779	0.97500	0.88026	-	-	-
		8.40000	-42.00000	114.00000	-0.47198	0.91023	0.81778	-	-	-
		9.20000	-42.00000	114.00000	-0.46385	0.80425	0.73549	-	-	-
		10.00000	-42.00000	114.00000	-0.57330	0.96744	0.94716	-	-	-
		10.80000	-42.00000	114.00000	-0.49533	0.83587	0.79637	-	-	-
		11.60000	-42.00000	114.00000	-0.41736	0.70429	0.65823	-	-	-
		12.40000	-42.00000	114.00000	-0.33939	0.57272	0.53031	-	-	-
		13.20000	-42.00000	114.00000	-0.26142	0.44115	0.40951	-	-	-
		14.00000	-42.00000	114.00000	-0.18345	0.30957	0.29206	-	-	-
		14.80000	-42.00000	114.00000	-0.10548	0.17800	0.17359	-	-	-
		15.60000	-42.00000	114.00000	-0.027512	0.046426	0.049028	-	-	-
		16.40000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-42.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-43.00000	114.00000	0.067866	0.058653	0.088799	-	-	-
		-2.00000	-43.00000	114.00000	0.13246	0.12518	0.17759	-	-	-
		-1.20000	-43.00000	114.00000	0.17801	0.18742	0.25576	-	-	-
		-0.40000	-43.00000	114.00000	0.20350	0.24473	0.32629	-	-	-
		0.40000	-43.00000	114.00000	0.20836	0.29641	0.38944	-	-	-
		1.20000	-43.00000	114.00000	0.19276	0.34169	0.44362	-	-	-
		2.00000	-43.00000	114.00000	0.15784	0.37981	0.48633	-	-	-
		2.80000	-43.00000	114.00000	0.11285	0.43681	0.51530	-	-	-
		3.60000	-43.00000	114.00000	0.054699	0.51524	0.57077	-	-	-
		4.40000	-43.00000	114.00000	-0.016871	0.58066	0.61412	-	-	-
		5.20000	-43.00000	114.00000	-0.092910	0.62756	0.64171	-	-	-
		6.00000	-43.00000	114.00000	-0.16384	0.65055	0.65086	-	-	-
		6.80000	-43.00000	114.00000	-0.22038	0.64496	0.64035	-	-	-
		7.60000	-43.00000	114.00000	-0.25441	0.60716	0.61056	-	-	-
		8.40000	-43.00000	114.00000	-0.27339	0.56334	0.56341	-	-	-
		9.20000	-43.00000	114.00000	-0.28226	0.52075	0.50181	-	-	-
		10.00000	-43.00000	114.00000	-0.27130	0.45943	0.42900	-	-	-
		10.80000	-43.00000	114.00000	-0.33086	0.55833	0.51681	-	-	-
		11.60000	-43.00000	114.00000	-0.25289	0.42676	0.39657	-	-	-
		12.40000	-43.00000	114.00000	-0.17492	0.29518	0.27924	-	-	-
		13.20000	-43.00000	114.00000	-0.096953	0.16361	0.16036	-	-	-

Oasys

Job No.	Sheet No.	Rev.
J17268		

Drg. Ref.

Made by MP | Date 07-Dec-2017 | Checked

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		14.00000	-43.00000	114.00000	-0.018984	0.032035	0.034798	-	-	-
		14.80000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-43.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-44.00000	114.00000	0.024244	0.025288	0.038595	-	-	-
		-1.20000	-44.00000	114.00000	0.071025	0.083161	0.11586	-	-	-
		-0.40000	-44.00000	114.00000	0.10088	0.13610	0.17984	-	-	-
		0.40000	-44.00000	114.00000	0.11380	0.18352	0.23336	-	-	-
		1.20000	-44.00000	114.00000	0.11037	0.22478	0.27727	-	-	-
		2.00000	-44.00000	114.00000	0.091903	0.25927	0.31126	-	-	-
		2.80000	-44.00000	114.00000	0.062249	0.29290	0.34217	-	-	-
		3.60000	-44.00000	114.00000	0.026718	0.33399	0.37992	-	-	-
		4.40000	-44.00000	114.00000	-0.014388	0.36865	0.40837	-	-	-
		5.20000	-44.00000	114.00000	-0.057257	0.39456	0.42529	-	-	-
		6.00000	-44.00000	114.00000	-0.097864	0.40945	0.42905	-	-	-
		6.80000	-44.00000	114.00000	-0.13229	0.41135	0.41886	-	-	-
		7.60000	-44.00000	114.00000	-0.15703	0.39866	0.39484	-	-	-
		8.40000	-44.00000	114.00000	-0.16921	0.37032	0.35783	-	-	-
		9.20000	-44.00000	114.00000	-0.16673	0.32579	0.30898	-	-	-
		10.00000	-44.00000	114.00000	-0.14827	0.26502	0.24919	-	-	-
		10.80000	-44.00000	114.00000	-0.16640	0.28079	0.26640	-	-	-
		11.60000	-44.00000	114.00000	-0.088425	0.14922	0.14705	-	-	-
		12.40000	-44.00000	114.00000	-0.010456	0.017644	0.020419	-	-	-
		13.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-44.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-1.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-0.40000	-45.00000	114.00000	0.016262	0.024480	0.035149	-	-	-
		0.40000	-45.00000	114.00000	0.037528	0.068184	0.089948	-	-	-
		1.20000	-45.00000	114.00000	0.045596	0.10601	0.13245	-	-	-
		2.00000	-45.00000	114.00000	0.041795	0.13745	0.16429	-	-	-
		2.80000	-45.00000	114.00000	0.029768	0.16867	0.19398	-	-	-
		3.60000	-45.00000	114.00000	0.011739	0.19818	0.22056	-	-	-
		4.40000	-45.00000	114.00000	-0.010408	0.22132	0.23933	-	-	-
		5.20000	-45.00000	114.00000	-0.033728	0.23630	0.24906	-	-	-
		6.00000	-45.00000	114.00000	-0.055144	0.24139	0.24870	-	-	-
		6.80000	-45.00000	114.00000	-0.071646	0.23505	0.23756	-	-	-
		7.60000	-45.00000	114.00000	-0.080491	0.21605	0.21527	-	-	-
		8.40000	-45.00000	114.00000	-0.079352	0.18349	0.18158	-	-	-
		9.20000	-45.00000	114.00000	-0.066412	0.13685	0.13598	-	-	-
		10.00000	-45.00000	114.00000	-0.040399	0.075954	0.077228	-	-	-
		10.80000	-45.00000	114.00000	-556.35E-6	971.06E-6	0.0026958	-	-	-
		11.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		12.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		13.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-45.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		-4.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-1.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-0.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		0.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		1.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.00000	-46.00000	114.00000	0.0038388	0.014660	0.019857	-	-	-
		2.80000	-46.00000	114.00000	0.0057817	0.039217	0.048685	-	-	-
		3.60000	-46.00000	114.00000	0.0024992	0.058992	0.069891	-	-	-
		4.40000	-46.00000	114.00000	-0.0038881	0.072559	0.083097	-	-	-
		5.20000	-46.00000	114.00000	-0.011050	0.078500	0.087692	-	-	-
		6.00000	-46.00000	114.00000	-0.016572	0.075464	0.082936	-	-	-
		6.80000	-46.00000	114.00000	-0.018086	0.062243	0.067994	-	-	-
		7.60000	-46.00000	114.00000	-0.013402	0.037834	0.041866	-	-	-
		8.40000	-46.00000	114.00000	-610.97E-6	0.0014859	0.0031772	-	-	-
		9.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		11.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		12.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		13.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-46.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-1.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-0.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		0.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		1.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		3.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		4.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		5.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		7.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		8.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		9.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		11.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		12.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		13.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-47.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-1.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-0.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		0.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		1.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		3.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		4.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		5.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		7.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		8.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		9.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		11.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		12.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		13.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
		18.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-48.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-1.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-0.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		0.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		1.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		3.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		4.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		5.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		7.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		8.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		9.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		11.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		12.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		13.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-49.00000	114.00000	0.0	0.0	0.0	-	-	-
		-10.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-9.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-8.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-7.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-6.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-5.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-4.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-3.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-2.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-1.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		-0.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		0.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		1.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		2.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		3.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		4.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		5.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		6.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		7.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		8.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		9.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		10.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		11.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		12.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		13.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		14.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		15.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		16.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		17.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		18.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		19.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		20.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		21.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		22.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		23.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		24.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		25.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		26.80000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		27.60000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		28.40000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		29.20000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
		30.00000	-50.00000	114.00000	0.0	0.0	0.0	-	-	-
Line 39	Line 1	-5.50000	-10.00000	113.00000	0.0	0.0	0.0	0.0	0.0	284.38
		2.0131	-5.00000	-11.95000	113.00000	0.054854	-0.081003	0.10406	0.092089	0.033016	284.38
		4.0262	-4.50000	-13.90000	113.00000	0.25737	-0.30068	0.41445	0.35518	0.17462	284.38
		6.0392	-4.00000	-15.85000	113.00000	0.65365	-0.53412	0.81274	0.67974	0.50051	284.38
		8.0523	-3.50000	-17.80000	113.00000	1.3609	-0.65105	1.3957	0.96867	1.1566	284.38
		10.065	-3.00000	-19.75000	113.00000	2.4279	-0.44631	2.0600	1.0354	2.2410	284.38
		12.078	-2.50000	-21.70000	113.00000	4.5920	-0.30613	3.5362	1.4371	4.3721	284.38
		14.092	-2.00000	-23.65000	113.00000	5.1447	-0.34298	3.9226	1.6100	4.8983	284.38
		16.105	-1.50000	-25.60000	113.00000	5.7289	-0.38193	4.2627	1.7929	5.4545	284.38
		18.118	-1.00000	-27.55000	113.00000	6.3490	-0.42327	4.5298	1.9869	6.0449	284.38
		20.131	-0.50000	-29.50000	113.00000	5.0597	2.5700	3.9857	-1.2328	5.5395	284.38
		22.144	0.00000	-31.45000	113.00000	5.3008	3.0921	4.4446	-1.6787	5.9027	284.38

Name	Type/No. Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	24.157	0.50000	-33.40000	113.00000	4.8390	2.8227	4.1890	-1.5324	5.3885	284.38
	26.170	1.00000	-35.35000	113.00000	4.4003	2.5668	3.8823	-1.3935	4.9000	284.38
	28.183	1.50000	-37.30000	113.00000	2.2180	1.5386	2.2319	-0.93951	2.5307	284.38
	30.196	2.00000	-39.25000	113.00000	1.0167	1.2299	1.5611	-0.93883	1.2903	284.38
	32.209	2.50000	-41.20000	113.00000	0.37562	0.83803	0.94819	-0.71847	0.57200	284.38
	34.222	3.00000	-43.15000	113.00000	0.089423	0.42197	0.50122	-0.38654	0.19143	284.38
	36.235	3.50000	-45.10000	113.00000	0.012913	0.18115	0.20276	-0.17227	0.057503	284.38
	38.249	4.00000	-47.05000	113.00000	0.0	0.0	0.0	0.0	0.0	284.38
	40.262	4.50000	-49.00000	113.00000	0.0	0.0	0.0	0.0	0.0	284.38

Specific Building Damage Results - Horizontal Displacements

Structure: Boundary Wall | Sub-structure: Sub 39

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	-5.50000	-10.00000	113.00000	0.0	0.0	0.0	0.0
2.0131	-5.00000	-11.95000	113.00000	0.054854	-0.081003	0.092089	0.033016
4.0262	-4.50000	-13.90000	113.00000	0.25737	-0.30068	0.35518	0.17462
6.0392	-4.00000	-15.85000	113.00000	0.65365	-0.53412	0.67974	0.50051
8.0523	-3.50000	-17.80000	113.00000	1.3609	-0.65105	0.96867	1.1566
10.065	-3.00000	-19.75000	113.00000	2.4279	-0.44631	1.0354	2.2410
12.078	-2.50000	-21.70000	113.00000	4.5920	-0.30613	1.4371	4.3721
14.092	-2.00000	-23.65000	113.00000	5.1447	-0.34298	1.6100	4.8983
16.105	-1.50000	-25.60000	113.00000	5.7289	-0.38193	1.7929	5.4545
18.118	-1.00000	-27.55000	113.00000	6.3490	-0.42327	1.9869	6.0449
20.131	-0.50000	-29.50000	113.00000	5.0597	2.5700	-1.2328	5.5395
22.144	0.00000	-31.45000	113.00000	5.3008	3.0921	-1.6787	5.9027
24.157	0.50000	-33.40000	113.00000	4.8390	2.8227	-1.5324	5.3885
26.170	1.00000	-35.35000	113.00000	4.4003	2.5668	-1.3935	4.9000
28.183	1.50000	-37.30000	113.00000	2.2180	1.5386	-0.93951	2.5307
30.196	2.00000	-39.25000	113.00000	1.0167	1.2299	-0.93883	1.2903
32.209	2.50000	-41.20000	113.00000	0.37562	0.83803	-0.71847	0.57200
34.222	3.00000	-43.15000	113.00000	0.089423	0.42197	-0.38654	0.19143
36.235	3.50000	-45.10000	113.00000	0.012913	0.18115	-0.17227	0.057503
38.249	4.00000	-47.05000	113.00000	0.0	0.0	0.0	0.0
40.262	4.50000	-49.00000	113.00000	0.0	0.0	0.0	0.0

Specific Building Damage Results - Vertical Displacements

Structure: Boundary Wall | Sub-structure: Sub 39

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	-5.50000	-10.00000	113.00000	0.0
2.0131	-5.00000	-11.95000	113.00000	0.10406
4.0262	-4.50000	-13.90000	113.00000	0.41445
6.0392	-4.00000	-15.85000	113.00000	0.81274
8.0523	-3.50000	-17.80000	113.00000	1.3957
10.065	-3.00000	-19.75000	113.00000	2.0600
12.078	-2.50000	-21.70000	113.00000	3.5362
14.092	-2.00000	-23.65000	113.00000	3.9226
16.105	-1.50000	-25.60000	113.00000	4.2627
18.118	-1.00000	-27.55000	113.00000	4.5298
20.131	-0.50000	-29.50000	113.00000	3.9857
22.144	0.00000	-31.45000	113.00000	4.4446
24.157	0.50000	-33.40000	113.00000	4.1890
26.170	1.00000	-35.35000	113.00000	3.8823
28.183	1.50000	-37.30000	113.00000	2.2319
30.196	2.00000	-39.25000	113.00000	1.5611
32.209	2.50000	-41.20000	113.00000	0.94819
34.222	3.00000	-43.15000	113.00000	0.50122
36.235	3.50000	-45.10000	113.00000	0.20276
38.249	4.00000	-47.05000	113.00000	0.0
40.262	4.50000	-49.00000	113.00000	0.0

Specific Building Damage Results - All Segments

Structure: Boundary Wall | Sub-structure: Sub 39

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	2.0131	8.6627	Hogging	0.0047135	0.012295	0.019118	-199.51E-6	-733.15E-6	13994.	0 (Negligible)
	2	10.676	8.6283	Sagging	0.0087104	-0.012374	0.0029821	0.0016020	-733.15E-6	11518.	0 (Negligible)
	3	19.304	1.8406	Hogging	0.012218	-0.084037	0.018200	0.0016020	270.71E-6	33928.	0 (Negligible)
	4	21.145	6.4810	Sagging	0.013054	0.0060507	0.025801	-225.46E-6	819.68E-6	7506.5	0 (Negligible)
	5	27.626	8.6097	Hogging	0.0048337	0.010371	0.017355	-225.46E-6	819.68E-6	12999.	0 (Negligible)

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

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

Structure: Boundary Wall | Sub-structure: Sub 39

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.013054	-0.084037	819.68E-6	4.5250	0.025801	0.0016020	819.68E-6	12999.	7506.5	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
Boundary Wall	Max Slope	Sub 39	4	21.145	27.626	Sagging	**819.68E-6**	4.4408	0.025801	-	7506.5	0 (Negligible)

Oasys

Channing Junior School, Highgate High Street, N6 5JR
Ground Movement and Damage Assessment
Vertical & Horizontal Movements on Sheet piling for Pavilion Structure

Job No.	Sheet No.	Rev.
J17268		
Drg. Ref.		
Made by MP	**Date** 07-Dec-2017	**Checked**

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
	Max Settlement	Sub 39	2	10.676	19.304	Sagging	733.15E-6	**4.5250**	0.0029821	-	11518.	0 (Negligible)
	Max Tensile Strain	Sub 39	4	21.145	27.626	Sagging	819.68E-6	4.4408	**0.025801**	-	7506.5	0 (Negligible)
	Min Radius of Curvature (Hogging)	Sub 39	5	27.626	36.235	Hogging	819.68E-6	2.6888	0.017355	**12999.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	Sub 39	4	21.145	27.626	Sagging	819.68E-6	4.4408	0.025801	-	**7506.5**	0 (Negligible)

Geotechnical & Environmental Associates (GEA) is an engineer-led and client-focused independent specialist providing a complete range of geotechnical and contaminated land investigation, analytical and consultancy services to the property and construction industries.

