



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No. Sheet No. Rev.

J14267A

Drg. Ref.

Made by
MP

Date
02-Jul-2015

Checked

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion		No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels				
			First point	Second point									
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]					
Grid	Grid 1	Global X	-30.00000	-30.00000	99.00000	-	45.00000	99.00000	75	95.00000	95	Yes	Surface

Vertical Ground Movement Curves

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

Curve Name: Installation of contiguous 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)(%)]
 [0.000,0.000,0.040][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
 Polynomial: z = -2.0E-2x + 4.0E-2
Coeff. of Determination: 1.0

Horizontal Ground Movement Curves

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

Curve Name: Installation of contiguous 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)(%)]
 [0.000,0.000,0.041][0.050,0.000,0.039][0.100,0.000,0.036][0.150,0.000,0.034][0.200,0.000,0.032][0.250,0.000,0.030][0.300,0.000,0.029][0.350,0.000,0.027][0.400,0.000,0.025][0.450,0.000,0.023][0.500,0.000,0.022][0.550,0.000,0.020][0.600,0.000,0.019][0.650,0.000,0.018][0.700,0.000,0.016][0.750,0.000,0.015][0.800,0.000,0.014][0.850,0.000,0.013][0.900,0.000,0.012][0.950,0.000,0.010][1.000,0.000,0.009][1.050,0.000,0.008][1.100,0.000,0.007][1.150,0.000,0.006][1.200,0.000,0.005][1.250,0.000,0.004][1.300,0.000,0.004][1.350,0.000,0.003][1.400,0.000,0.002][1.450,0.000,0.001][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
 Polynomial: z = -4.2486E-3x³ + 1.9096E-2x² - 4.6221E-2x + 4.0729E-2
Coeff. of Determination: 1.0000

Polygonal Excavations

Excavation Name: New Excavation - Underpinned
Surface level [m]: 100.00
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: 95.000

Corner	x	y	Base Level	Stiffened	Previous Side	Next Side
	[m]	[m]	[m]		d p1 p2* [m] [%] [%]	d p1 p2* [m] [%] [%]
1	20.000	0.0	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000
2	35.000	0.0	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000
3	35.000	12.000	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000
4	20.000	12.000	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000

Side	Corner 1		Corner 2		Vertical		Ground Movement Curve		Horizontal	
	x [m]	y [m]	x [m]	y [m]	d [m]	p1 [%]	p2* [%]	d [m]	p1 [%]	p2* [%]
1	20.000	0.0	35.000	0.0	0.0	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
2	35.000	0.0	35.000	12.000	0.0	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
3	35.000	12.000	20.000	12.000	0.0	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
4	20.000	12.000	20.000	0.0	0.0	No vertical ground movement	No horizontal ground movement	No vertical ground movement	No horizontal ground movement	No horizontal ground movement

Excavation Name: New Excavation - Filled
Surface level [m]: 100.00
Contribution: Positive
Enabled: Yes
Surface movement curves which are selected are applied between surface and [m]: 92.000

Corner	x	y	Base Level	Stiffened	Previous Side	Next Side
	[m]	[m]	[m]		d p1 p2* [m] [%] [%]	d p1 p2* [m] [%] [%]
1	0.0	0.0	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000
2	20.000	0.0	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000
3	20.000	12.000	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000
4	0.0	12.000	96.000	Yes	0.0 67.000 25.000	0.0 67.000 25.000

Side	Corner 1		Corner 2		Vertical		Ground Movement Curve		Horizontal	
	x [m]	y [m]	x [m]	y [m]	d [m]	p1 [%]	p2* [%]	d [m]	p1 [%]	p2* [%]
1	0.0	0.0	20.000	0.0	0.0	Installation of contiguous bored pile wall in stiff clay	Installation of contiguous bored pile wall in stiff clay	Installation of contiguous bored pile wall in stiff clay	Installation of contiguous bored pile wall in stiff clay	Installation of contiguous bored pile wall in stiff clay



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Side	Corner 1		Corner 2		Ground Movement Curve	
	x [m]	y [m]	x [m]	y [m]	Vertical	Horizontal
2	20.000	0.0	20.000	12.000	(CIRIA 580 Fig. 2.8(b)) No vertical ground movement	(CIRIA 580 Fig. 2.8(a)) No horizontal ground movement
3	20.000	12.000	0.0	12.000	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
4	0.0	12.000	0.0	0.0	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))

Damage Category Strains

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

Warnings

- Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).
- Embedded Wall Excavation PE1 : New Excavation - Underpinned intersects PE2 : New Excavation - Piled.
- Embedded Wall Excavation PE2 : New Excavation - Piled intersects PE1 : New Excavation - Underpinned.

Displacement and Strain Results

Type/No.	Name	Dist. [m]	Coordinates [m]			Displacements [mm]		
			x	y	z	x	y	z
Grid 1	Grid 1		-30.00000	-30.00000	99.00000	0.0	0.0	0.0
			-29.00000	-30.00000	99.00000	0.0	0.0	0.0
			-28.00000	-30.00000	99.00000	0.0	0.0	0.0
			-27.00000	-30.00000	99.00000	0.0	0.0	0.0
			-26.00000	-30.00000	99.00000	0.0	0.0	0.0
			-25.00000	-30.00000	99.00000	0.0	0.0	0.0
			-24.00000	-30.00000	99.00000	0.0	0.0	0.0
			-23.00000	-30.00000	99.00000	0.0	0.0	0.0
			-22.00000	-30.00000	99.00000	0.0	0.0	0.0
			-21.00000	-30.00000	99.00000	0.0	0.0	0.0
			-20.00000	-30.00000	99.00000	0.0	0.0	0.0
			-19.00000	-30.00000	99.00000	0.0	0.0	0.0
			-18.00000	-30.00000	99.00000	0.0	0.0	0.0
			-17.00000	-30.00000	99.00000	0.0	0.0	0.0
			-16.00000	-30.00000	99.00000	0.0	0.0	0.0
			-15.00000	-30.00000	99.00000	0.0	0.0	0.0
			-14.00000	-30.00000	99.00000	0.0	0.0	0.0
			-13.00000	-30.00000	99.00000	0.0	0.0	0.0
			-12.00000	-30.00000	99.00000	0.0	0.0	0.0
			-11.00000	-30.00000	99.00000	0.0	0.0	0.0
			-10.00000	-30.00000	99.00000	0.0	0.0	0.0
			-9.00000	-30.00000	99.00000	0.0	0.0	0.0
			-8.00000	-30.00000	99.00000	0.0	0.0	0.0
			-7.00000	-30.00000	99.00000	0.0	0.0	0.0
			-6.00000	-30.00000	99.00000	0.0	0.0	0.0
			-5.00000	-30.00000	99.00000	0.0	0.0	0.0
			-4.00000	-30.00000	99.00000	0.0	0.0	0.0
			-3.00000	-30.00000	99.00000	0.0	0.0	0.0
			-2.00000	-30.00000	99.00000	0.0	0.0	0.0
			-1.00000	-30.00000	99.00000	0.0	0.0	0.0
			0.00000	-30.00000	99.00000	0.0	0.0	0.0
			1.00000	-30.00000	99.00000	0.0	0.0	0.0
			2.00000	-30.00000	99.00000	0.0	0.0	0.0
			3.00000	-30.00000	99.00000	0.0	0.0	0.0
			4.00000	-30.00000	99.00000	0.0	0.0	0.0
			5.00000	-30.00000	99.00000	0.0	0.0	0.0
			6.00000	-30.00000	99.00000	0.0	0.0	0.0
			7.00000	-30.00000	99.00000	0.0	0.0	0.0
			8.00000	-30.00000	99.00000	0.0	0.0	0.0
			9.00000	-30.00000	99.00000	0.0	0.0	0.0
			10.00000	-30.00000	99.00000	0.0	0.0	0.0
			11.00000	-30.00000	99.00000	0.0	0.0	0.0
			12.00000	-30.00000	99.00000	0.0	0.0	0.0
			13.00000	-30.00000	99.00000	0.0	0.0	0.0
			14.00000	-30.00000	99.00000	0.0	0.0	0.0
			15.00000	-30.00000	99.00000	0.0	0.0	0.0
			16.00000	-30.00000	99.00000	0.0	0.0	0.0
			17.00000	-30.00000	99.00000	0.0	0.0	0.0
			18.00000	-30.00000	99.00000	0.0	0.0	0.0
			19.00000	-30.00000	99.00000	0.0	0.0	0.0
			20.00000	-30.00000	99.00000	0.0	0.0	0.0
			21.00000	-30.00000	99.00000	0.0	0.0	0.0
			22.00000	-30.00000	99.00000	0.0	0.0	0.0
			23.00000	-30.00000	99.00000	0.0	0.0	0.0
			24.00000	-30.00000	99.00000	0.0	0.0	0.0
			25.00000	-30.00000	99.00000	0.0	0.0	0.0
			26.00000	-30.00000	99.00000	0.0	0.0	0.0
			27.00000	-30.00000	99.00000	0.0	0.0	0.0
			28.00000	-30.00000	99.00000	0.0	0.0	0.0
			29.00000	-30.00000	99.00000	0.0	0.0	0.0
			30.00000	-30.00000	99.00000	0.0	0.0	0.0
			31.00000	-30.00000	99.00000	0.0	0.0	0.0
			32.00000	-30.00000	99.00000	0.0	0.0	0.0
			33.00000	-30.00000	99.00000	0.0	0.0	0.0
			34.00000	-30.00000	99.00000	0.0	0.0	0.0
			35.00000	-30.00000	99.00000	0.0	0.0	0.0
			36.00000	-30.00000	99.00000	0.0	0.0	0.0
			37.00000	-30.00000	99.00000	0.0	0.0	0.0
			38.00000	-30.00000	99.00000	0.0	0.0	0.0
			39.00000	-30.00000	99.00000	0.0	0.0	0.0
			40.00000	-30.00000	99.00000	0.0	0.0	0.0
			41.00000	-30.00000	99.00000	0.0	0.0	0.0
			42.00000	-30.00000	99.00000	0.0	0.0	0.0
			43.00000	-30.00000	99.00000	0.0	0.0	0.0
			44.00000	-30.00000	99.00000	0.0	0.0	0.0
			45.00000	-30.00000	99.00000	0.0	0.0	0.0
			46.00000	-30.00000	99.00000	0.0	0.0	0.0
			47.00000	-30.00000	99.00000	0.0	0.0	0.0
			48.00000	-30.00000	99.00000	0.0	0.0	0.0
			49.00000	-30.00000	99.00000	0.0	0.0	0.0
			50.00000	-30.00000	99.00000	0.0	0.0	0.0
			51.00000	-30.00000	99.00000	0.0	0.0	0.0
			52.00000	-30.00000	99.00000	0.0	0.0	0.0
			53.00000	-30.00000	99.00000	0.0	0.0	0.0
			54.00000	-30.00000	99.00000	0.0	0.0	0.0
			55.00000	-30.00000	99.00000	0.0	0.0	0.0
			56.00000	-30.00000	99.00000	0.0	0.0	0.0
			57.00000	-30.00000	99.00000	0.0	0.0	0.0
			58.00000	-30.00000	99.00000	0.0	0.0	0.0
			59.00000	-30.00000	99.00000	0.0	0.0	0.0
			60.00000	-30.00000	99.00000	0.0	0.0	0.0
			61.00000	-30.00000	99.00000	0.0	0.0	0.0
			62.00000	-30.00000	99.00000	0.0	0.0	0.0
			63.00000	-30.00000	99.00000	0.0	0.0	0.0
			64.00000	-30.00000	99.00000	0.0	0.0	0.0
			65.00000	-30.00000	99.00000	0.0	0.0	0.0
			-30.00000	-29.00000	99.00000	0.0	0.0	0.0
			-29.00000	-29.00000	99.00000	0.0	0.0	0.0
			-28.00000	-29.00000	99.00000	0.0	0.0	0.0
			-27.00000	-29.00000	99.00000	0.0	0.0	0.0
			-26.00000	-29.00000	99.00000	0.0	0.0	0.0
			-25.00000	-29.00000	99.00000	0.0	0.0	0.0
			-24.00000	-29.00000	99.00000	0.0	0.0	0.0