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where information can be found
on all of the services that we offer.

GEA

Appendix E

Below Ground Drainage CCTV Survey Report - Spaflow

CHANNING SCHOOL
HIGHGATE HILL
LONDON- N6 5HF

REPORT ON THE LOCATION, TRACING, MAPPING & CCTV SURVEY OF THE DRAINAGE

BY

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FOR

HEYNE TILLETT STEEL
4 PEAR TREE COURT
LONDON - EC1R 0DS

ON BEHALF OF:

CHANNING SCHOOL

NOVEMBER 2017

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2.0 EXTENT AND METHOD OF THE SURVEY
3.0 LIMITATIONS OF THE SURVEY
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6.0 RECORD DRAWINGS PRODUCED
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9.0 RECOMMENDATIONS
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1.0 DESCRIPTION OF THE PREMISES

The premises comprise a school on a self contained site.

The building faces Highgate Hill.

The area of interest for this survey is the drainage over the whole site.

At the time of survey the premises were unoccupied during school holidays.

2.0 EXTENT AND METHOD OF THE SURVEY

The extent and method of the survey was as requested by Ms. Siún O'Brien of Heyne Tillett Steel by an email dated 06/10/2017 and as shown in the Spaflow Limited email proposal dated 10/10/2017.

Confirmation to proceed with the survey was given by email from Ms. Siún O'Brien of Heyne Tillett Steel on 10/10/2017 with purchase order No. TBA.

The purpose of the survey is to record the installation in its current form, to provide information to the Consulting Engineers, to assist them with their proposals for the redevelopment of the existing property.

The survey comprised the following:-

To locate, trace, map and CCTV survey, the drainage below ground level and basement level, over the whole site.

Outfalls to the public sewer are included.

The survey was carried out on the 23 & 24/10/2017.

3.0 LIMITATIONS OF THE SURVEY

The scope of the survey was limited to that shown in section 2.0 or otherwise referred to in the text.

No drain cleaning was done, except for local cleaning of interceptor traps, no level checks, flow checks, [apart from route checking tests], leakage tests or other tests were carried out.

Some parts of the system could not be surveyed due to debris or concealment.

As the upper floors were not part of the survey we could not always confirm for certain whether pipes from above received only rainwater or foul drainage, in such cases they were designated as stacks

The work was carried out on days of dry weather.

No responsibility can be accepted for any deficiencies, events or circumstances which may occur and which due to the foregoing circumstances were not identified during the survey.

4.0 HEALTH AND SAFETY

The work was carried out in accordance with the requirements of the Spaflow Method Statement and Health and Safety Procedures Document, and in accordance with the requirements of the client.

No events or incidents occurred during the survey.

No particular findings, which could have an immediate or reasonably foreseeable effect on health and safety were noted.

5.0 INFORMATION UTILISED

The following drawing was provided in digital form.

DRAWING NO:	NOT SHOWN	PART OF AN UNTITLED SITE TOPOGRAPHICAL DWG.

6.0 RECORD DRAWINGS PRODUCED

The following survey record drawings were produced on CAD based on the survey drawing referred to above.

DRAWING NO:	PH01	Record of Tracing, Mapping & CCTV Survey of Drainage – External drainage layout
	PH02	Record of Tracing, Mapping & CCTV Survey of Drainage - Ground Floor Layout
	PH03	Record of Tracing, Mapping & CCTV Survey of Drainage - Basement Layout

7.0 DESCRIPTION OF THE SYSTEM

There are 2 No. individual drainage systems at the school; each has its own outfall to a public sewer.

We have designated them as System 1 and System 2.

7.1 System 1

This system commences at ground floor level in the Fairseat Building at a manhole MH3 located in a male toilet.

MH3 receives, at its head a 100 Ø CI connection from a 100 Ø CI soil vent pipe [SVP] which receives a WC connection.

MH3 also receives 5 No. branch connections, including:-

110 Ø UPVC from a 100 Ø channel outlet.

A 42 Ø UPVC waste pipe [WP] from 2 No. WBs discharges to the channel, as does another 42 Ø UPVC WP from 2 No. WBs.

100 Ø clay [B] from a 100 Ø drain point [DP] and [stub stack - assumed] which receives a WP from a sink. On route the run receives a blind, branch connection from a 100 Ø DP [assumed] 2 No. WCs connect to the assumed DP [all boxed in].

100 Ø clay [C] from an assumed 100 Ø stack from above, 2 No. WCs connect to the stack.

100 Ø clay [D] from what appears to be a 100 Ø clay drain, receiving a 54 Ø UPVC pipe broken into it which receives a 54 Ø UPVC pumped discharge pipe from a pumping station in the basement

At a toilet, near a classroom there is a small pump station, which receives a 110 Ø UPVC soil float at low level. 3 No. WCs connect to this float, as does a 42 Ø UPVC WP from 2 No. WBs and a 42 Ø UPVC WP from 3 No. sinks.

The 54 Ø UPVC pumped discharge pipe rises from the pumping station at low level to high level and offsets to pass through the wall at high level and connect to Branch [D] to MH3.

The final branch is 100 Ø clay [E] from a 100 Ø stack from above. A 42 Ø UPVC sink WP connects to the stack.

The 100 Ø clay outlet from MH3 runs to branch [A] into MH2. On route to MH2, the 100 Ø outlet from an external drainage channel connects blind to the drain run.

In the same vicinity, a 42 Ø UPVC outlet [assumed] below debris and WP from a light-well offsets and discharges over external stairs to drain.

MH2 is located in a paved area at the entrance and receives, at its head a 100 Ø clay connection from an untraced source.

MH2 also receives 6 No. further branch connections, including:-

100 Ø clay [B][via a bend] from a 100 Ø CI SVP from above.

100 Ø clay [C] via an internal high level discharge, from an open top back inlet gully [OTBIG2], OTBIG2 receives 2 No. connections, including:-

From a 100 Ø CI rainwater pipe [RWP] and 100 Ø clay from a channel outlet. On route to OTBIG2 this branch receives a blind, branch connection from an OTBIG. A 68 Ø UPVC RWP from above discharges over the gully

100 Ø [D] from a DP in a staff kitchen. The 100 Ø DP receives a 42 Ø UPVC WP at low level from 2 No. WBs and a sink.

On route to MH2, the run receives 3 No. blind, branch connections, including:-

The first is from a 42 Ø shower outlet to a 100 Ø clay [DP] .

The second is from a 42 Ø UPVC basin WP to a 100 Ø clay DP.

The third is from a 110 Ø stub stack which receives connections from 3 No. WCs.

100 Ø clay [E] from an OTBIG, a 75 Ø UPVC RWP from above connects to the OTBIG. On route the branch receives a 100 Ø blind, branch connection from MH4.

MH4 is located in the paved yard and receives, at its head a 100 Ø clay connection from OTBIG3. The gully receives a branch connection from an untraced source [due to debris]. On route to MH4 the run receives a blind, branch connection from a 100 Ø CI vent pipe [VP] which changes to 110 Ø UPVC at mid level.

MH4 receives one branch connection, 100 Ø clay [A] from a 110 Ø UPVC soil pipe [SP] which drops from above, offsets at high level and drops in a toilet near a stairwell, it receives a connection from a WC and offsets below the floor. On route to MH4, the run receives a blind, branch connection from an assumed 110 Ø UPVC DP. A 36 Ø UPVC basin WP is assumed to connect to this DP.

The 100 Ø clay outlet from MH4 runs to the blind, branch connection on the Branch [E] to MH2 as previously described.

The next branch to MH2 is 100 Ø clay [F] from a sealed pipe.

The final branch to MH2 is 100 Ø clay [G] from a sealed pipe.

The 150 Ø clay outlet from MH2 runs to the head of MH1.

MH1 is located near the boundary wall of the school and receives 2 No. branches, including:-

100 Ø clay [A] from an assumed OTBIG below decking in light-well [A] via OTBIG1. A 110 Ø UPVC RWP from above drops from above, offsets at low level and drops to below ground and is assumed to connect to the OTBIG below the decking.

A 42 Ø UPVC WP drops from above from a sink at a classroom and drops to below the decking adjacent to the 110 Ø UPVC RWP and is assumed to connect to the OTBIG below the decking

A 50 Ø CI WP drops from above adjacent to the 110 Ø UPVC RWP and is assumed to connect to the OTBIG below the decking.

On route to MH1, the 100 Ø clay outlet [A] from the assumed OTBIG connects to OTBIG1.

OTBIG1 receives 2 No. connections, including:-

82 Ø UPVC [A] from a RWP which drops from above, connects to 75 Ø CI at low level, which drops to below g round and to OTBIG1.

A 100 Ø CI RWP from above drops to below ground and connects to OTBIG1.

A 42 Ø galvanised mild steel pumped discharge pipe from a pumping station PS1

At a Boiler Room in the basement, a small pumping station, below the floor [PS1] receives a connection from an OTG at a stairwell' also an assumed gully at light-well [C].

The 42 Ø galvanised pumped discharge pipe rises from the pumping station, offsets at low level, rises to high level, offsets through the wall to light-well [B] and is assumed to connect to OTBIG1.

The 100 Ø outlet from OTBIG1 connects at [A] to MH1 as previously described.
The other branch to MH1 is 100 Ø [VC] [B] from an open top gully.

The 150 Ø outlet from MH1 is via a clay intercepting trap and 150 Ø clay outfall to the public sewer below Highgate Hill. On route to the sewer the 150 Ø clay changes to 225 Ø clay.

7.2 System 2

This system commences at MH5, which is located in an access road.

MH5 receives at its head a 100 Ø clay sealed connection.

MH5 also receives 5 No. branches, including:-

100 Ø clay [A] from OTBIG4. A 68 Ø UPVC RWP from above is believed to connect to the gully.

100 Ø clay [B] from a buried trap below the access road.

100 Ø clay [C] from an open top gully.

A 110 Ø UPVC RWP from above discharges over the gully.

A 68 Ø UPVC RWP from above discharges to the surface near the gully.

100 Ø clay [D] from an untraced, trapped source.

The final branch is 100 Ø clay [E] from a 100 Ø clay DP in a kitchen. A 54 Ø UPVC WP from sinks is assumed to connect to the DP.

On route to MH5 the run receives 2 No. blind, branch connections, the first is from a 100 Ø clay DP, a 42 Ø copper [cu] WP is believed to connect to the DP.

The second blind branch is from an assumed 100 Ø clay DP.

A 54 Ø UPVC WP from sinks is assumed to connect to the DP. On route this branch is also believed to receive a blind, branch connection from a 100 Ø DP which receives a 54 Ø UPVC WP.

Returning to MH5, the 150 Ø clay outlet runs to the head of MH6, which is located in a footpath.

In this general area, there is an OTG in the access road, its outlet could not be traced due to debris, but it did not appear to run towards System 2.

MH6 receives one branch, 100 Ø clay [A] from an OTBIG in a passage-way. A 68 Ø UPVC RWP from above connects to 82 Ø UPVC at mid level, receives a 42 Ø UPVC WP from 2 No. sinks and drops to below ground and is believed to connect to the gully.

The assumed route of the 100 Ø clay outlet from the OTG receives a blind, branch connection from a surface water drainage channel, with 2 No. back inlets.

A 110 Ø UPVC RWP from above discharges over the OTG outlet into the channel and darian connection.

The run to MH6 then receives a further blind, branch connection from a 100 Ø channel outlet. On route this branch also receives 2 No. blind, branch connections, the first is from a 42 Ø UPVC WP, the second is from a 110 Ø UPVC RWP from above.

Returning to MH6, the 150 Ø clay outlet runs, via a change of direction to the head of MH7 which is located in a footpath.

MH7 receives no branches.

The 225 Ø clay outlet from MH7 runs to the head of MH8. On route it receives a blind, branch connection from an OTG. A 110 Ø UPVC RWP from above is believed to connect to the OTG. A 110 Ø UPVC RWP outlet from a channel at a terrace drops and discharges over the OTG.

MH8 is located in a footpath and receives 2 No. branches, including:-

110 Ø UPVC [A] from a 110 Ø UPVC stub stack, which receives connections from a 110 Ø UPVC SP and a 54 Ø UPVC WP at low level, both from Temporary Toilets.

The other branch, 100 Ø clay at high level from a 100 Ø CI pipe which terminates at low level [probably as a VP].

The 225 Ø clay outlet from MH8 is via an intercepting trap and 225 Ø clay outfall to the public sewer below Highgate Hill.

There was a 'temporary' Sports Hall and associated buildings. All rainwater drainage from these areas discharges to the ground. No drainage was found in the area.

8.0 FINDINGS OF THE SURVEY

8.1 General

System 1 and System 2 are combined as they receive connections from foul and surface water drainage.

The systems on site were comparatively limited because much of the surface area drains off downhill onto the sports field.

The drainage pipe work below ground was of clay, with only a very few runs of UPVC, from later modifications.

The manholes were constructed as follows:-

MH1, MH2, MH3, MH4, MH6, MH7 & MH8.	Rendered Brick
MH5	Brickwork

All manholes have open channels of clay and benching of concrete.

Manhole covers were as follows:-

MH1, MH2, MH4, MH6, MH7 & MH8	CI single seal
MH3	Galvanised mild steel, infill, single seal

The structural condition of the manholes was visually as follows:-

Good	MH2, MH3, MH6 & MH7
Reasonable	MH1, MH4 & MH5
Poor	MH8

There were defects at manholes including the following:-

MH1	The interceptor trap was blocked, it was cleared to enable the survey. The rodding eye cap on the interceptor rodding arm was missing.
MH8	The interceptor trap was blocked, it was cleared to enable the survey. The chamber walls and benchings were covered with grease.

The gullies were of clay with gratings of CI or UPVC.

The condition of the gullies was reasonable although some were heavily obstructed with debris.

The channels were of proprietary, pre-formed type with gratings of cast iron.

The condition of the channels and gratings was reasonable, although some sections were heavily obstructed with debris.

The soil waste and ventilation stacks from above were of UPVC with some sections of CI.

WPs were of UPVC, with some of copper.

The rainwater pipes from above were of UPVC.

The layout of the drainage system appeared generally to be reasonably orthodox, although there were various areas where drain connections were made via blind, branch connections.

There were obsolete drain runs which have been sealed, including sealing in a location remote from their respective manholes. This was indicative of changes to the system layout subsequent to original construction.

8.2 PUMPING STATIONS

Pumping station PS1 – in the Boiler Room

There was no access directly into the sump due to equipment stacked over the chamber cover. So the chamber could not be fully surveyed. Also see the final note.

The chamber appeared to be dirty and contained debris.

The cover appears to be of steel and in two parts.

The pump comprises a vertical spindle pump with a motor mounted on top

The power supply is from a main wall mounted isolation switch and MEM emergency stop switch.

The electrical supply was switched off and so the pump could not be tested.

The metalwork at the pump and motor appeared to be old and rusty. It looked to be derelict and we were concerned for safety so did not touch it.

The Pumping Station PS2 at Basement Level

The pump unit is located within a service duct near a classroom and comprises a floor mounted package unit with a rectangular chamber of GRP or similar, it contained an internal free standing submersible pump with an integral float arm switch. The discharge pipe has a non-return valve. As found its cover was off. The Maintenance Manager informed us he has problems with this pumping station due to waste paper etc. being discharged to it.

8.3 The findings of the CCTV Survey

The findings of the CCTV survey are shown in detail for each surveyed pipe run in the CCTV report sheets in Appendix 10.2.

Only general comments or comments on specific defects are repeated in the following text:-

Where pipe runs have several defects of a similar nature in general only the most significant will be repeated here.

There was Debris and/or Grease:-

MH1	-	SEWER	-	Debris 5% cross sectional area loss From 4 o'clock to 8 o'clock
MH1	-	BRANCH A	-	Survey abandoned unable to pass debris in pipe
MH1	-	BRANCH B	-	Debris 20% cross sectional area loss From 4 o'clock to 8 o'clock
MH2	-	UNKNOWN UPSTREAM	-	Survey abandoned unable to pass debris in pipe [pipe possibly sealed]
MH2	-	BRANCH D	-	Debris 5% cross sectional area loss From 5 o'clock to 7 o'clock
OTBIG1	-	BRANCH A	-	Debris 10% cross sectional area loss From 4 o'clock to 8 o'clock
OTBIG1	-	BRANCH B	-	Survey abandoned Unable to pass debris/scale in pipe
OTBIG3		BRANCH A		Survey abandoned Unable to pass debris in pipe
MH5	-	BRANCH B	-	Debris 5% cross sectional area loss From 4 o'clock to 8 o'clock
MH5	-	BRANCH C	-	Debris 5% cross sectional area loss From 4 o'clock to 8 o'clock
MH5	-	UNKNOWN DOWNSTREAM	-	Survey abandoned unable to pass debris and grease in pipe
MH5	-	UNKNOWN DOWNSTREAM	-	Survey abandoned unable to pass debris, grease and roots in pipe
MH6	-	UNKNOWN UPSTREAM	-	Survey abandoned unable to pass grease/debris in pipe
MH6	-	UNKNOWN DOWNSTREAM	-	Survey abandoned unable to pass grease in pipe
MH7	-	UNKNOWN UPSTREAM	-	Survey abandoned unable to pass grease in pipe – total blockage

MH7	-	UNKNOWN DOWNSTREAM	-	Debris/grease from 12 o'clock to 12 o'clock
MH6	-	UNKNOWN DOWNSTREAM	-	Survey abandoned unable to pass grease in pipe
MH8	-	SEWER	-	Survey abandoned unable to pass grease in pipe
MH8	-	VENT	-	Survey abandoned unable to pass debris in pipe

There was Scale:-

MH1	-	UNKNOWN UPSTREAM	-	Medium scale 10% cross sectional area loss From 2 o'clock to 10 o'clock
MH2	-	UNKNOWN UPSTREAM	-	Encrustation 5% cross sectional area loss From 3 o'clock to 6 o'clock at joint
MH2	-	BRANCH A	-	Heavy scale 40% cross sectional area loss From 3 o'clock to 9 o'clock
MH3	-	UNKNOWN UPSTREAM	-	Heavy scale 40% cross sectional area loss From 4 o'clock to 8 o'clock
OTBIG1	-	BRANCH B	-	Survey abandoned unable to pass scale/debris in pipe
MH4	-	UNKNOWN UPSTREAM	-	Encrustation 10% cross sectional area loss From 6 o'clock to 12 o'clock

There was a drain point broken into the pipe:-

MH3	-	BRANCH D	-	Drain point broken into the pipe
MH4	-	UNKNOWN UPSTREAM	-	Connection broken into the pipe at 9 o'clock

There was Standing Water:-

MH1	-	SEWER	-	Water level 5% height/diameter
MH1	-	BRANCH A	-	Water level 5% height/diameter
MH3	-	UNKNOWN UPSTREAM	-	Water level 5% height/diameter
MH5	-	UNKNOWN DOWNSTREAM	-	Camera underwater
MH6	-	UNKNOWN DOWNSTREAM	-	Camera underwater
MH8	-	SEWER	-	Camera underwater
MH8	-	SEWER	-	Water level 20% height/diameter

There were Cracked/Fractured pipes:-

MH1	-	BRANCH A	-	Multiple cracks at 12 o'clock
MH4	-	UNKNOWN UPSTREAM	-	Circumferential crack from 12 o'clock to 12 o'clock
MH5	-	UNKNOWN UPSTREAM	-	Circumferential crack from 12 o'clock to 12 o'clock [2 no. Locations assumed sealed pipe

MH5	-	BRANCH A	-	Circumferential crack from 12 o'clock to 12 o'clock pipe appears to be lined
MH5	-	BRANCH B	-	Multiple cracks/fractures at joint from 12 o'clock to 12 o'clock
MH5	-	BRANCH C	-	Possibly fractured at joint and circumferential fracture from 12 o'clock to 12 o'clock
MH5	-	BRANCH E	-	Circumferential crack from 12 o'clock to 12 o'clock
MH6	-	UNKNOWN UPSTREAM	-	Circumferential crack From 12 o'clock to 12 o'clock
MH6	-	BRANCH A	-	Circumferential crack From 12 o'clock to 12 o'clock

There was a possible hole in pipe:-

MH2	-	BRANCH B	-	Possible hole at 2 o' clock

There were displaced joints:-

MH1	-	SEWER	-	Displaced joint slight
MH4	-	UNKNOWN DOWNSTREAM	-	Displaced joint medium
MH5	-	BRANCH C	-	Displaced joint slight

There was a poor connection:-

MH3	-	BRANCH E	-	poor connection from bend to stack visible

There were Roots:-

MH1	-	BRANCH D	-	Fine roots visible
MH4	-	UNKNOWN DOWNSTREAM	-	Fine roots visible at joint
MH5	-	BRANCH C	-	Fine roots visible

There was were lined pipes:-

MH5	-	BRANCH A	-	Pipe material changes to 100 Ø liner
MH5	-	BRANCH D	-	Pipe material changes to 100 Ø liner

Note: The existence of lined pipes in indication of previous problems:-

9.0 RECOMMENDATIONS

These recommendations are given as though the system is to be retained as now existing, without taking into account any future re-developments of which we are not aware. Therefore some recommendations may be superfluous.

The system should be fully cleaned and de-scaled and blockages removed.

Any runs which could not be surveyed or fully traced for any reason should be surveyed by CCTV for completion of the survey.

After cleaning, previously un-surveyed runs should be re-CCTV surveyed to verify their condition and any identified defects should be remedied.

All manhole covers and frames which are to be retained should be cleaned, de-rusted, re-painted and re-bedded with new seals or grease as necessary.
Manholes should be fully cleaned by high pressure jetting and re-inspected, especially to remove grease.

The source of grease [presumably a kitchen], should be identified and measures put in place to eliminate greasy discharges, including installation of a grease separator.

All visible defects at manholes, walls, top slabs, benching or channels etc., should be repaired.

Including at the following manholes:-

MH1	The interceptor trap was blocked, but was cleared to enable the survey. The rodding eye cap on the interceptor rodding arm was missing and needs to be replaced.
MH8	The interceptor trap was blocked, but was cleared to enable the survey. The chamber walls and benchings were covered with grease.

The buried or concealed gullies should be exposed to enable them to be inspected and surveyed including:-

At light-well [A], and the trap below the access road.

All gully gratings should be cleaned, checked, rust removed, repainted [where of metal] and reinstalled. Missing or damaged gratings should be replaced.

All drainage channels should be cleaned and inspected, channel covers and gratings should be cleaned, rust removed, repainted [where appropriate] and re-fitted, including securing fixtures or screws. Defective gratings should be replaced.

The defective terminal on the vent to MH8 should be replaced.

All defects identified by CCTV on pipe-work during the survey or subsequent cleaning, should be repaired.

Including the following:-

There was a drain point broken into the pipe:-

MH3	-	BRANCH D	-	Drain point broken into the pipe
MH4	-	UNKNOWN UPSTREAM	-	Connection broken into the pipe at 9 o'clock

These should be reviewed after cleaning and testing, to confirm whether repair is necessary

There were Cracked/Fractured pipes:-

MH1	-	BRANCH A	-	Multiple cracks at 12 o'clock
MH4	-	UNKNOWN UPSTREAM	-	Circumferential crack from 12 o'clock to 12 o'clock
MH5	-	UNKNOWN UPSTREAM	-	Circumferential crack from 12 o'clock to 12 o'clock [2 no. Locations assumed sealed pipe

MH5	-	BRANCH A	-	Circumferential crack from 12 o'clock to 12 o'clock pipe appears to be lined
MH5	-	BRANCH B	-	Multiple cracks/fractures at joint from 12 o'clock to 12 o'clock
MH5	-	BRANCH C	-	Possibly broken at joint and circumferential fracture from 12 o'clock to 12 o'clock
MH5	-	BRANCH E	-	Circumferential crack from 12 o'clock to 12 o'clock
MH6	-	UNKNOWN UPSTREAM	-	Circumferential crack From 12 o'clock to 12 o'clock
MH6	-	BRANCH A	-	Circumferential crack From 12 o'clock to 12 o'clock

There was a possible hole in pipe:-

MH2	-	BRANCH B	-	Possible hole at 2 o' clock

There was a poor connection:-

MH3	-	BRANCH E	-	poor connection from bend to stack visible

There were Roots:-

MH1	-	BRANCH D	-	Fine roots visible
MH4	-	UNKNOWN DOWNSTREAM	-	Fine roots visible at joint
MH5	-	BRANCH C	-	Fine roots visible

These defects and the necessary repairs should be considered after the system has been cleaned. Some may require excavation and replacement, others may be repaired by re-lining

Obsolete or unused drain connections should be fully sealed at each end, including at their connection to a manhole to prevent their being used as a rat refuge:-

MH2 – The connection into the head of the manhole

MH2 to branch [F] and [G]

MH5 to branch [B] if this is confirmed as obsolete

All pipe-work which is to be retained should be tested by air or water for leaks.

The pumping stations should be pumped out, drained and fully cleaned internally to enable an internal survey. Including PS1 where no access was available at the time of survey.

All pumps should be removed, cleaned, inspected and tested for condition. PS1 in particular looks to be very old and the system should be replaced.

All pump controls and switch gear should be inspected and tested for function and compliance with current IEE regulations and replaced where necessary, especially at PS1.

All assumed connections from pipes from above should be confirmed for purpose [foul or rainwater], including, where necessary, opening wall ducts to expose them.

The CAD drawings should be updated once the system has been fully surveyed by CCTV to verify any unknown data.

The record drawings should be updated, preferably on CAD to record any changes due to refurbishment or from further investigations.

END OF TEXT

HIGHGATE HILL

ASSUMED PUBLIC SEWER IN HIGHGATE HILL.
150 DIA. VC CONNECTS TO 225 DIA. VC.
SYSTEM 1
225 DIA. VC ASSUMED TO PUBLIC SEWER IN HIGHGATE HILL.
100 DIA. C.I. F.A.I. TERMINATES AT L/L.
MH8
225 DIA. VC
SYSTEM 2
FOOTPATH
110 DIA. UPVC
110 DIA. UPVC STUB STACK WITH AAV T/B GROUND.
110 DIA. UPVC SP AT L/L.
54 DIA. UPVC WP AT L/L.
TEMPORY TOILETS
FOOTPATH
225 DIA. VC
MH7
OPEN TOP BACK INLET GULLY. (OTBIG1)
100 DIA. C.I. RWP F/A T/B GROUND.
LIGHTWELL "B"
LIGHTWELL "A"
ASSUMED OPEN TOP BACK INLET GULLY BELOW DECKING.
110 DIA. UPVC RWP DROPS AND DISCHARGES AT L/L.
42 DIA. UPVC WP AT L/L.
SYSTEM 2
TERRACE AREA
SYSTEM 1
BIN STORE
MH1
100 DIA. VC
100 DIA. VC
100 DIA. VC
42 DIA. UPVC WP DROPS FROM L/L T/B DECKING.
50 DIA. C.I. WP F/A DROPS T/B DECKING.
42 DIA GALV MS PUMP LINE DISCHARGES AT L/L TO GROUND.
FOR CONTINUATION REFER TO PH02.
110 DIA. UPVC RWP F/A OFFSETS AT L/L.
FOR CONTINUATION REFER TO PH03.
82 DIA. UPVC RWP F/A CONNECTS TO 75 DIA. C.I. AT L/L AND DROPS T/B GROUND.
OPEN TOP GULLY.
ENTRANCE COURTYARD/ CAR PARK
SEALED PIPE.
150 DIA. VC
LIGHTWELL "C"
100 DIA. CHANNEL OUTLET CONNECTS TO CROWN OF DRAIN BELOW.
MAIN SCHOOL BUILDING
DRAINAGE CHANNEL AND GRATING.
OPEN TOP BACK INLET GULLY. (OTBIG3)
SURVEY ABANDONED DUE TO DEBRIS.
SYSTEM 1
100 DIA. C.I. VP RISES AND CONNECTS TO 110 DIA. UPVC AND RISES T/A.
MH2
42 DIA. UPVC DISCHARGES OVER STAIRS.
FOR CONTINUATION REFER TO PH02.
ASSUMED OUTLET BELOW DEBRIS IN THIS AREA.
LIGHTWELL "D"
FOR CONTINUATION REFER TO PH02.
MH4
OPEN TOP BACK INLET GULLY.
82 DIA. UPVC RWP F/A T/B GROUND.
OPEN TOP BACK INLET GULLY. (OTBIG2)
68 DIA. UPVC RWP F/A DISCHARGES OVER OTBIG.
100 DIA. CHANNEL OUTLET.
100 DIA. C.I. RWP F/A T/B GROUND.
100 DIA. C.I. SVP F/A T/B GROUND.
FOR CONTINUATION REFER TO PH02.
DRAINAGE CHANNEL AND GRATING.
SURVEY ABANDONED DUE TO DEBRIS. (ASSUMED REDUNDANT)
SCHOOL BUILDING
ACCESS ROAD
100 DIA. VC FROM TRAP IN THIS AREA.
SYSTEM 2
MAIN SCHOOL BUILDING
TERRACE AREA
110 DIA. UPVC RWP F/A T/B GROUND.
68 DIA. UPVC RWP F/A T/B.
110 DIA. UPVC RWP FROM CHANNEL DROPS AND DISCHARGES OVER OTG.
OPEN TOP GULLY. (BLOCKED)
110 DIA. UPVC RWP DROPS AND DISCHARGES OVER OTG.
FIELD
OPEN TOP BACK INLET GULLY. (OTBIG4)
68 DIA. UPVC RWP F/A T/B GROUND.
68 DIA. UPVC RWP F/A DISCHARGES TO GROUND.
110 DIA. UPVC RWP F/A DISCHARGES OVER OTG.
OPEN TOP GULLY.
PATIO AREA
110 DIA. UPVC RWP F/A T/B.
110 DIA. UPVC RWP F/A T/B.
FOR CONTINUATION REFER TO PH03.
SCHOOL BUILDING
FOOTPATH
SEALED PIPE.
FOR CONTINUATION REFER TO PH02.
100 DIA. VC FROM UNKNOWN TRAPPED SOURCE.
MH5
MH6
OPEN TOP GULLY FULL OF DEBRIS.
UNABLE TO TRACE DUE TO DEBRIS IN PIPE.
PLAY GROUND

NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING Nos. PH02 & PH03 AND THE SPAFLOW LTD REPORT DATED OCTOBER 2017.

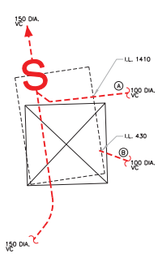
LEGEND:

- BELOW GROUND (SURFACE WATER)
- BELOW GROUND (FOUL WATER)
- ABOVE GROUND (SURFACE WATER)
- ABOVE GROUND (FOUL WATER)

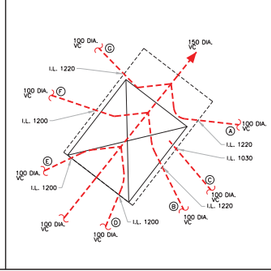
FH	FIRE HYDRANT	RWP	WASTE VENT PIPE
IV	ISOLATION VALVE	WVP	RAINWATER PIPE
WMT	WATER METER	SVP	SOIL VENT PIPE
GMT	GAS METER	VP	VENT PIPE
WM	RISING WATER MAIN	G	GULLY
GM	RISING GAS MAIN	RG	ROAD GULLY
GT	GREASE TRAP	OTG	OPEN TOP GULLY
CBP	CABLE PIT	STG	SEALED TOP GULLY
CP	CATCHPIT	BIG.	BACK INLET GULLY
MH	MANHOLE	C.I.	CAST IRON
WHB	WASH HAND BASIN	Cu	COPPER
SK	SINK	V.C.	VITRIFIED CLAY
WC	WATER CLOSET	UPVC	UNPLASTICISED POLYVINYL CHLORIDE
UR	URINAL	PF	PITCH FIBRE
RE	RODDING EYE	F.A.	FROM ABOVE
RED.	REDUNDANT	T.A.	TO ABOVE
H/L	HIGH LEVEL	F.B.	FROM BELOW
M/L	MID LEVEL	T.B.	TO BELOW
L/L	LOW LEVEL		

REV.	DATE	DESCRIPTION	BY	APP.