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Type/No.		Coordinates			Displacements		
Name	Dist. [m]	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
		-14.00000	-10.00000	99.00000	0.0	0.0	0.0
		-13.00000	-10.00000	99.00000	0.0	0.0	0.0
		-12.00000	-10.00000	99.00000	0.0	0.0	0.0
		-11.00000	-10.00000	99.00000	0.0	0.0	0.0
		-10.00000	-10.00000	99.00000	0.0	0.0	0.0
		-9.00000	-10.00000	99.00000	0.0	0.0	0.0
		-8.00000	-10.00000	99.00000	0.0	0.0	0.0
		-7.00000	-10.00000	99.00000	0.0	0.0	0.0
		-6.00000	-10.00000	99.00000	0.0	0.0	0.0
		-5.00000	-10.00000	99.00000	0.0	0.0	0.0
		-4.00000	-10.00000	99.00000	0.0	0.0	0.0
		-3.00000	-10.00000	99.00000	0.0	0.0	0.0
		-2.00000	-10.00000	99.00000	0.0	0.0	0.0
		-1.00000	-10.00000	99.00000	0.0	0.0	0.0
		0.00000	-10.00000	99.00000	0.0	0.0	0.0
		1.00000	-10.00000	99.00000	0.0	0.0	0.0
		2.00000	-10.00000	99.00000	0.0	0.0	0.0
		3.00000	-10.00000	99.00000	0.0	0.0	0.0
		4.00000	-10.00000	99.00000	0.0	0.0	0.0
		5.00000	-10.00000	99.00000	0.0	0.0	0.0
		6.00000	-10.00000	99.00000	0.0	0.0	0.0
		7.00000	-10.00000	99.00000	0.0	0.0	0.0
		8.00000	-10.00000	99.00000	0.0	0.0	0.0
		9.00000	-10.00000	99.00000	0.0	0.0	0.0
		10.00000	-10.00000	99.00000	0.0	0.0	0.0
		11.00000	-10.00000	99.00000	0.0	0.0	0.0
		12.00000	-10.00000	99.00000	0.0	0.0	0.0
		13.00000	-10.00000	99.00000	0.0	0.0	0.0
		14.00000	-10.00000	99.00000	0.0	0.0	0.0
		15.00000	-10.00000	99.00000	0.0	0.0	0.0
		16.00000	-10.00000	99.00000	0.0	0.0	0.0
		17.00000	-10.00000	99.00000	0.0	0.0	0.0
		18.00000	-10.00000	99.00000	0.0	0.0	0.0
		19.00000	-10.00000	99.00000	0.0	0.0	0.0
		20.00000	-10.00000	99.00000	0.0	0.0	0.0
		21.00000	-10.00000	99.00000	0.0	0.0	0.0
		22.00000	-10.00000	99.00000	0.0	0.0	0.0
		23.00000	-10.00000	99.00000	0.0	0.0	0.0
		24.00000	-10.00000	99.00000	0.0	0.0	0.0
		25.00000	-10.00000	99.00000	0.0	0.0	0.0
		26.00000	-10.00000	99.00000	0.0	0.0	0.0
		27.00000	-10.00000	99.00000	0.0	0.0	0.0
		28.00000	-10.00000	99.00000	0.0	0.0	0.0
		29.00000	-10.00000	99.00000	0.0	0.0	0.0
		30.00000	-10.00000	99.00000	0.0	0.0	0.0
		31.00000	-10.00000	99.00000	0.0	0.0	0.0
		32.00000	-10.00000	99.00000	0.0	0.0	0.0
		33.00000	-10.00000	99.00000	0.0	0.0	0.0
		34.00000	-10.00000	99.00000	0.0	0.0	0.0
		35.00000	-10.00000	99.00000	0.0	0.0	0.0
		36.00000	-10.00000	99.00000	0.0	0.0	0.0
		37.00000	-10.00000	99.00000	0.0	0.0	0.0
		38.00000	-10.00000	99.00000	0.0	0.0	0.0
		39.00000	-10.00000	99.00000	0.0	0.0	0.0
		40.00000	-10.00000	99.00000	0.0	0.0	0.0
		41.00000	-10.00000	99.00000	0.0	0.0	0.0
		42.00000	-10.00000	99.00000	0.0	0.0	0.0
		43.00000	-10.00000	99.00000	0.0	0.0	0.0
		44.00000	-10.00000	99.00000	0.0	0.0	0.0
		45.00000	-10.00000	99.00000	0.0	0.0	0.0
		46.00000	-10.00000	99.00000	0.0	0.0	0.0
		47.00000	-10.00000	99.00000	0.0	0.0	0.0
		48.00000	-10.00000	99.00000	0.0	0.0	0.0
		49.00000	-10.00000	99.00000	0.0	0.0	0.0
		50.00000	-10.00000	99.00000	0.0	0.0	0.0
		51.00000	-10.00000	99.00000	0.0	0.0	0.0
		52.00000	-10.00000	99.00000	0.0	0.0	0.0
		53.00000	-10.00000	99.00000	0.0	0.0	0.0