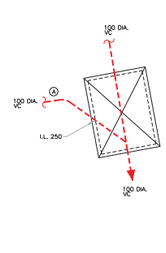
MH1
C/S 655 x 655 C.I.
C/O 600 x 600
CH/S 880 x 610
INLET 1520
OUTLET 1530
CONST BRICK RENDER
COND REASONABLE
SEAL SINGLE
NOTES INTERCEPTOR TRAP FOUND BLOCKED. (CLEARED TO ENABLE SURVEY) R.E. CAP MISSING.



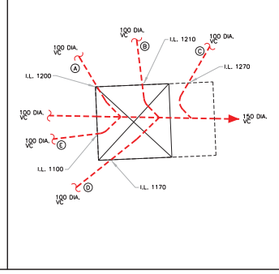
MH2
C/S 780 x 630 C.I.
C/O 750 x 600
CH/S 1070 x 710
INLET 1300
OUTLET 1330
CONST BRICK RENDER
COND GOOD
SEAL SINGLE
NOTES COVER SLOPING.



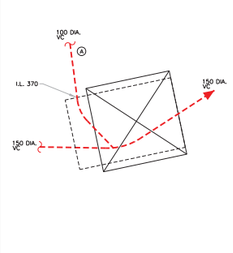
MH4
C/S 660 x 510 C.I.
C/O 600 x 450
CH/S 610 x 450
INLET 380
OUTLET 350
CONST BRICK RENDER
COND GOOD
SEAL SINGLE
NOTES COVER SLOPING.



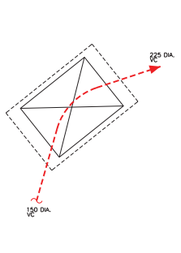
MH5
C/S 600 x 600 C.I. SPLIT
C/O 600 x 600
CH/S 960 x 600
INLET 1315
OUTLET 1330
CONST BRICK
COND REASONABLE
SEAL SINGLE
NOTES COVER SLOPING.



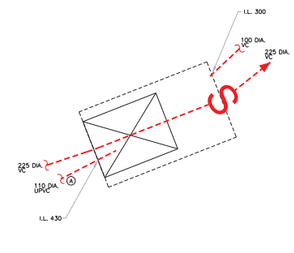
MH6
C/S 695 x 695 C.I.
C/O 610 x 610
CH/S 880 x 580
INLET 490
OUTLET 510
CONST BRICK RENDER
COND GOOD
SEAL SINGLE
NOTES –



MH7
C/S 670 x 510 C.I.
C/O 600 x 450
CH/S 900 x 600
INLET 1710
OUTLET 1770
CONST BRICK RENDER
COND GOOD
SEAL SINGLE
NOTES COVER SLOPING



MH8
C/S 640 x 490 C.I.
C/O 600 x 450
CH/S 1120 x 660
INLET 1800
OUTLET 1830
CONST BRICK RENDER
COND POOR
SEAL SINGLE
NOTES INTERCEPTOR TRAP BLOCKED. (CLEARED TO ENABLE SURVEY) CHAMBER WALLS AND BENCHING COVERED WITH GREASE.



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CLIENT:
HEYNE TILLETT STEEL
4 PEAR TREE COURT
LONDON
EC1R ODS

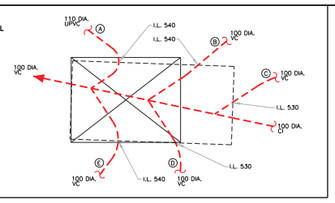
PROJECT:
CHANNING JUNIOR SCHOOL
LONDON

TITLE:
RECORD OF TRACING, MAPPING AND CCTV SURVEY OF DRAINAGE.
EXTERNAL DRAINAGE LAYOUT

PROJECT REF:		REV:
DRAWN: SWW	DATE: OCT 17	SCALES: NTS
CHECKED: DWH	APPROVED: DWH	
CLIENT DRG. No:	CAD Q.A.:	PLOT SIZE:
MICROFILM REF:	SHEET:	DRG. No: PH01

MH3

C/S	670 x 520 GALV MS INFILL
C/O	600 x 450
CH/S	990 x 480
INLET	640
OUTLET	680
CONST	BRICK RENDER
COND	GOOD
SEAL	DOUBLE
NOTES	–



HIGHGATE HILL

ENTRANCE COURTYARD/ CAR PARK

CLASSROOM

36 DIA. UPVC WP DROPS T/B GROUND AND ASSUMED TO CONNECT TO 110 DIA. UPVC DP.

36 DIA. UPVC WP DROPS T/B GROUND AND CONNECTS TO 110 DIA. UPVC DRAIN.

110 DIA. UPVC TO MH4. FOR CONTINUATION REFER TO PH01.

110 DIA. UPVC

TO SYSTEM 1

110 DIA. UPVC SP DROPS FROM H/L T/B GROUND.

110 DIA. UPVC SP F/A OFFSETS AT H/L.

TO SYSTEM 1

100 DIA. VC TO MH2. FOR CONTINUATION REFER TO PH01.

100 DIA. VC

110 DIA. UPVC STUB STACK T/B GROUND.

110 DIA. UPVC SP AT L/L.

OFFICE

42 DIA. UPVC WP TO 100 DIA. DP.

STAFF TOILETS

42 DIA. UPVC WP TO 100 DIA. DP.

WAITING AREA

42 DIA. UPVC WP AT L/L.

42 DIA. UPVC WP TO 100 DIA. DP.

DINNING ROOM

KITCHEN

ACCESS ROAD

TO SYSTEM 2

100 DIA. VC TO MH5. FOR CONTINUATION REFER TO PH01.

54 DIA. UPVC WP DROPS T/B GROUND AND ASSUMED TO CONNECT TO 100 DIA. VC DP.

54 DIA. UPVC WP DROPS T/B GROUND AND ASSUMED TO CONNECT TO 100 DIA. VC DP.

42 DIA. Cu WP DROPS T/B GROUND AND ASSUMED TO CONNECT TO 100 DIA. VC DP.

KITCHEN

54 DIA. UPVC WP DROPS T/B GROUND AND ASSUMED TO CONNECT TO 100 DIA. VC DP.

ENTRANCE LOBBY.

TERRACE

TO SYSTEM 1

FOR CONTINUATION REFER TO PH01.

42 DIA. UPVC WP AT L/L.

CLASSROOM

42 DIA. UPVC WP AT L/L.

42 DIA. UPVC WP DROPS AND DISCHARGES OVER CHANNEL.

100 DIA. CHANNEL OUTLET.

100 DIA. C.I. RWP DROPS AND DISCHARGES OVER CHANNEL.

42 DIA. UPVC WP DROPS AND DISCHARGES OVER CHANNEL.

100 DIA. VC TO MH2. FOR CONTINUATION REFER TO PH01.

TO SYSTEM 1

DRAINAGE CHANNEL AND GRATING.

MH3

ASSUMED 100 DIA. DP/STUB STACK T/B GROUND. (BOXED IN)

42 DIA. UPVC WP TO 100 DIA. DP.

100 DIA. SP AT L/L. (BOXED IN)

ASSUMED 100 DIA. STACK F/A T/B GROUND. (BOXED IN)

100 DIA. SP AT L/L. (BOXED IN)

100 DIA. DRAIN POINT.

100 DIA. STACK F/A T/B GROUND.

42 DIA. UPVC WP AT L/L.

54 DIA. UPVC PUMP LINE F/B. FOR CONTINUATION REFER TO PH03. APPEARS TO BE 100 DIA. VC DRAIN WITH 54 DIA. UPVC PIPE BROKEN INTO IT.

CLASSROOM

CORRIDOR

CLASSROOM

TERRACE

CORRIDOR

CLASSROOM

STAFF ROOM

HEADS OFFICE

CLASSROOM

TERRACE

NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING Nos. PH01 & PH03 AND THE SPAFLOW LTD REPORT DATED OCTOBER 2017.

LEGEND:

- BELOW GROUND (SURFACE WATER)
- BELOW GROUND (FOUL WATER)
- ABOVE GROUND (SURFACE WATER)
- ABOVE GROUND (FOUL WATER)

FH	FIRE HYDRANT	RWP	WASTE VENT PIPE
IV	ISOLATION VALVE	WVP	RAINWATER PIPE
WMT	WATER METER	SVP	SOIL VENT PIPE
GMT	GAS METER	VP	VENT PIPE
WM	RISING WATER MAIN	G	GULLY
GM	RISING GAS MAIN	RG	ROAD GULLY
GT	GREASE TRAP	OTG	OPEN TOP GULLY
CBP	CABLE PIT	STG	SEALED TOP GULLY
CP	CATCHPIT	BIG.	BACK INLET GULLY
MH	MANHOLE	C.I.	CAST IRON
WHB	WASH HAND BASIN	Cu	COPPER
SK	SINK	V.C.	VITRIFIED CLAY
WC	WATER CLOSET	UPVC	UNPLASTICISED POLYVINYL CHLORIDE
UR	URINAL	PF	PITCH FIBRE
RE	RODDING EYE	F.A.	FROM ABOVE
RED.	REDUNDANT	T.A.	TO ABOVE
H/L	HIGH LEVEL	F.B.	FROM BELOW
M/L	MID LEVEL	T.B.	TO BELOW
L/L	LOW LEVEL		

REV.	DATE	DESCRIPTION	BY	APP.

Spaflow Limited
Watmough House
The Parade
Meopham
Kent DA13 0JL
Tel: 01474 814 700
Fax: 01474 815 800
Email: spaflow@aol.com
Website: www.spaflow.co.uk

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CLIENT:
HEYNE TILLETT STEEL
4 PEAR TREE COURT
LONDON
EC1R ODS

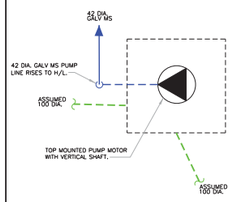
PROJECT:
CHANNING JUNIOR SCHOOL
LONDON

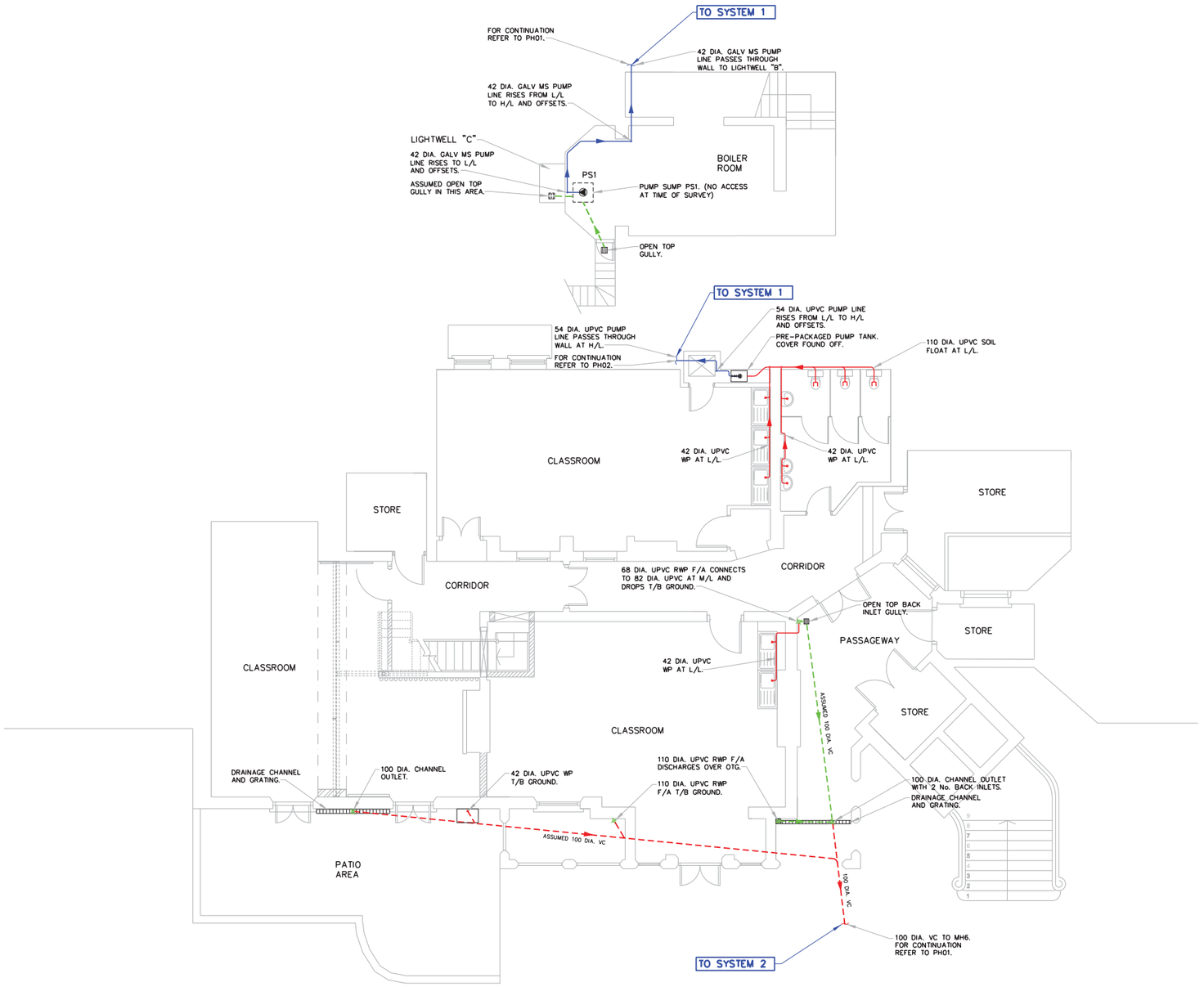
TITLE:
RECORD OF TRACING, MAPPING AND CCTV SURVEY OF DRAINAGE.
GROUND FLOOR LAYOUT

PROJECT REF:		REV:
DRAWN: SWW	DATE: OCT 17	SCALES: NTS
CHECKED: DWH	APPROVED: DWH	
CLIENT DRG. No:	CAD Q.A.:	PLOT SIZE:
MICROFILM REF:	SHEET:	DRG. No: PH02

PS1

C/S	-
C/O	-
CH/S	-
INLET	-
OUTLET	-
CONST	CONCRETE
COND	POOR
SEAL	SINGLE
NOTES	NO ACCESS TO PUMP SUMP AT TIME OF SURVEY DUE TO EQUIPMENT OVER COVER. SUMP APPEARS TO BE DRY. POWER SUPPLY APPEARS TO BE TURNED OFF.





NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING Nos. PH01 & PH02 AND THE SPAFLOW LTD REPORT DATED OCTOBER 2017.

LEGEND:

- BELOW GROUND (SURFACE WATER)
- BELOW GROUND (FOUL WATER)
- ABOVE GROUND (SURFACE WATER)
- ABOVE GROUND (FOUL WATER)

FH	FIRE HYDRANT	RWP	WASTE VENT PIPE
IV	ISOLATION VALVE	WVP	RAINWATER PIPE
WMT	WATER METER	SVP	SOIL VENT PIPE
GMT	GAS METER	VP	VENT PIPE
WM	RISING WATER MAIN	G	GULLY
GM	RISING GAS MAIN	RG	ROAD GULLY
GT	GREASE TRAP	OTG	OPEN TOP GULLY
CBP	CABLE PIT	STG	SEALED TOP GULLY
CP	CATCHPIT	BIG.	BACK INLET GULLY
MH	MANHOLE	C.I.	CAST IRON
WHB	WASH HAND BASIN	Cu	COPPER
SK	SINK	V.C.	VITRIFIED CLAY
WC	WATER CLOSET	UPVC	UNPLASTICISED POLYVINYL CHLORIDE
UR	URINAL	PF	PITCH FIBRE
RE	RODDING EYE	F.A.	FROM ABOVE
RED.	REDUNDANT	T.A.	TO ABOVE
H/L	HIGH LEVEL	F.B.	FROM BELOW
M/L	MID LEVEL	T.B.	TO BELOW
L/L	LOW LEVEL		

REV.	DATE	DESCRIPTION	BY	APP.

Spaflow Limited
Watmough House
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CLIENT:
HEYNE TILLETT STEEL
4 PEAR TREE COURT
LONDON
EC1R ODS

PROJECT:
CHANNING JUNIOR SCHOOL
LONDON

TITLE:
RECORD OF TRACING, MAPPING AND CCTV SURVEY OF DRAINAGE.
BASEMENT LAYOUT

PROJECT REF:		REV:
DRAWN: SWW	DATE: OCT 17	SCALES: NTS
CHECKED: DWH	APPROVED: DWH	
CLIENT DRG. No:	CAD Q.A.:	PLOT SIZE:
MICROFILM REF:	SHEET:	DRG. No: PH03

Appendix F

Thames Water Asset Location Plan

HEYNE TILLETT STEEL

Asset location search

Heyne Tillett Steel Limited
44 Peartree Court
LONDON
EC1R 0DS

Search address supplied	Channing Junior School 1 Highgate High Street London N6 5JR
Your reference	1843
Our reference	ALS/ALS Standard/2017_3672053
Search date	18 October 2017

Keeping you up-to-date

Knowledge of features below the surface is essential in every development. The benefits of this not only include ensuring due diligence and avoiding risk, but also being able to ascertain the feasibility for any commercial or residential project.

An asset location search provides information on the location of known Thames Water clean and/or wastewater assets, including details of pipe sizes, direction of flow and depth. Please note that information on cover and invert levels will only be provided where the data is available.

Thames Water Utilities Ltd
Property Searches, PO Box 3189, Slough SL1 4WW
DX 151280 Slough 13

searches@thameswater.co.uk
www.thameswater-propertysearches.co.uk

0845 070 9148

Asset location search

Search address supplied: Channing Junior School, 1, Highgate High Street, London, N6 5JR

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This searchprovides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0845 070 9148, or use the address below:

Thames Water Utilities Ltd
Property Searches
PO Box 3189
Slough
SL1 4WW

Email: searches@thameswater.co.uk
Web: www.thameswater-propertysearches.co.uk

Asset location search

Waste Water Services

Please provide a copy extract from the public sewer map.

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.

Asset location search

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

Payment for this Search

A charge will be added to your suppliers account.

Asset location search

Thames Water Property Searches

Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0845 850 2777
Email: developer.services@thameswater.co.uk

Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact:

Developer Services (Clean Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0845 850 2777
Email: developer.services@thameswater.co.uk

Asset Location Search Sewer Map - ALS/ALS Standard/2017_3672053

Nursery
Whistlers Cottage
Sub Sta
Bank
Tennis Courts
Lodge
Pond
Waterlow Park
Lauderdale House
Planning Junior School
Tennis Courts
Tennis Courts
Pond
Pond
Overflow
Shelter
Shelter
Fmtr
Cemetery
Ghana High Commission
Furnival House
Tennis Courts
Channing School
Vicarage
St Joseph's RC Church
Lodge
Avenue
HIGHGATE HILL
HORNSEY LANE
COMPTON AVENUE
CHERITH GROVE
SWAINS LANE
The Stables
Cromwell Lodge
Kenwood House
Fenwolde Court
Compton Court
Tudor Lodge
Cromwell Court
Vicarage Court
Lauderdale Court
Lauderdale Tower
Elm Court
Whitehall Park
Whitehall Park Close
Bank Court
Bank Cottage
Whitehall Park Court
Whitehall Park Cottages
Whitehall Park Mews
Whitehall Park Gardens
Whitehall Park Terrace
Whitehall Park Road
Whitehall Park Hill
Whitehall Park Hill Close
Whitehall Park Hill Court
Whitehall Park Hill Mews
Whitehall Park Hill Terrace
Whitehall Park Hill Road
Whitehall Park Hill Gardens

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
63YV	n/a	n/a
6305	115.11	111.25
74ZR	n/a	n/a
74ZV	n/a	n/a
74ZQ	n/a	n/a
74ZT	n/a	n/a
74ZS	n/a	n/a
74ZP	n/a	n/a
73YZ	n/a	n/a
73YX	n/a	n/a
7301	114.05	112.14
7303	113.99	112.01
7401	108.02	106.29
8501	101.39	99.38
8401	104.69	102.63
8402	102.84	100
8403	n/a	n/a
831A	n/a	n/a
941A	n/a	n/a
9302	104.9	96.97
9301	104.64	98.19
9408	100.1	95.33
43DF	n/a	n/a
4302	125.39	124
431C	n/a	n/a
4303	124.47	122.07
5301	124.04	121.14
5310	122.82	120.65
5402	119.19	113.62
5401	118.02	115.88
5303	120.83	n/a
5302	120.31	118.32
631A	n/a	n/a
6401	120.03	n/a
63YT	n/a	n/a
63YZ	n/a	n/a
63YS	n/a	n/a
63YY	n/a	n/a
63YR	n/a	n/a
63YX	n/a	n/a
6301B	117.16	111.61
63YQ	n/a	n/a
63YW	n/a	n/a
6303	114.96	113.77
63YP	n/a	n/a
7203	107.57	105.89
721B	n/a	n/a
721D	n/a	n/a
7202	108.54	105.64
721C	n/a	n/a
8205B	101.11	99.43
8204	101.31	99.44
8202	100.82	96.17
8201	102.37	99.5
8203	100.69	96.05
821A	n/a	n/a
8301	105.12	97.96
921A	n/a	n/a
5003	96.22	n/a
5101	101.88	n/a
5102	106.77	n/a
4101	110.58	n/a
721A	n/a	n/a
7201	109.71	107.73
431A	n/a	n/a
7302	112.39	109.98
431B	n/a	n/a
5309	121.97	119.09
6304	113.74	110.64
6301	117.61	115.72
6308	n/a	n/a
4301B	125.48	124.57
4201	122.72	121.17
4306	126.18	124.49
4401	121.19	116.93
43EC	n/a	n/a
43EB	n/a	n/a

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

- **Foul:** A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
- **Surface Water:** A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
- **Combined:** A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
- Trunk Surface Water
- Trunk Foul
- Storm Relief
- Trunk Combined
- Vent Pipe
- Bio-solids (Sludge)
- Proposed Thames Surface Water Sewer
- Proposed Thames Water Foul Sewer
- Gallery
- Foul Rising Main
- Surface Water Rising Main
- Combined Rising Main
- Sludge Rising Main
- Proposed Thames Water Rising Main
- Vacuum

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

- Air Valve
- Dam Chase
- Fitting
- Meter
- Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

- Control Valve
- Drop Pipe
- Ancillary
- Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

- Outfall
- Undefined End
- Inlet

Other Symbols

Symbols used on maps which do not fall under other general categories

- Public/Private Pumping Station
- Change of characteristic indicator (C.O.C.I.)
- Invert Level
- Summit

Areas

Lines denoting areas of underground surveys, etc.

- Agreement
- Operational Site
- Chamber
- Tunnel
- Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)

- Foul Sewer
- Surface Water Sewer
- Combined Sewer
- Gulley
- Culverted Watercourse
- Proposed
- Abandoned Sewer

Notes:

1) All levels associated with the plans are to Ordnance Datum Newlyn.
2) All measurements on the plans are metric.
3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
5) 'na' or '0' on a manhole level indicates that data is unavailable.
6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in milimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.

Asset Location Search Water Map - ALS/ALS Standard/2017_3672053

Nursery
Whistlers Cottage
Nursery
Sub Sta
Purnival House
Hampton House
Tennis Courts
WINCHESTER PLACE
CROMWELL PARK
Crown Court
1 to 4
98.6m
103.8m
103.6m
126.7m
Bank
Dolphin Hotel (PH)
HIGHGATE HIGH STREET
TCB
118.8m
123.2m
115.0m
Channing School
Clarence Lodge
Clarence Court
Vicarage
Channing Junior Schools
Ghana High Commission
CROMWELL AVENUE
112.2m
THE BANK
Bourn Conduit Cl
MIDDLE LANE
315.0m
HIGHGATE HILL
Lauderdale House
PC
SD
Shelter
PCB
TCB
D Fn
Lodge
118.1m
Tennis Courts
Pond
Waterlow Park
St Joseph's RC Church
St Joseph's Retreat
Lodge
Avenue
Pond
Shelter
FB
Overflow
83.5m
83.4m
Cemetery
SHEPHERDS LANE
385.2m
HORNSEY ST
BOSTWICK GARDENS
SUMMER TERR
Cedar
Oak
Ash
Beech
Lime
Sycamore
Yew
Holly
Hawthorn
Elm
Poplar
Willow
Pine
Spruce
Fir
Horse Chestnut
Walnut
Mulberry
Ornamental
Fruit
Conifer
Deciduous
Evergreen
Shrub
Hedge
Tree
Grass
Flowers
Vegetable
Herb
Root
Bulb
Seed
Leaf
Stem
Trunk
Branch
Twig
Bud
Flower
Fruit
Seed
Root
Soil
Water
Air
Light
Heat
Cold
Wind
Rain
Snow
Ice
Frost
Fog
Cloud
Sun
Moon
Star
Planet
Earth
Sky
Space
Time
Day
Night
Year
Month
Week
Hour
Minute
Second
Clock
Watch
Calendar
Diary
Map
Globe
Compass
GPS
Satellite
Radio
Television
Internet
Computer
Phone
Camera
Video
Music
Book
Newspaper
Magazine
Letter
Email
Text
Message
Call
Meeting
Party
Wedding
Funeral
Birthday
Anniversary
Holiday
Vacation
Travel
Transport
Car
Bus
Train
Plane
Boat
Bicycle
Motorcycle
Truck
Van
Taxi
Ambulance
Fire Engine
Police Car
Helicopter
Ship
Submarine
Rocket
Spaceship
Alien
Robot
Monster
Ghost
Witch
Wizard
Fairy
Dragon
Unicorn
Mermaid
Vampire
Zombie
Werewolf
Superhero
Villain
Princess
Prince
King
Queen
Knight
Castle
Dungeon
Treasure
Sword
Shield
Armor
Helmet
Boots
Gloves
Cape
Crown
Ring
Necklace
Earrings
Bracelet
Watch
Glasses
Hat
Shoes
Socks
Shirt
Pants
Dress
Skirt
Jacket
Coat
Sweater
Hoodie
Jeans
Shorts
Swimsuit
Underwear
Bra
Panties
Boxers
Briefs
Tie
Belt
Suspenders
Buttons
Zipper
Pocket
Sleeve
Collar
Cuff
Hem
Seam
Stitch
Thread
Needle
Fabric
Cotton
Wool
Silk
Leather
Denim
Lace
Velvet
Satin
Polyester
Nylon
Spandex
Rayon
Linen
Hemp
Bamboo
Recycled
Organic
Vegan
Cruelty-free
Fair trade
Sustainable
Eco-friendly
Biodegradable
Compostable
Reusable
Recyclable
Zero waste
Carbon footprint
Greenhouse gas
Climate change
Global warming
Ozone layer
Pollution
Air pollution
Water pollution
Soil pollution
Noise pollution
Light pollution
Visual pollution
Littering
Deforestation
Habitat destruction
Endangered species
Extinction
Conservation
Wildlife
Forest
Jungle
Rainforest
Desert
Grassland
Savanna
Tundra
Mountain
Hill
Valley
River
Lake
Ocean
Sea
Beach
Island
Continent
Country
City
Town
Village
Suburb
Neighborhood
Street
Road
Highway
Bridge
Tunnel
Intersection
Roundabout
Traffic light
Stop sign
Yield sign
Speed limit
Parking lot
Parking space
Garage
Driveway
Sidewalk
Crosswalk
Curb
Gutter
Storm drain
Sewer
Manhole
Fire hydrant
Water meter
Gas meter
Electric meter
Power line
Transformer
Substation
Wind turbine
Solar panel
Nuclear power plant
Coal mine
Oil rig
Gas pipeline
Water tower
Reservoir
Dam
Levee
Canal
Lock
Aqueduct
Viaduct
Tunnel
Bridge
Overpass
Underpass
Interchange
Toll booth
Rest area
Gas station
Convenience store
Supermarket
Department store
Shopping mall
Restaurant
Fast food
Coffee shop
Bar
Pub
Nightclub
Hotel
Motel
Hostel
Campground
Park
Playground
Sports field
Stadium
Arena
Theater
Cinema
Museum
Art gallery
Library
School
University
Hospital
Clinic
Pharmacy
Police station
Fire station
Post office
Bank
ATM
Government building
Courthouse
Prison
Cemetery
Church
Mosque
Synagogue
Temple
Monument
Statue
Fountain
Bench
Trash can
Recycling bin
Public restroom
Information booth
Tourist attraction
Historic site
Landmark
Skyscraper
Apartment building
House
Mansion
Cottage
Cabin
Tent
Trailer
Houseboat
Lighthouse
Windmill
Barn
Silo
Greenhouse
Shed
Garage
Basement
Attic
Chimney
Roof
Gutter
Downspout
Window
Door
Wall
Floor
Ceiling
Foundation
Insulation
Plumbing
Electrical wiring
Heating
Air conditioning
Ventilation
Fireplace
Stove
Oven
Refrigerator
Freezer
Dishwasher
Washing machine
Dryer
Sink
Toilet
Bathtub
Shower
Bed
Mattress
Pillow
Blanket
Sheet
Duvet
Couch
Chair
Table
Desk
Lamp
Rug
Curtain
Blinds
Shelf
Bookcase
Cabinet
Drawer
Closet
Hanger
Iron
Ironing board
Vacuum cleaner
Broom
Mop
Bucket
Soap
Shampoo
Conditioner
Toothbrush
Toothpaste
Razor
Shaving cream
Deodorant
Perfume
Cologne
Makeup
Nail polish
Hairbrush
Hairdryer
Scissors
Comb
Mirror
Towel
Washcloth
Bathrobe
Slippers
Flip flops
Sandals
Boots
Sneakers
Socks
Underwear
Bra
Panties
Boxers
Briefs
Swimsuit
Pajamas
Nightgown
Robe
Hat
Scarf
Gloves
Mittens
Earmuffs
Sunglasses
Watch
Jewelry
Necklace
Earrings
Bracelet
Ring

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1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL`s terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	**BACS Payment**	**Telephone Banking**	**Cheque**
Call **0845 070 9148** quoting your invoice number starting CBA or ADS / OSS	Account number **90478703** Sort code **60-00-01** A remittance advice must be sent to: **Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW.** or email **ps.billing@thameswater.co.uk**	By calling your bank and quoting: Account number **90478703** Sort code **60-00-01** and your invoice number	Made payable to '**Thames Water Utilities Ltd**' Write your Thames Water account number on the back. Send to: **Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW** or by DX to **151280 Slough 13**

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.

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- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

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- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

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TPOs Contact Details
The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Appendix G

Construction Management Plan - CURO

HEYNE TILLETT STEEL

Construction Management Plan

pro forma v2.2

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Camden

Camden

Revisions & additional material

Please list all iterations here:

Date	Version	Produced by
20/11/2017	Draft	Matthew Stimpson (BA (Hons), MPlan, MCIHT)

Additional sheets

Please note – the review process will be quicker if these are submitted as Word documents or searchable PDFs.

Date	Version	Produced by

Introduction

The purpose of the **Construction Management Plan (CMP)** is to help developers to minimise construction impacts, and relates to both on site activity and the transport arrangements for vehicles servicing the site.

It is intended to be a live document whereby different stages will be completed and submitted for application as the development progresses.

The completed and signed CMP must address the way in which any impacts associated with the proposed works, and any **cumulative impacts of other nearby construction sites**, will be mitigated and managed. The level of detail required in a CMP will depend on the scale and kind of development. Further policy guidance is set out in Camden Planning Guidance **(CPG)** 6: Amenity and **(CPG)** 8: Planning Obligations.

This CMP follows the best practice guidelines as described in Transport for London's (TfL's Standard for Construction Logistics and Community Safety (**CLOCS**) scheme) and Camden's Minimum Requirements for Building Construction **(CMRBC)**.

The approved contents of this CMP must be complied with unless otherwise agreed with the Council in writing. The project manager shall work with the Council to review this CMP if problems arise in relation to the construction of the development. Any future revised plan must also be approved by the Council and complied with thereafter.

It should be noted that any agreed CMP does not prejudice or override the need to obtain any separate consents or approvals such as for road closures or hoarding licences.