		54.00000	-10.00000	99.00000	0.0	0.0	0.0
		55.00000	-10.00000	99.00000	0.0	0.0	0.0
		56.00000	-10.00000	99.00000	0.0	0.0	0.0
		57.00000	-10.00000	99.00000	0.0	0.0	0.0
		58.00000	-10.00000	99.00000	0.0	0.0	0.0
		59.00000	-10.00000	99.00000	0.0	0.0	0.0
		60.00000	-10.00000	99.00000	0.0	0.0	0.0
		61.00000	-10.00000	99.00000	0.0	0.0	0.0
		62.00000	-10.00000	99.00000	0.0	0.0	0.0
		63.00000	-10.00000	99.00000	0.0	0.0	0.0
		64.00000	-10.00000	99.00000	0.0	0.0	0.0
		65.00000	-10.00000	99.00000	0.0	0.0	0.0
		-30.00000	-9.00000	99.00000	0.0	0.0	0.0
		-29.00000	-9.00000	99.00000	0.0	0.0	0.0
		-28.00000	-9.00000	99.00000	0.0	0.0	0.0
		-27.00000	-9.00000	99.00000	0.0	0.0	0.0
		-26.00000	-9.00000	99.00000	0.0	0.0	0.0
		-25.00000	-9.00000	99.00000	0.0	0.0	0.0
		-24.00000	-9.00000	99.00000	0.0	0.0	0.0
		-23.00000	-9.00000	99.00000	0.0	0.0	0.0
		-22.00000	-9.00000	99.00000	0.0	0.0	0.0
		-21.00000	-9.00000	99.00000	0.0	0.0	0.0
		-20.00000	-9.00000	99.00000	0.0	0.0	0.0
		-19.00000	-9.00000	99.00000	0.0	0.0	0.0
		-18.00000	-9.00000	99.00000	0.0	0.0	0.0
		-17.00000	-9.00000	99.00000	0.0	0.0	0.0
		-16.00000	-9.00000	99.00000	0.0	0.0	0.0
		-15.00000	-9.00000	99.00000	0.0	0.0	0.0
		-14.00000	-9.00000	99.00000	0.0	0.0	0.0
		-13.00000	-9.00000	99.00000	0.0	0.0	0.0
		-12.00000	-9.00000	99.00000	0.0	0.0	0.0
		-11.00000	-9.00000	99.00000	0.0	0.0	0.0
		-10.00000	-9.00000	99.00000	0.0	0.0	0.0
		-9.00000	-9.00000	99.00000	0.0	0.0	0.0
		-8.00000	-9.00000	99.00000	0.0	0.0	0.0
		-7.00000	-9.00000	99.00000	0.0	0.0	0.0
		-6.00000	-9.00000	99.00000	0.0	0.0	0.0
		-5.00000	-9.00000	99.00000	0.0	0.0	0.0
		-4.00000	-9.00000	99.00000	0.0	0.0	0.0
		-3.00000	-9.00000	99.00000	0.0	0.0	0.0
		-2.00000	-9.00000	99.00000	0.0	0.0	0.0
		-1.00000	-9.00000	99.00000	0.0	0.0	0.0
		0.00000	-9.00000	99.00000	0.0	0.0	0.0
		1.00000	-9.00000	99.00000	0.0	0.0	0.0
		2.00000	-9.00000	99.00000	0.0	0.0	0.0
		3.00000	-9.00000	99.00000	0.0	0.0	0.0
		4.00000	-9.00000	99.00000	0.0	0.0	0.0
		5.00000	-9.00000	99.00000	0.0	0.0	0.0
		6.00000	-9.00000	99.00000	0.0	0.0	0.0
		7.00000	-9.00000	99.00000	0.0	0.0	0.0
		8.00000	-9.00000	99.00000	0.0	0.0	0.0
		9.00000	-9.00000	99.00000	0.0	0.0	0.0
		10.00000	-9.00000	99.00000	0.0	0.0	0.0
		11.00000	-9.00000	99.00000	0.0	0.0	0.0
		12.00000	-9.00000	99.00000	0.0	0.0	0.0
		13.00000	-9.00000	99.00000	0.0	0.0	0.0
		14.00000	-9.00000	99.00000	0.0	0.0	0.0
		15.00000	-9.00000	99.00000	0.0	0.0	0.0
		16.00000	-9.00000	99.00000	0.0	0.0	0.0
		17.00000	-9.00000	99.00000	0.0	0.0	0.0
		18.00000	-9.00000	99.00000	0.0	0.0	0.0
		19.00000	-9.00000	99.00000	0.0	0.0	0.0
		20.00000	-9.00000	99.00000	0.0	0.0	0.0
		21.00000	-9.00000	99.00000	0.0	0.0	0.0
		22.00000	-9.00000	99.00000	0.0	0.0	0.0
		23.00000	-9.00000	99.00000	0.0	0.0	0.0
		24.00000	-9.00000	99.00000	0.0	0.0	0.0
		25.00000	-9.00000	99.00000	0.0	0.0	0.0
		26.00000	-9.00000	99.00000	0.0	0.0	0.0
		27.00000	-9.00000	99.00000	0.0	0.0	0.0
		28.00000	-9.00000	99.00000	0.0	0.0	0.0
		29.00000	-9.00000	99.00000	0.0	0.0	0.0
		30.00000	-9.00000	99.00000	0.0	0.0	0.0



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
	-20.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-19.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-18.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-17.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-16.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-15.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-14.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-13.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-12.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-11.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-10.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-9.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-8.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-7.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-6.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-5.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-4.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-3.00000	-7.00000	99.00000	0.0	0.0	0.044752	
	-2.00000	-7.00000	99.00000	0.0	0.0	0.087792	
	-1.00000	-7.00000	99.00000	0.0	0.0	0.118777	
	0.00000	-7.00000	99.00000	0.0	0.0	0.134000	
	1.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	2.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	3.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	4.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	5.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	6.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	7.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	8.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	9.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	10.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	11.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	12.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	13.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	14.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	15.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	16.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	17.00000	-7.00000	99.00000	0.0	0.0	0.234850	
	18.00000	-7.00000	99.00000	0.0	0.0	0.275040	
	19.00000	-7.00000	99.00000	0.0	0.0	0.310380	
	20.00000	-7.00000	99.00000	0.0	0.0	0.268000	
	21.00000	-7.00000	99.00000	0.0	0.0	0.310380	
	22.00000	-7.00000	99.00000	0.0	0.0	0.275040	
	23.00000	-7.00000	99.00000	0.0	0.0	0.234850	
	24.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	25.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	26.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	27.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	28.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	29.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	30.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	31.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	32.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	33.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	34.00000	-7.00000	99.00000	0.0	0.0	0.200000	
	35.00000	-7.00000	99.00000	0.0	0.0	0.134000	
	36.00000	-7.00000	99.00000	0.0	0.0	0.118777	
	37.00000	-7.00000	99.00000	0.0	0.0	0.087792	
	38.00000	-7.00000	99.00000	0.0	0.0	0.044752	
	39.00000	-7.00000	99.00000	0.0	0.0	0.0	
	40.00000	-7.00000	99.00000	0.0	0.0	0.0	
	41.00000	-7.00000	99.00000	0.0	0.0	0.0	
	42.00000	-7.00000	99.00000	0.0	0.0	0.0	
	43.00000	-7.00000	99.00000	0.0	0.0	0.0	
	44.00000	-7.00000	99.00000	0.0	0.0	0.0	
	45.00000	-7.00000	99.00000	0.0	0.0	0.0	
	46.00000	-7.00000	99.00000	0.0	0.0	0.0	
	47.00000	-7.00000	99.00000	0.0	0.0	0.0	
	48.00000	-7.00000	99.00000	0.0	0.0	0.0	
	49.00000	-7.00000	99.00000	0.0	0.0	0.0	
	50.00000	-7.00000	99.00000	0.0	0.0	0.0	
	51.00000	-7.00000	99.00000	0.0	0.0	0.0	
	52.00000	-7.00000	99.00000	0.0	0.0	0.0	
	53.00000	-7.00000	99.00000	0.0	0.0	0.0	
	54.00000	-7.00000	99.00000	0.0	0.0	0.0	
	55.00000	-7.00000	99.00000	0.0	0.0	0.0	
	56.00000	-7.00000	99.00000	0.0	0.0	0.0	
	57.00000	-7.00000	99.00000	0.0	0.0	0.0	
	58.00000	-7.00000	99.00000	0.0	0.0	0.0	
	59.00000	-7.00000	99.00000	0.0	0.0	0.0	
	60.00000	-7.00000	99.00000	0.0	0.0	0.0	
	61.00000	-7.00000	99.00000	0.0	0.0	0.0	
	62.00000	-7.00000	99.00000	0.0	0.0	0.0	
	63.00000	-7.00000	99.00000	0.0	0.0	0.0	
	64.00000	-7.00000	99.00000	0.0	0.0	0.0	
	65.00000	-7.00000	99.00000	0.0	0.0	0.0	
	-30.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-29.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-28.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-27.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-26.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-25.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-24.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-23.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-22.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-21.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-20.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-19.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-18.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-17.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-16.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-15.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-14.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-13.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-12.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-11.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-10.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-9.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-8.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-7.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-6.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-5.00000	-6.00000	99.00000	0.0	0.0	0.019720	
	-4.00000	-6.00000	99.00000	0.0	0.0	0.085631	
	-3.00000	-6.00000	99.00000	0.0	0.0	0.147170	
	-2.00000	-6.00000	99.00000	0.0	0.0	0.201170	
	-1.00000	-6.00000	99.00000	0.0	0.0	0.243200	
	0.00000	-6.00000	99.00000	0.0	637.41E-6	0.268000	
	1.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	2.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	3.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	4.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	5.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	6.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	7.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	8.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	9.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	10.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	11.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	12.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	13.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	14.00000	-6.00000	99.00000	0.0	951.35E-6	0.400000	
	15.00000	-6.00000	99.00000	0.0	951.35E-6	0.411330	
	16.00000	-6.00000	99.00000	0.0	951.35E-6	0.456100	
	17.00000	-6.00000	99.00000	0.0	951.35E-6	0.509040	
	18.00000	-6.00000	99.00000	0.0	951.35E-6	0.566880	
	19.00000	-6.00000	99.00000	0.0	951.35E-6	0.623050	
	20.00000	-6.00000	99.00000	0.0	0.0012748	0.536000	
	21.00000	-6.00000	99.00000	0.0	951.35E-6	0.623050	