If your scheme involves any demolition, you need to make an application to the Council's Building Control Service. Please complete the "**Demolition Notice.**"

Please complete the questions below with additional sheets, drawings and plans as required. The boxes will expand to accommodate the information provided, so please provide as much information as is necessary. **It is preferable if this document, and all additional documents, are completed electronically and submitted as Word files to allow**

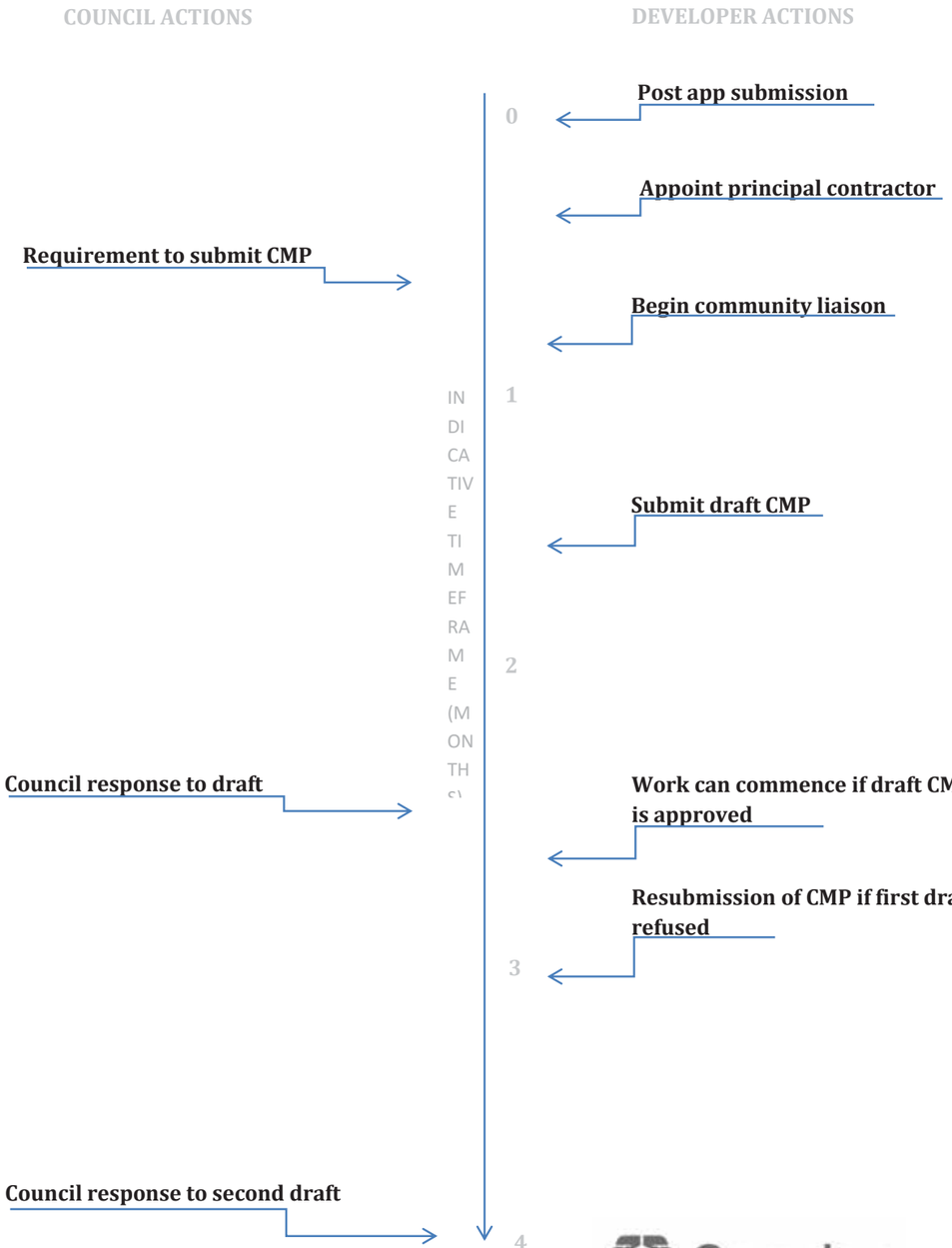
comments to be easily documented. These should be clearly referenced/linked to from the CMP.

Please notify that council when you intend to start work on site. Please also notify the council when works are approximately **3 months from completion.**

(Note the term 'vehicles' used in this document refers to all vehicles associated with the implementation of the development, e.g. demolition, site clearance, delivery of plant & materials, construction, etc.)

Revisions to this document may take place periodically.

Timeframe



Contact

1. Please provide the full postal address of the site and the planning reference relating to the construction works.

Address: Channing Junior School, 1 Highgate High Street, Highgate, London, N6 5JR

Planning reference number to which the CMP applies: 2017/2451/PRE

Type of CMP: Framework CMP to support Planning Application. A full CMP will be conditioned as part of the planning consent.

2. Please provide contact details for the person responsible for submitting the CMP.

Name: Matthew Stimpson

Address: Elizabeth House, 39 York Road, London, SE1 7NQ

Email: mstimpson@odysseyconsult.co.uk

Phone: 0207 620 2444

3. Please provide full contact details of the site project manager responsible for day-to-day management of the works and dealing with any complaints from local residents and businesses.

Name: Peter Wylie

Address: Suite 6, Sandhurst House, 297 Yorktown Road, Sandhurst, Berkshire, GU47 0QA

Email: Peterwylie@curoconstruction.com

Phone: 07944855201

4. Please provide full contact details of the person responsible for community liaison and dealing with any complaints from local residents and businesses if different from question 3. In the case of **Community Investment Programme (CIP)**, please provide contact details of the Camden officer responsible.

Name: (same response as question 3)

Address:

Email:

Phone:

5. Please provide full contact details including the address where the main contractor accepts receipt of legal documents for the person responsible for the implementation of the CMP.

Name: Peter Wylie

Address: Suite 6, Sandhurst House, 297 Yorktown Road, Sandhurst, Berkshire, GU47 0QA

Email: Peterwylie@curoconstruction.com

Phone: 07944855201

Site

6. Please provide a site location plan and a brief description of the site, surrounding area and development proposals for which the CMP applies.

The Channing School is an independent day school for girls comprising a junior school, senior school and sixth form. The junior school is primarily located on the western side of Highgate Hill and is in the jurisdiction of the London Borough of Camden (Of which this planning application relates to). The senior school and sixth form are located on the eastern (opposite) side of Highgate Hill and are within the jurisdiction of the London Borough of Haringey. Facilities between the two sites are shared when necessary by the school.

A Site Location Plan is attached at **Figure 1**.

7. Please provide a very brief description of the construction works including the size and nature of the development and details of the main issues and challenges (e.g. narrow streets, close proximity to residential dwellings etc).

Proposed southern rear extension to provide a new hall at ground floor level and minor alteration to the eastern elevation at lower ground level of the existing building. Creation of a sports changing room facility at subterranean level adjacent to the existing tennis courts.

8. Please identify the nearest potential receptors (dwellings, business, etc.) likely to be affected by the activities on site (i.e. noise, vibration, dust, fumes, lighting etc.).

The nearest potential receptors that could be affected by the development are parishioners of St Joseph's RC Church, delegates and employees of the Ghana High Commission and residents of 104 -112 Highgate Hill.

9. Please provide a scaled plan detailing the local highway network layout in the vicinity of the site. This should include details of on-street parking bay locations, cycle lanes, footway extents and proposed site access locations.

Odyssey drawing **17-282-001** shows the existing highway arrangement in the vicinity of the site.

10. Please provide the proposed start and end dates for each phase of construction as well as an overall programme timescale. (A Gantt chart with key tasks, durations and milestones would be ideal).

Phase 1 June 18-Sept 19	Expected Duration	Expected Average Daily Vehicle Trips	Typical Vehicle Type(s)	Anticipated Number of Staff on Site
Site Establishment	4 Weeks	8	3.5t Panel Van 10m Rigid 15m Articulated Flatbed	12
Piling & Ground Beams	6 Weeks	12	10m Rigid	20
Basement Bulk Excavation	4 Weeks	12	10m 4-Axle Tipper	20
Structure (steel frame, concrete floors, cladding, roof).	20 Weeks	12	9m Concrete Mixer 10m Rigid / 15m Articulated Flatbed	25
M&E Services & Fit-out	20 Weeks	12	9m Concrete Mixer 10m Rigid / 15m Articulated Flatbed	25
External Works	4 Weeks	8	7.5tonne Box Van 3.5tonne Panel Van	25
Final finishing, commissioning & snagging	4 Weeks	12	3.5t Panel Van 10m Rigid / 15m Articulated Flatbed	35
Total	15 Months	-	-	-

Phase 2 June 19-Sept 20	Expected Duration	Expected Average Daily Vehicle Trips	Typical Vehicle Type(s)	Anticipated Number of Staff on Site
Site Establishment (June 2018)	4 Weeks	8	3.5t Panel Van 10m Rigid 15m Articulated Flatbed	12
Piling & Ground Beams (July-Sept 2018)	6 Weeks	12	10m Rigid	20
Basement Bulk Excavation	4 Weeks	12	10m 4-Axle Tipper	20
Structure (steel frame, concrete floors, cladding, roof).	20 Weeks	12	9m Concrete Mixer 10m Rigid / 15m Articulated Flatbed	25
M&E Services & Fit-out	20 Weeks	12	9m Concrete Mixer 10m Rigid / 15m Articulated Flatbed	25
External Works	4 Weeks	8	7.5tonne Box Van 3.5tonne Panel Van	25
Final finishing, commissioning & snagging	4 Weeks	12	3.5t Panel Van 10m Rigid / 15m Articulated Flatbed	35
Total	15 Months	-	-	-

11. Please confirm the standard working hours for the site, noting that the standard working hours for construction sites in Camden are as follows:

- 8.00am to 6pm on Monday to Friday
- 8.00am to 1.00pm on Saturdays
- No working on Sundays or Public Holidays

The provisional working hours for the site will be 0800-1800 Monday to Friday and 0800 to 1300 on Saturday. No work will be permitted on Sundays, Bank Holidays and Public Holidays.

12. Please indicate if any changes to services are proposed to be carried out that would be linked to the site during the works (i.e. connections to public utilities and/or statutory undertakers' plant). Larger developments may require new utility services. If so, a strategy and programme for coordinating the connection of services will be required. If new utility services are required, please confirm which utility companies have been contacted (e.g. Thames Water, National Grid, EDF Energy, BT etc.) You must explore options for the utility companies to share the same excavations and traffic management proposals. Please supply details of your discussions.

There are not expected to be any changes to services as a result of the development proposals. This will be confirmed by a contractor once appointed.

Community Liaison

A neighbourhood consultation process must have been undertaken prior to submission of the CMP first draft. This consultation must relate to construction impacts, and should take place following the granting of planning permission in the lead up to the submission of the CMP. A consultation process specifically relating to construction impacts must take place regardless of any prior consultations relating to planning matters. This consultation must include all of those individuals that stand to be affected by the proposed construction works. These individuals should be provided with a copy of the draft CMP, or a link to an online document. They should be given adequate time with which to respond to the draft CMP, and any subsequent amended drafts. Contact details which include a phone number and email address of the site manager should also be provided.

Significant time savings can be made by running an effective neighbourhood consultation process. This must be undertaken in the spirit of cooperation rather than one that is dictatorial and unsympathetic to the wellbeing of local residents and businesses.

These are most effective when initiated as early as possible and conducted in a manner that involves the local community. Involving locals in the discussion and decision making process helps with their understanding of what is being proposed in terms of the development process. **The consultation and discussion process should have already started, with the results incorporated into the CMP first draft submitted to the Council for discussion and sign off.** This communication should then be ongoing during the works, with neighbours and any community liaison groups being regularly updated with programmed works and any changes that may occur due to unforeseen circumstances through newsletters, emails and meetings.

Please note that for larger sites, details of a construction working group may be required as a separate S106 obligation. If this is necessary, it will be set out in the S106 Agreement as a separate requirement on the developer.

Cumulative impact

Sites located within high concentrations of construction activity that will attract large numbers of vehicle movements and/or generate significant sustained noise levels should consider establishing contact with other sites in the vicinity in order to manage these impacts.

The Council can advise on this if necessary.

13. Consultation

The Council expects meaningful consultation. For large sites, this may mean two or more meetings with local residents **prior to submission of the first draft CMP**.

Evidence of who was consulted, how the consultation was conducted and a summary of the comments received in response to the consultation should be included. Details of meetings including minutes, lists of attendees etc. should be appended.

In response to the comments received, the CMP should then be amended where appropriate and, where not appropriate, a reason given. The revised CMP should also include a list of all the comments received. Developers are advised to check proposed approaches to consultation with the Council before carrying them out. If your site is on the boundary between boroughs then we would recommend contacting the relevant neighbouring planning authority.

Please provide details of consultation of draft CMP with local residents, businesses, local groups (e.g. residents/tenants and business associations) and Ward Councillors.

It is planned that the developer /parishioners of St Joseph's RC Church, users of the Ghana High Commission and residents of 104 -112 Highgate Hill will be consulted.

14. Construction Working Group

Please provide details of community liaison proposals including any Construction Working Group that will be set up, addressing the concerns of the community affected by the works, the way in which the contact details of the person responsible for community liaison will be advertised to the local community, and how the community will be updated on the upcoming works i.e. in the form of a newsletter/letter drop, or weekly drop in sessions for residents.

TBC following planning approval.

15. Schemes

Please provide details of your 'Considerate Constructors Scheme' registration, and details of any other similar relevant schemes as appropriate. Contractors will also be required to follow the "Guide for Contractors Working in Camden" also referred to as "Camden's Considerate Contractors Manual".

Curo will enrol this scheme in the CCS and measures will be put in place to follow the initiatives set out by this scheme.

16. Neighbouring sites

Please provide a plan of existing or anticipated construction sites in the local area and please state how your CMP takes into consideration and mitigates the cumulative impacts of construction in the vicinity of the site. The council can advise on this if necessary.

Council to advise.

Transport

This section must be completed in conjunction with your principal contractor. If one is not yet assigned, please leave the relevant sections blank until such time when one has been appointed.

Camden is a CLOCS Champion, and is committed to maximising road safety for Vulnerable Road Users (VRUs) as well as minimising negative environmental impacts created by motorised road traffic. As such, all vehicles and their drivers servicing construction sites within the borough are bound by the conditions laid out in the CLOCS Standard.

This section requires details of the way in which you intend to manage traffic servicing your site, including your road safety obligations with regard to VRU safety. It is your responsibility to ensure that your principal contractor is fully compliant with the terms laid out in the CLOCS Standard. It is your principal contractor's responsibility to ensure that all contractors and sub-contractors attending site are compliant with the terms laid out in the CLOCS Standard.

Checks of the proposed measures will be carried out by the council to ensure compliance. Please refer to the CLOCS Standard when completing this section. Guidance material which details CLOCS requirements can be accessed here, details of the monitoring process are available here.

Please contact CLOCS@camden.gov.uk for further advice or guidance on any aspect of this section.

Please refer to the CLOCS Overview and Monitoring Overview documents referenced above which give a breakdown of requirements.

CLOCS Contractual Considerations

17. Name of Principal contractor:

Curo Construction.

18. Please submit the proposed method for checking operational, vehicle and driver compliance with the CLOCS Standard throughout the duration of the contract (please refer to our CLOCS Overview document and Q18 example response).

A delivery booking system will be used which will require the entry of a FORS ID number in order for a delivery to be booked onto site.

Checks of FORS ID numbers will form part of the periodic checks and will be carried out as per an appropriate risk scale.

Random spot checks will be carried out by site staff on vehicles and drivers servicing the site at a frequency based on the aforementioned risk scale. These will include evidence of further training, license checks, evidence of routing information, and checks of vehicle safety equipment. Results from these checks will be logged and retained, and enforced upon accordingly.

19. Please confirm that you as the client/developer and your principal contractor have read and understood the CLOCS Standard and included it in your contracts. Please sign-up to join the CLOCS Community to receive up to date information on the standard by expressing an interest online.

I confirm that I have included the requirement to abide by the CLOCS Standard in my contracts to my contractors and suppliers:

Where the contractor's own vehicles and drivers are used the above approach will be modified accordingly.

Collision reporting data will be requested from operators and acted upon when necessary

Please contact CLOCS@camden.gov.uk for further advice or guidance on any aspect of this section.

Site Traffic

Sections below shown in blue directly reference the CLOCS Standard requirements. The CLOCS Standard should be read in conjunction with this section.

20. Traffic routing: *"Clients shall ensure that a suitable, risk assessed vehicle route to the site is specified and that the route is communicated to all contractors and drivers. Clients shall make contractors and any other service suppliers aware that they are to use these routes at all times unless unavoidable diversions occur."* (P19, 3.4.5)

Routes should be carefully considered and risk assessed, taking into account the need to avoid where possible any major cycle routes and trip generators such as schools, offices, public buildings, museums etc. Where appropriate, on routes that use high risk junctions (i.e. those that attract high volumes of cycling traffic) installing Trixi mirrors to aid driver visibility should be considered.