	22.00000	-6.00000	99.00000	0.0	951.35E-6	0.566880	
	23.00000	-6.00000	99.00000	0.0	951.35E-6	0.509040	
	24.00000	-6.00000	99.00000	0.0	951.35E-6	0.456100	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/ Name	No. Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
	25.00000	-6.00000	99.00000	0.0	951.35E-6	0.41133	
	26.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	27.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	28.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	29.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	30.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	31.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	32.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	33.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	34.00000	-6.00000	99.00000	0.0	951.35E-6	0.40000	
	35.00000	-6.00000	99.00000	0.0	637.41E-6	0.26800	
	36.00000	-6.00000	99.00000	0.0	0.0	0.24320	
	37.00000	-6.00000	99.00000	0.0	0.0	0.20117	
	38.00000	-6.00000	99.00000	0.0	0.0	0.14717	
	39.00000	-6.00000	99.00000	0.0	0.0	0.085631	
	40.00000	-6.00000	99.00000	0.0	0.0	0.019720	
	41.00000	-6.00000	99.00000	0.0	0.0	0.0	
	42.00000	-6.00000	99.00000	0.0	0.0	0.0	
	43.00000	-6.00000	99.00000	0.0	0.0	0.0	
	44.00000	-6.00000	99.00000	0.0	0.0	0.0	
	45.00000	-6.00000	99.00000	0.0	0.0	0.0	
	46.00000	-6.00000	99.00000	0.0	0.0	0.0	
	47.00000	-6.00000	99.00000	0.0	0.0	0.0	
	48.00000	-6.00000	99.00000	0.0	0.0	0.0	
	49.00000	-6.00000	99.00000	0.0	0.0	0.0	
	50.00000	-6.00000	99.00000	0.0	0.0	0.0	
	51.00000	-6.00000	99.00000	0.0	0.0	0.0	
	52.00000	-6.00000	99.00000	0.0	0.0	0.0	
	53.00000	-6.00000	99.00000	0.0	0.0	0.0	
	54.00000	-6.00000	99.00000	0.0	0.0	0.0	
	55.00000	-6.00000	99.00000	0.0	0.0	0.0	
	56.00000	-6.00000	99.00000	0.0	0.0	0.0	
	57.00000	-6.00000	99.00000	0.0	0.0	0.0	
	58.00000	-6.00000	99.00000	0.0	0.0	0.0	
	59.00000	-6.00000	99.00000	0.0	0.0	0.0	
	60.00000	-6.00000	99.00000	0.0	0.0	0.0	
	61.00000	-6.00000	99.00000	0.0	0.0	0.0	
	62.00000	-6.00000	99.00000	0.0	0.0	0.0	
	63.00000	-6.00000	99.00000	0.0	0.0	0.0	
	64.00000	-6.00000	99.00000	0.0	0.0	0.0	
	65.00000	-6.00000	99.00000	0.0	0.0	0.0	
	-30.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-29.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-28.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-27.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-26.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-25.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-24.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-23.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-22.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-21.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-20.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-19.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-18.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-17.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-16.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-15.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-14.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-13.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-12.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-11.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-10.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-9.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-8.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-7.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-6.00000	-5.00000	99.00000	0.0	0.0	0.019720	
	-5.00000	-5.00000	99.00000	0.0	0.0	0.092893	
	-4.00000	-5.00000	99.00000	0.0	0.0	0.16734	
	-3.00000	-5.00000	99.00000	0.0087450	0.014575	0.23991	
	-2.00000	-5.00000	99.00000	0.023970	0.059925	0.30732	
	-1.00000	-5.00000	99.00000	0.019871	0.099353	0.36394	
	0.00000	-5.00000	99.00000	0.0	0.12038	0.40200	
	1.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	2.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	3.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	4.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	5.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	6.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	7.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	8.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	9.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	10.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	11.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	12.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	13.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	14.00000	-5.00000	99.00000	0.0	0.17967	0.60839	
	15.00000	-5.00000	99.00000	0.0	0.17967	0.64645	
	16.00000	-5.00000	99.00000	0.0	0.17967	0.69874	
	17.00000	-5.00000	99.00000	0.0060248	0.18971	0.76528	
	18.00000	-5.00000	99.00000	0.019029	0.22724	0.84397	
	19.00000	-5.00000	99.00000	0.017880	0.26907	0.92749	
	20.00000	-5.00000	99.00000	0.0	0.24075	0.80400	
	21.00000	-5.00000	99.00000	-0.017880	0.26907	0.92749	
	22.00000	-5.00000	99.00000	-0.019029	0.22724	0.84397	
	23.00000	-5.00000	99.00000	-0.0060248	0.18971	0.76528	
	24.00000	-5.00000	99.00000	0.0	0.17967	0.69874	
	25.00000	-5.00000	99.00000	0.0	0.17967	0.64645	
	26.00000	-5.00000	99.00000	0.0	0.17967	0.60839	
	27.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	28.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	29.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	30.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	31.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	32.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	33.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	34.00000	-5.00000	99.00000	0.0	0.17967	0.60000	
	35.00000	-5.00000	99.00000	0.0	0.12038	0.40200	
	36.00000	-5.00000	99.00000	-0.019871	0.099353	0.36394	
	37.00000	-5.00000	99.00000	-0.023970	0.059925	0.30732	
	38.00000	-5.00000	99.00000	-0.0087450	0.014575	0.23991	
	39.00000	-5.00000	99.00000	0.0	0.0	0.16734	
	40.00000	-5.00000	99.00000	0.0	0.0	0.092893	
	41.00000	-5.00000	99.00000	0.0	0.0	0.019720	
	42.00000	-5.00000	99.00000	0.0	0.0	0.0	
	43.00000	-5.00000	99.00000	0.0	0.0	0.0	
	44.00000	-5.00000	99.00000	0.0	0.0	0.0	
	45.00000	-5.00000	99.00000	0.0	0.0	0.0	
	46.00000	-5.00000	99.00000	0.0	0.0	0.0	
	47.00000	-5.00000	99.00000	0.0	0.0	0.0	
	48.00000	-5.00000	99.00000	0.0	0.0	0.0	
	49.00000	-5.00000	99.00000	0.0	0.0	0.0	
	50.00000	-5.00000	99.00000	0.0	0.0	0.0	
	51.00000	-5.00000	99.00000	0.0	0.0	0.0	
	52.00000	-5.00000	99.00000	0.0	0.0	0.0	
	53.00000	-5.00000	99.00000	0.0	0.0	0.0	
	54.00000	-5.00000	99.00000	0.0	0.0	0.0	
	55.00000	-5.00000	99.00000	0.0	0.0	0.0	
	56.00000	-5.00000	99.00000	0.0	0.0	0.0	
	57.00000	-5.00000	99.00000	0.0	0.0	0.0	
	58.00000	-5.00000	99.00000	0.0	0.0	0.0	
	59.00000	-5.00000	99.00000	0.0	0.0	0.0	
	60.00000	-5.00000	99.00000	0.0	0.0	0.0	
	61.00000	-5.00000	99.00000	0.0	0.0	0.0	
	62.00000	-5.00000	99.00000	0.0	0.0	0.0	
	63.00000	-5.00000	99.00000	0.0	0.0	0.0	
	64.00000	-5.00000	99.00000	0.0	0.0	0.0	
	65.00000	-5.00000	99.00000	0.0	0.0	0.0	
	-30.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-29.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-28.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-27.00000	-4.00000	99.00000	0.0	0.0	0.0	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
	-26.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-25.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-24.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-23.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-22.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-21.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-20.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-19.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-18.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-17.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-16.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-15.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-14.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-13.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-12.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-11.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-10.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-9.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-8.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-7.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-6.00000	-4.00000	99.00000	0.0	0.0	0.085631	
	-5.00000	-4.00000	99.00000	0.0	0.0	0.16734	
	-4.00000	-4.00000	99.00000	0.021739	0.021739	0.23431	
	-3.00000	-4.00000	99.00000	0.057211	0.076282	0.31843	
	-2.00000	-4.00000	99.00000	0.071171	0.14234	0.40192	
	-1.00000	-4.00000	99.00000	0.052203	0.20881	0.47839	
	0.00000	-4.00000	99.00000	0.0	0.25071	0.53600	
	1.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	2.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	3.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	4.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	5.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	6.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	7.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	8.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	9.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	10.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	11.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	12.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	13.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	14.00000	-4.00000	99.00000	0.0	0.37420	0.82953	
	15.00000	-4.00000	99.00000	0.0	0.37420	0.86859	
	16.00000	-4.00000	99.00000	0.010869	0.38507	0.91716	
	17.00000	-4.00000	99.00000	0.035130	0.42104	0.99553	
	18.00000	-4.00000	99.00000	0.052732	0.47966	1.0979	
	19.00000	-4.00000	99.00000	0.045605	0.55662	1.2179	
	20.00000	-4.00000	99.00000	0.0	0.50143	1.0720	
	21.00000	-4.00000	99.00000	-0.045605	0.55662	1.2179	
	22.00000	-4.00000	99.00000	-0.052732	0.47966	1.0979	
	23.00000	-4.00000	99.00000	-0.035130	0.42104	0.99553	
	24.00000	-4.00000	99.00000	-0.010869	0.38507	0.91716	
	25.00000	-4.00000	99.00000	0.0	0.37420	0.86859	
	26.00000	-4.00000	99.00000	0.0	0.37420	0.82953	
	27.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	28.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	29.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	30.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	31.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	32.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	33.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	34.00000	-4.00000	99.00000	0.0	0.37420	0.80000	
	35.00000	-4.00000	99.00000	0.0	0.25071	0.53600	
	36.00000	-4.00000	99.00000	-0.052203	0.20881	0.47839	
	37.00000	-4.00000	99.00000	-0.071171	0.14234	0.40192	
	38.00000	-4.00000	99.00000	-0.057211	0.076282	0.31843	
	39.00000	-4.00000	99.00000	-0.021739	0.021739	0.23431	
	40.00000	-4.00000	99.00000	0.0	0.0	0.16734	
	41.00000	-4.00000	99.00000	0.0	0.0	0.085631	
	42.00000	-4.00000	99.00000	0.0	0.0	0.0	
	43.00000	-4.00000	99.00000	0.0	0.0	0.0	
	44.00000	-4.00000	99.00000	0.0	0.0	0.0	
	45.00000	-4.00000	99.00000	0.0	0.0	0.0	
	46.00000	-4.00000	99.00000	0.0	0.0	0.0	
	47.00000	-4.00000	99.00000	0.0	0.0	0.0	
	48.00000	-4.00000	99.00000	0.0	0.0	0.0	
	49.00000	-4.00000	99.00000	0.0	0.0	0.0	
	50.00000	-4.00000	99.00000	0.0	0.0	0.0	
	51.00000	-4.00000	99.00000	0.0	0.0	0.0	
	52.00000	-4.00000	99.00000	0.0	0.0	0.0	
	53.00000	-4.00000	99.00000	0.0	0.0	0.0	
	54.00000	-4.00000	99.00000	0.0	0.0	0.0	
	55.00000	-4.00000	99.00000	0.0	0.0	0.0	
	56.00000	-4.00000	99.00000	0.0	0.0	0.0	
	57.00000	-4.00000	99.00000	0.0	0.0	0.0	
	58.00000	-4.00000	99.00000	0.0	0.0	0.0	
	59.00000	-4.00000	99.00000	0.0	0.0	0.0	
	60.00000	-4.00000	99.00000	0.0	0.0	0.0	
	61.00000	-4.00000	99.00000	0.0	0.0	0.0	
	62.00000	-4.00000	99.00000	0.0	0.0	0.0	
	63.00000	-4.00000	99.00000	0.0	0.0	0.0	
	64.00000	-4.00000	99.00000	0.0	0.0	0.0	
	65.00000	-4.00000	99.00000	0.0	0.0	0.0	
	-30.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-29.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-28.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-27.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-26.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-25.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-24.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-23.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-22.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-21.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-20.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-19.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-18.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-17.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-16.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-15.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-14.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-13.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-12.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-11.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-10.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-9.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-8.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-7.00000	-3.00000	99.00000	0.0	0.0	0.044752	
	-6.00000	-3.00000	99.00000	0.0	0.0	0.14717	
	-5.00000	-3.00000	99.00000	0.014575	0.0087450	0.23991	
	-4.00000	-3.00000	99.00000	0.076282	0.057211	0.31843	
	-3.00000	-3.00000	99.00000	0.11479	0.11479	0.37574	
	-2.00000	-3.00000	99.00000	0.13812	0.20717	0.47700	
	-1.00000	-3.00000	99.00000	0.10649	0.31948	0.58087	
	0.00000	-3.00000	99.00000	0.0	0.40232	0.67000	
	1.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	2.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	3.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	4.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	5.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	6.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	7.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	8.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	9.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	10.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	11.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	12.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	13.00000	-3.00000	99.00000	0.0	0.60048	1.0099	