Consideration should also be given to weight restrictions, low bridges and cumulative impacts of construction (including neighbouring construction sites) on the public highway network. The route(s) to and from the site should be suitable for the size of vehicles that are to be used.

a. Please indicate routes on a drawing or diagram showing the public highway network in the vicinity of the site including details of how vehicles will be routed to the Transport for London Road Network (TLRN) on approach and departure from the site.

The site has a large frontage onto Highgate High Street (B519), a broad carriageway which in total measures some 14 metres in width. It is proposed that a temporary construction vehicle access point is formed on to this road by partially demolishing an existing wall and suspending some 12 metres (2 bays) of pay and display bay.

Given that the site will benefit from direct access onto the B519, it will not be necessary to route construction vehicles along narrow or minor roads. Construction vehicles will access the B519 from the A1 Archway Road from either the north or the south depending upon origin.

b. Please confirm how contractors, delivery companies and visitors will be made aware of the route (to and from the site) and of any on-site restrictions, prior to undertaking journeys.

All major deliveries will be managed and co-ordinated by key members of the site team. Weekly Delivery Schedules will be agreed with Supply Chain to ensure main routes do not become congested with 'waiting' vehicles. The delivery schedules will take account of peak traffic times on and around the site and delivery times will need to be limited to ensure deliveries do not arrive at school day start & end times. Traffic marshals will control the movement of lorries in and around the site

All deliveries will be given prior notification of the time restrictions when an order/delivery is scheduled during term time. Any delivery that arrives within the above hours will be sent away. We can confirm that NO waiting on the public Highway will be permitted.

21. Control of site traffic, particularly at peak hours: "*Clients shall consider other options to plan and control vehicles and reduce peak hour deliveries"* (P20, 3.4.6)

Construction vehicle movements are generally acceptable between 9.30am to 4.30pm on weekdays and between 8.00am and 1.00pm on Saturdays). If there is a school in the vicinity of the site or on the proposed access and/or egress routes, then deliveries must be restricted to between 9.30am and 3pm on weekdays during term time. (Refer to the *Guide for Contractors Working in Camden*).

A delivery plan should ensure that deliveries arrive at the correct part of site at the correct time. Instructions explaining such a plan should be sent to all suppliers and contractors**.** Consideration should be given to the location of any necessary holding areas for large sites with high volumes of traffic. Vehicles must not wait or circulate on the public highway. Whilst deliveries should be given set times to arrive, dwell and depart, no undue time pressures should be placed upon the driver at any time.

a. Please provide details of the typical sizes of all vehicles and the approximate frequency and times of day when they will need access to the site, for each phase of construction. You should estimate the average daily number of vehicles during each major phase of the work, including their dwell time at the site. High numbers of vehicles per day and/or long dwell times may require vehicle holding procedures.

It is anticipated that the following construction vehicles would be utilised during the works:

- Small skip lorry – 6.26m in length;
- Concrete mixer – 8.36m in length;
- Rigid truck – up to13.5m in length;
- Large tipper – 10.2m in length;
- Low Loader (piling rig delivery) – 17.9m in length;
- Mobile Crane – 19.0m in length.

It is reasonably assumed that the maximum number of heavy vehicles would not exceed 15 HGVs per day during the peak periods of the construction phase. These vehicles would include tipper-type vehicles, delivery and concrete mixer trucks. The number of heavy vehicles accessing the site is expected to be considerably less during the demolition and fit out phases.
In view of the strict management of construction vehicle activity at the site it is considered unlikely that more than one large vehicle would access the site simultaneously.

b. Please provide details of other developments in the local area or on the route.

Council to Advise

c. Please outline the system that is to be used to ensure that the correct vehicle attends the correct part of site at the correct time.

Pre-arranged delivery times will be set by the site manager and will be strictly adhered to in order to prevent more than one delivery vehicle accessing the site at any one time. The site manager will detail out weekly deliveries, so all the site team are aware of what will be arriving.

The above requirement will form part of all contract documentation with suppliers. In view of the above procedure, no 'wider' off-site vehicle holding areas are proposed in association with the proposed works.

It has previously been discussed that the site will make sufficient/ suitable provision in the event that more than one (large) vehicle simultaneously attends. This situation is however not expected to regularly occur owing to strict management of arrivals.

Fully trained and competent Traffic Marshalls (TM's) will be in attendance at all times to coordinate deliveries. Traffic Marshals will be instructed to turn away any un-scheduled delivery, with follow-up contact by the logistics manager to the delivery company involved to ensure adherence to contracts.

d. Please identify the locations of any off-site holding areas (an appropriate location outside the borough may need to be identified, particularly if a large number of delivery vehicles are expected) and any measures that will be taken to ensure the prompt admission of vehicles to site in light of time required for any vehicle/driver compliance checks. Please refer to question 24 if any parking bay suspensions will be required for the holding area.

There will be no off site holding areas required for the duration of the works. The site will work with other nearby construction sites as described earlier within this CMP.

e. Please provide details of any other measures designed to reduce the impact of associated traffic (such as the use of construction material consolidation centres).

The site manager, and by delegation the site foreman, will take ownership of the final/ approved CMP and will ultimately be responsible for implementing the measures set out therein. The Contractor will contact Camden Highways Officers prior to commencement of works to agree any final matters relating to the Construction Management strategy.

Delivery Times

Pre-arranged delivery times will be set by the site manager and will be strictly adhered to in order to prevent more than one delivery vehicle accessing the site at any one time. The above requirement will form part of all contract documentation with suppliers. In view of the above procedure, no off-site vehicle holding areas are proposed in association with the proposed works.

Co-ordination with Other Construction Activity

The site manager will, prior to commencement on site and at regular intervals during the construction and in liaison with relevant officers at Camden, check for other local construction activity for the purpose of liaising with those sites on matters relating to construction activity (including vehicle movements). Camden Council should inform the Site Manager of any other construction activity in the vicinity of the site (Including Greenwood Place)

Co-ordination with Domestic Waste Collections

The LB Camden's website states that domestic rubbish and recycling collection activity in the vicinity of the site takes place on Mondays. The Contractor, all sub-contractors and suppliers will be made aware of the existing collection activity and will ensure that waste collection vehicles are not unduly obstructed by the construction works. To this end, priority will be given by banksmen to waste collection vehicles where relevant.

Road Sweeping and Wheel Washing

A wheel washing facility will, in accordance with good practice, be provided at the site for use throughout the construction period. Any mud or debris that might find their way onto the public highways will be removed by a dedicated member of the Contractor's staff (road sweeper).

Pollution and Dust Control

Camden Council require the control of construction vehicle and plant emissions, with particular emphasis on PM10 and NOx emissions. Upon appointment of a Contractor, and prior to any works taking place, a Method Statement will be prepared and submitted in line with the minimum recommendations set out in Camden's Local policy guidance.

Similarly, the Method Statement will include details relating to the control of dust emissions from demolition and construction activity.

The method Statements should include measures to reduce dust pollution and other airborne debris such as:

- Ensuring that all materials transported to and from site are in enclosed containers or fully sheeted;
- Ensuring stock piles of topsoil etc. are kept below hoarding heights and kept damp in dry windy conditions;
- All vehicles removing dust generating materials or waste are to be completely sheeted with tarpaulin/ netting;
- Ensuring materials have a minimum of packaging;
- Ensuring all polystyrene and similar lightweight materials are weighted down;
- Making sure all dust generating materials are adequately packaged;
- Ensuring all vehicles leaving the site have been through the wheel wash and that loads are covered where spoil or demolition material is being removed;
- Keeping the loading drop heights of soil into lorries as low as possible;
- Establish air quality procedures to minimise dust generation and control plant and vehicle dust emissions;
- Undertaking regular air quality sampling to monitor air quality levels.

In addition to the above provisions, the following measures will be taken to reduce any further negative effects on the environment:

- Ensuring all contaminants on site are safely stored with the necessary procedures put in place for leaks and spillages etc.
- A waste management system will be implemented on site.

Noise / Vibration

A variety of measures will be used to minimise the noise levels at the site, including:

- Coordinated delivery times and efficient traffic management to prevent queuing of traffic accessing the site;
- Ensuring all plant has sound reduction measures (mufflers, baffles or silencers);
- Utilising construction techniques that minimise the production of noise;
- Strict adherence to the site working hours;
- Implement an action plan where noise levels exceed acceptable levels;
- Positioning plant away from properties;
- Machines not in use will be throttled down to a minimum;
- Cutting operations will be kept off site as much as possible by pre-fabrication;
- Localised shrouding of plant in accordance with BS5228; and
- Toolbox talks to site operatives.

22. Site access and egress: "*Clients shall ensure that access to and egress from the site is appropriately managed, clearly marked, understood and clear of obstacles.*" (P18, 3.4.3)

Vehicles entering and leaving the site should be carefully managed, using gates that are clearly marked and free from obstacles. Traffic marshals must ensure the safe passage of all traffic on the public highway, in particular pedestrians and cyclists, when vehicles are entering and leaving site, particularly if reversing.

Traffic marshals, or site staff acting as traffic marshals, should hold the relevant qualifications required for directing large vehicles when reversing. Marshals should be equipped with 'STOP – WORKS' signs (not STOP/GO signs) if control of traffic on the public highway is required. Marshals should have radio contact with one another where necessary.

a. Please detail the proposed access and egress routes to and from the site

Construction vehicles will enter the site directly from the adjacent B519 Highgate High Street. A temporary access and crossover arrangement onto Highgate High Street will be formed by removing part of a boundary wall and suspending 2 parking bays.

b. Please describe how the access and egress arrangements for construction vehicles will be managed.

Appropriately trained banksmen will assist vehicle movements in an out of the site and manage the interaction between the construction vehicle and other road users.

c. Please provide swept path drawings for any tight manoeuvres on vehicle routes to and from the site including proposed access and egress arrangements at the site boundary (if necessary).

Swept Path drawings are provided as follows:

Phase One: Odyssey Drawing **17-282-002**; and,

Phase Two: Odyssey Drawing **17-282-004.**

d. Provision of wheel washing facilities should be considered if necessary. If so, please provide details of how this will be managed and any run-off controlled.

A wheel washing facility will, in accordance with good practice, be provided at the site for use throughout the construction period. Any mud or debris that might find their way onto the public highways will be removed by a dedicated member of the Contractor's staff. Liquid or spoil run-off will be controlled on site via regular inspections and protecting mats. The site will also contain a store for diesel generator oil, fuel and other similar liquids.

23. Vehicle loading and unloading: *"Clients shall ensure that vehicles are loaded and unloaded on-site as far as is practicable."* (P19, 3.4.4)

If this is not possible, Traffic Marshalls must ensure the safe passage of pedestrians, cyclists and motor traffic in the street when vehicles are being loaded or unloaded.

Please provide details of the parking and loading arrangements for construction vehicles with regard to servicing and deliveries associated with the site (e.g. delivery of materials and plant, removal of excavated material). This is required as a scaled site plan, showing all points of access and where materials, skips and plant will be stored, and how vehicles will access and egress the site. If loading is to take place off site, please identify where this is due to take place and outline the measures you will take to ensure that loading/unloading is carried out safely. Please outline in question 24 if any parking bay suspensions will be required.

Suitably qualified banksmen will assist construction vehicles as they enter and leave the site. The banksmen will manage the interaction between the construction vehicles and other road users. Banksmen will be permanently stationed at the site entrance throughout site open hours.

Highway interventions

Please note that Temporary Traffic Orders (TTOs) and hoarding/scaffolding licenses may be applied for prior to CMP submission but won't be granted until the CMP is signed-off.

If the site is on or adjacent to the TLRN, please provide details of preliminary discussions with Transport for London in the relevant sections below.

24. Parking bay suspensions and temporary traffic orders

Please note, parking bay suspensions should only be requested where absolutely necessary. Parking bay suspensions are permitted for a maximum of 6 months, requirement of exclusive access to a bay for longer than 6 months you will be required to obtain Temporary Traffic Order (TTO) for which there is a separate cost.

Please provide details of any proposed parking bay suspensions and TTO's which would be required to facilitate construction. **Building materials and equipment must not cause obstructions on the highway as per your Considerate Contractors obligations unless the requisite permissions are secured.**

Information regarding parking suspensions can be found here.

A Traffic Regulation Order is required for the suspension of two parking bays on Highgate road as shown on **Drawing 17-282-003**

25. Scaled drawings of highway works

Please note that use of the public highway for storage, site accommodation or welfare facilities is at the discretion of the Council and is generally not permitted. If you propose such use you must supply full justification, setting out why it is impossible to allocate space on-site. You must submit a detailed (to-scale) plan showing the impact on the public highway that includes the extent of any hoarding, pedestrian routes, parking bay suspensions and remaining road width for vehicle movements. We prefer not to close footways but if this is unavoidable, you should submit a scaled plan of the proposed diversion route showing key dimensions.

a. Please provide accurate scaled drawings of any highway works necessary to enable construction to take place (e.g. construction of temporary vehicular accesses).

Please see drawings **17-282-03** and **17-282-04** which provide an indicative site set-up arrangement

b. Please provide details of all safety signage, barriers and accessibility measures such as ramps and lighting etc.

Pedestrian flows at the site entrances will accordingly be controlled by qualified banksmen, who will be on duty at all relevant periods. Additionally, deliveries will be programmed to avoid peak school periods at the start and end of each day.

A temporary hoarding line will be erected to isolate the construction phases from the school playing/activities area.

During Phase 1 there will be a pupil crossover installed `to allow pupils to pass through the construction area in order to access the activity area. This facility will be managed strictly by banksmen and gates to ensure pupils can only cross at safe times.

26. Diversions

Where applicable, please supply details of any diversion, disruption or other anticipated use of the public highway during the construction period (alternatively a plan may be submitted).

N/A

27. VRU and pedestrian diversions, scaffolding and hoarding

Pedestrians and/or cyclist safety must be maintained if diversions are put in place. Vulnerable footway users should also be considered. These include wheelchair users, the elderly, those with walking difficulties, young children, those with prams, the blind and

partially sighted. Appropriate ramping must be used if cables, hoses, etc. are run across the footway.

Any work above ground floor level may require a covered walkway adjacent to the site. A licence must be obtained for scaffolding and gantries. The adjoining public highway must be kept clean and free from obstructions. Lighting and signage should be used on temporary structures/skips/hoardings etc.

A secure hoarding will generally be required at the site boundary with a lockable access.

a. Please provide details describing how pedestrian and cyclist safety will be maintained, including any proposed alternative routes (if necessary), and any Traffic Marshall arrangements.

N/A

b. Please provide details of any temporary structures which would overhang the public highway (e.g. scaffolding, gantries, cranes etc.) and details of hoarding requirements or any other occupation of the public highway.

N/A

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Environment

To answer these sections please refer to the relevant sections of **Camden's Minimum Requirements for Building Construction (CMRBC).**

28. Please list all noisy operations and the construction method used, and provide details of the times that each of these are due to be carried out.

Having considered the issue of Noise Pollution on the Channing School Project we have identified the main sources of noise on the project as:

- Piling
- Groundworks
- Demolitions
- Site Vehicles and Site Plant operating on the site

29. Please confirm when the most recent noise survey was carried out (before any works were carried out) and provide a copy. If a noise survey has not taken place please indicate the date (before any works are being carried out) that the noise survey will be taking place, and agree to provide a copy.

Noise survey will be carried out during the first quarter of 2018 and a copy will be provided.

30. Please provide predictions for noise and vibration levels throughout the proposed works.

Predictions to follow once a suitably qualified acoustician has reviewed the proposed construction methodology.

31. Please provide details describing mitigation measures to be incorporated during the construction/demolition works to prevent noise and vibration disturbances from the activities on the site, including the actions to be taken in cases where these exceed the predicted levels.

The measures we will take to reduce noise pollution will be as follows:

- We will work closely and cooperate fully in terms of working in normal site hours,as set out by London Borough of Camden which also takes into account the planning condition that has been stipulated regarding working hours.
- Well maintained, sound attenuated plant will be used to carry out all operations
- Reducing plant noise to acceptable levels
- Solid hoarding will be used along the boundary of the construction compound. Thiswill reflect sound back into the site to a significant extent. This will be supplemented locally to machinery with movable sound reflecting/absorbing barriers.
- Noise arising from Site Vehicles and plant will be managed first of all by rigorously implementing the site hours.

Careful selection of plant and vehicles is essential. All plant used on the Channing Junior School site will be sound attanuated and will be regularly serviced/maintained to ensure it is operating correctly. The site induction for plant operators will cover the issue of noise specifically and they will be warned against over revving of plant and the operation of horns in all but necessary situations. Machine operatives will be advised to isolate plant/ equipment during idle periods reducing not only noise levels but encouraging efficient running of equipment and reduced fumes.

In terms of misbehaviour of operatives and staff on the site this will be guarded against by strict rules being out in place that will form part of Supply Chain method statements and will be covered in site induction and tool box talks. Any operative found in contravention of the required standards will be warned for a first offence and removed from the site should there be a re-occurrence.

All the measures mentioned above and others will be captured and monitored in our proposals under the Considerate Contractors scheme.

As part of the CCS requirement and in line with our Company Policy, we will put in place a complaints procedure which will include 24/7 contact details for the Site Management Team, a logging system for complaints and a process for remedial action to be identified and implemented

32. Please provide evidence that staff have been trained on BS 5228:2009

Curo Construction to provide ahead of the proposed start on site date.

33. Please provide details on how dust nuisance arising from dusty activities, on site, will be prevented.

In relation to dust, groundworks & demolitions is again likely to be the main source of disruption. Prior to starting daily operations wind speed and direction will be assessed and method/ sequence of works adjusted if necessary. Water spraying techniques will be utilised in necessary to suppress dust.

Apart from groundwork activities dust is likely to present a problem during long dry spells and in these periods damping down across the site will be employed to avoid windborne dust crossing the site boundary and causing inconvenience.

34. Please provide details describing how any significant amounts of dirt or dust that may be spread onto the public highway will be prevented and/or cleaned.

With regard to the risk of mud being spread to adjacent highways, Curo will maintain wheel washing facilities on site and carefully maintain clean hardstanding's across the site to ensure the surrounding highways remain in a clean acceptable condition and are not impacted on by our work.

35. Please provide details describing arrangements for monitoring of noise, vibration and dust levels.

Please also refer to the answers shown at 21e.

36. Please confirm that a Risk Assessment has been undertaken at planning application stage in line with the GLA policy. The Control of Dust and Emissions During Demolition and Construction 2104 (SPG), that the risk level that has been identified, and that the appropriate measures within the GLA mitigation measures checklist have been applied. Please attach the risk assessment and mitigation checklist as an appendix.

Please see attached our Air Pollution Risk Assessment Score Sheet for Construction Activities.

37. Please confirm that all of the GLA's 'highly recommended' measures from the SPG document relative to the level of risk identified in question 36 have been addressed by completing the GLA mitigation measures checklist.

The GLA mitigation measures checklist has been reviewed and where applicable covered by the Air Pollution Risk Assessment. Any further mitigation measures not covered by this will be dealt with via the Curo Construction SHEQ plan and further RAMS.

38. If the site is a 'High Risk Site', 4 real time dust monitors will be required. If the site is a 'Medium Risk Site', 2 real time dust monitors will be required. The risk assessment must take account of proximity to sensitive receptors (e.g. schools, care homes etc), as detailed in the SPG. Please confirm the location, number and specification of the monitors in line with the SPG and confirm that these will be installed 3 months prior to the commencement of works, and that real time data and quarterly reports will be provided to the Council detailing any exceedances of the threshold and measures that were implemented to address these.

The Air Pollution Risk Assessment score is within the Medium Risk range. Two number real time dust monitors will be installed as required and the data issued back to the council as requested. Specification of the monitors will be confirmed in due course.

39. Please provide details about how rodents, including rats, will be prevented from spreading out from the site. You are required to provide information about site inspections carried out and present copies of receipts (if work undertaken).

As our site is within the confines of the school grounds we will comply with the school policy unless we feel extra measures need to be undertaken, in which case we will engage with a specialist vermin control subcontractor and implement a plan in line with their recommendations.

40. Please confirm when an asbestos survey was carried out at the site and include the key findings.

An asbestos survey has not yet been carried out.

41. Complaints often arise from the conduct of builders in an area. Please confirm steps being taken to minimise this e.g. provision of a suitable smoking area, tackling bad language and unnecessary shouting.

In terms of misbehaviour of operatives and staff on the site this will be guarded against by strict rules being out in place that will form part of Supply Chain method statements and will be covered in site induction and tool box talks. Any operative found in contravention of the required standards will be warned for a first offence and removed from the site should there be a re-occurrence.

All the measures mentioned above and others will be captured and monitored in our proposals under the Considerate Contractors scheme.

42. If you will be using non-road mobile machinery (NRMM) on site with net power between 37kW and 560kW it will be required to meet the standards set out below. The standards are applicable to both variable and constant speed engines and apply for both PM and NOx emissions.

From 1st September 2015

(i) Major Development Sites – NRMM used on the site of any major development will be required to meet Stage IIIA of EU Directive 97/68/EC

(ii) Any development site within the Central Activity Zone - NRMM used on any site within the Central Activity Zone will be required to meet Stage IIIB of EU Directive 97/68/EC

From 1st September 2020

(iii) Any development site - NRMM used on any site within Greater London will be required to meet Stage IIIB of EU Directive 97/68/EC

(iv) Any development site within the Central Activity Zone - NRMM used on any site within the Central Activity Zone will be required to meet Stage IV of EU Directive 97/68/EC

Please provide evidence demonstrating the above requirements will be met by answering the following questions:

a) Construction time period (mm/yy - mm/yy):

b) Is the development within the CAZ? (Y/N):

c) Will the NRMM with net power between 37kW and 560kW meet the standards outlined above? (Y/N):

d) Please provide evidence to demonstrate that all relevant machinery will be registered on the NRMM Register, including the site name under which it has been registered:

e) Please confirm that an inventory of all NRMM will be kept on site and that all machinery will be regularly serviced and service logs kept on site for inspection:

f) Please confirm that records will be kept on site which details proof of emission limits, including legible photographs of individual engine plates for all equipment, and that this documentation will be made available to local authority officers as required:

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Agreement

The agreed contents of this Construction Management Plan must be complied with unless otherwise agreed in writing by the Council. This may require the CMP to be revised by the Developer and reapproved by the Council. The project manager shall work with the Council to review this Construction Management Plan if problems arise in relation to the construction of the development. Any future revised plan must be approved by the Council in writing and complied with thereafter.

It should be noted that any agreed Construction Management Plan does not prejudice further agreements that may be required such as road closures or hoarding licences.

Please notify that council when you intend to start work on site. Please also notify the council when works are approximately 3 months from completion.

Signed: ……

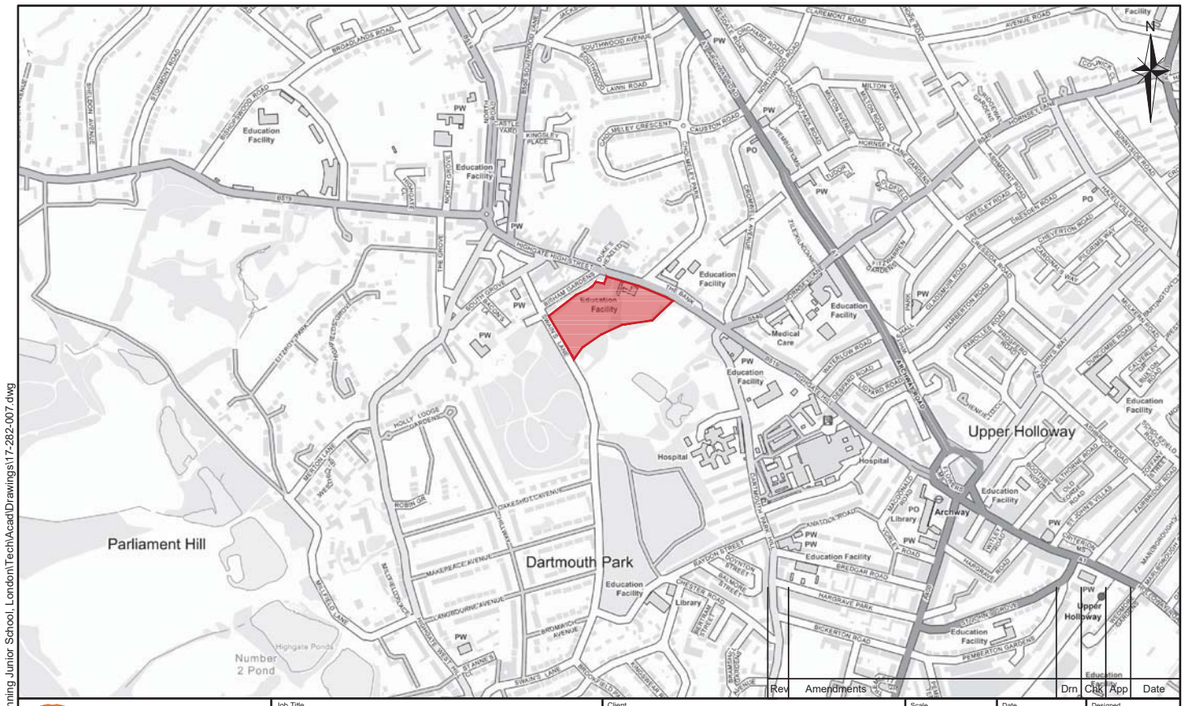
Date: ……..

Print Name: ……

Position: ……

Please submit to: planningobligations@camden.gov.uk

End of form.



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Rev	Amendments	Drn	Chk	App	Date

ODYSSEY

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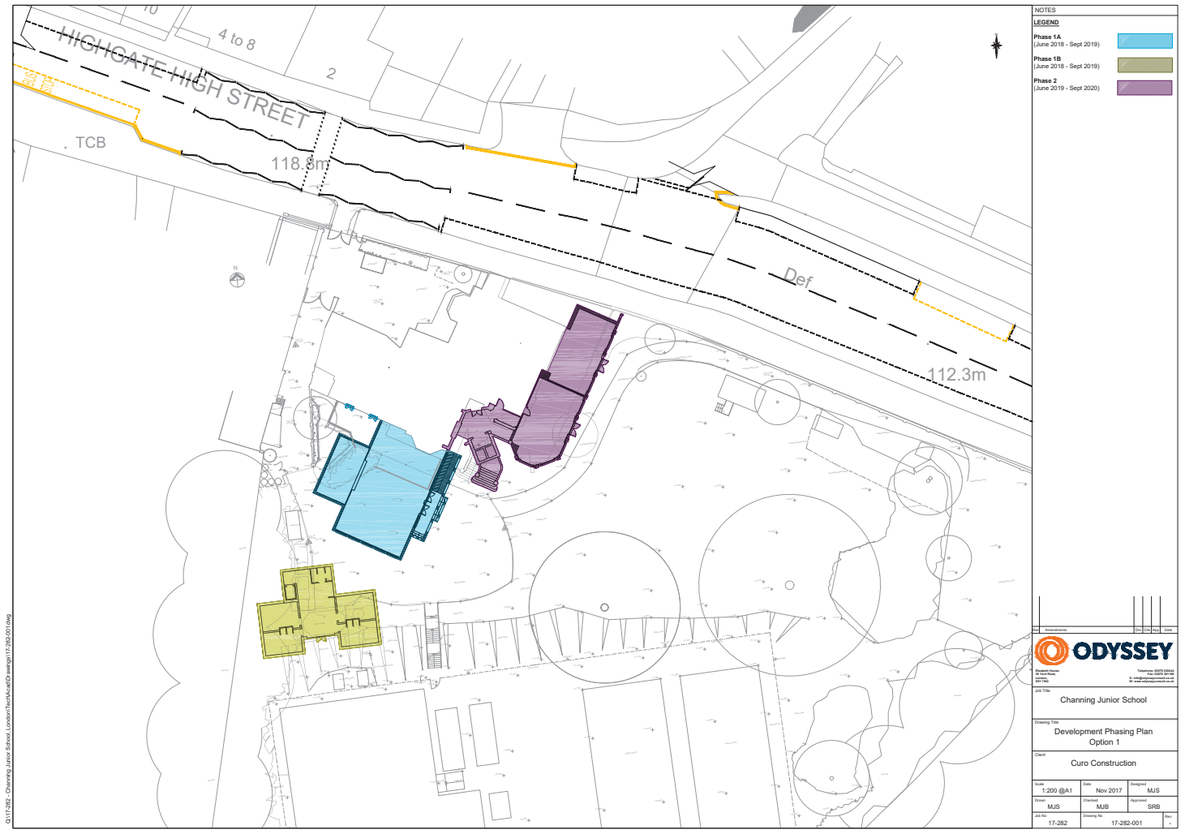
Job Title: Channing Junior School	Client: Curo Construction	Scale: NTS @A4	Date: ???? ??
		Drawn: MJS	Checked: MJB
Drawing Title: Site Location Plan		Job No: 17-282	Drawing No: Figure 1

Designed: MJS
Approved: SRB
Rev: -



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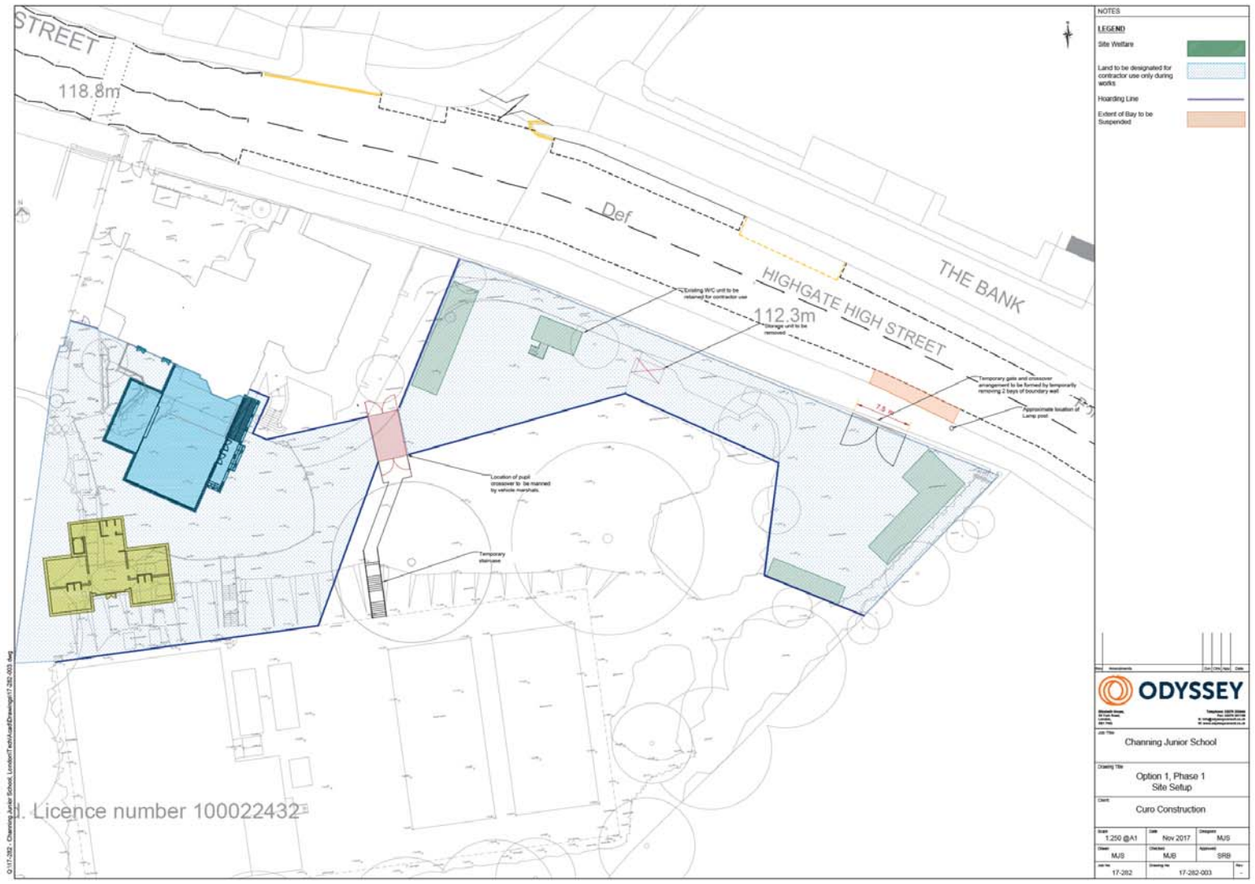

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