	14.00000	-3.00000	99.00000	0.0	0.60048	1.0381	
	15.00000	-3.00000	99.00000	0.0045336	0.60320	1.0746	
	16.00000	-3.00000	99.00000	0.029441	0.62256	1.1229	
	17.00000	-3.00000	99.00000	0.057397	0.65788	1.1879	
	18.00000	-3.00000	99.00000	0.090485	0.73621	1.3125	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/ Name	No. Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
	19.00000	-3.00000	99.00000	0.088327	0.86547	1.4818	
	20.00000	-3.00000	99.00000	0.0	0.80465	1.3400	
	21.00000	-3.00000	99.00000	-0.088327	0.86547	1.4818	
	22.00000	-3.00000	99.00000	-0.090485	0.73621	1.3125	
	23.00000	-3.00000	99.00000	-0.057397	0.65788	1.1879	
	24.00000	-3.00000	99.00000	-0.029441	0.62256	1.1229	
	25.00000	-3.00000	99.00000	-0.0045336	0.60320	1.0746	
	26.00000	-3.00000	99.00000	0.0	0.60048	1.0381	
	27.00000	-3.00000	99.00000	0.0	0.60048	1.0099	
	28.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	29.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	30.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	31.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	32.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	33.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	34.00000	-3.00000	99.00000	0.0	0.60048	1.0000	
	35.00000	-3.00000	99.00000	0.0	0.40232	0.67000	
	36.00000	-3.00000	99.00000	-0.10649	0.31948	0.58087	
	37.00000	-3.00000	99.00000	-0.13812	0.20717	0.47700	
	38.00000	-3.00000	99.00000	-0.11479	0.11479	0.37574	
	39.00000	-3.00000	99.00000	-0.076282	0.057211	0.31843	
	40.00000	-3.00000	99.00000	-0.014575	0.0087450	0.23991	
	41.00000	-3.00000	99.00000	0.0	0.0	0.14717	
	42.00000	-3.00000	99.00000	0.0	0.0	0.044752	
	43.00000	-3.00000	99.00000	0.0	0.0	0.0	
	44.00000	-3.00000	99.00000	0.0	0.0	0.0	
	45.00000	-3.00000	99.00000	0.0	0.0	0.0	
	46.00000	-3.00000	99.00000	0.0	0.0	0.0	
	47.00000	-3.00000	99.00000	0.0	0.0	0.0	
	48.00000	-3.00000	99.00000	0.0	0.0	0.0	
	49.00000	-3.00000	99.00000	0.0	0.0	0.0	
	50.00000	-3.00000	99.00000	0.0	0.0	0.0	
	51.00000	-3.00000	99.00000	0.0	0.0	0.0	
	52.00000	-3.00000	99.00000	0.0	0.0	0.0	
	53.00000	-3.00000	99.00000	0.0	0.0	0.0	
	54.00000	-3.00000	99.00000	0.0	0.0	0.0	
	55.00000	-3.00000	99.00000	0.0	0.0	0.0	
	56.00000	-3.00000	99.00000	0.0	0.0	0.0	
	57.00000	-3.00000	99.00000	0.0	0.0	0.0	
	58.00000	-3.00000	99.00000	0.0	0.0	0.0	
	59.00000	-3.00000	99.00000	0.0	0.0	0.0	
	60.00000	-3.00000	99.00000	0.0	0.0	0.0	
	61.00000	-3.00000	99.00000	0.0	0.0	0.0	
	62.00000	-3.00000	99.00000	0.0	0.0	0.0	
	63.00000	-3.00000	99.00000	0.0	0.0	0.0	
	-30.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-29.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-28.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-27.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-26.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-25.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-24.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-23.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-22.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-21.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-20.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-19.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-18.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-17.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-16.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-15.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-14.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-13.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-12.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-11.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-10.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-9.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-8.00000	-2.00000	99.00000	0.0	0.0	0.0	
	-7.00000	-2.00000	99.00000	0.0	0.0	0.087792	
	-6.00000	-2.00000	99.00000	0.0	0.0	0.20117	
	-5.00000	-2.00000	99.00000	0.059925	0.023970	0.30732	
	-4.00000	-2.00000	99.00000	0.14234	0.071171	0.40192	
	-3.00000	-2.00000	99.00000	0.20717	0.13812	0.47700	
	-2.00000	-2.00000	99.00000	0.22757	0.22757	0.51716	
	-1.00000	-2.00000	99.00000	0.20498	0.40996	0.65668	
	0.00000	-2.00000	99.00000	0.0	0.58588	0.80400	
	1.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	2.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	3.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	4.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	5.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	6.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	7.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	8.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	9.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	10.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	11.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	12.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	13.00000	-2.00000	99.00000	0.0	0.87445	1.2128	
	14.00000	-2.00000	99.00000	0.0	0.87445	1.2343	
	15.00000	-2.00000	99.00000	0.012351	0.87939	1.2633	
	16.00000	-2.00000	99.00000	0.036878	0.89289	1.3041	
	17.00000	-2.00000	99.00000	0.071447	0.92208	1.3645	
	18.00000	-2.00000	99.00000	0.11378	0.98823	1.4586	
	19.00000	-2.00000	99.00000	0.15187	1.1782	1.6865	
	20.00000	-2.00000	99.00000	0.0	1.1718	1.6080	
	21.00000	-2.00000	99.00000	-0.15187	1.1782	1.6865	
	22.00000	-2.00000	99.00000	-0.11378	0.98823	1.4586	
	23.00000	-2.00000	99.00000	-0.071447	0.92208	1.3645	
	24.00000	-2.00000	99.00000	-0.036878	0.89289	1.3041	
	25.00000	-2.00000	99.00000	-0.012351	0.87939	1.2633	
	26.00000	-2.00000	99.00000	0.0	0.87445	1.2343	
	27.00000	-2.00000	99.00000	0.0	0.87445	1.2128	
	28.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	29.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	30.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	31.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	32.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	33.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	34.00000	-2.00000	99.00000	0.0	0.87445	1.2000	
	35.00000	-2.00000	99.00000	0.0	0.58588	0.80400	
	36.00000	-2.00000	99.00000	-0.20498	0.40996	0.65668	
	37.00000	-2.00000	99.00000	-0.22757	0.22757	0.51716	
	38.00000	-2.00000	99.00000	-0.20717	0.13812	0.47700	
	39.00000	-2.00000	99.00000	-0.14234	0.071171	0.40192	
	40.00000	-2.00000	99.00000	-0.059925	0.023970	0.30732	
	41.00000	-2.00000	99.00000	0.0	0.0	0.20117	
	42.00000	-2.00000	99.00000	0.0	0.0	0.087792	
	43.00000	-2.00000	99.00000	0.0	0.0	0.0	
	44.00000	-2.00000	99.00000	0.0	0.0	0.0	
	45.00000	-2.00000	99.00000	0.0	0.0	0.0	
	46.00000	-2.00000	99.00000	0.0	0.0	0.0	
	47.00000	-2.00000	99.00000	0.0	0.0	0.0	
	48.00000	-2.00000	99.00000	0.0	0.0	0.0	
	49.00000	-2.00000	99.00000	0.0	0.0	0.0	
	50.00000	-2.00000	99.00000	0.0	0.0	0.0	
	51.00000	-2.00000	99.00000	0.0	0.0	0.0	
	52.00000	-2.00000	99.00000	0.0	0.0	0.0	
	53.00000	-2.00000	99.00000	0.0	0.0	0.0	
	54.00000	-2.00000	99.00000	0.0	0.0	0.0	
	55.00000	-2.00000	99.00000	0.0	0.0	0.0	
	56.00000	-2.00000	99.00000	0.0	0.0	0.0	
	57.00000	-2.00000	99.00000	0.0	0.0	0.0	
	58.00000	-2.00000	99.00000	0.0	0.0	0.0	
	59.00000	-2.00000	99.00000	0.0	0.0	0.0	
	60.00000	-2.00000	99.00000	0.0	0.0	0.0	
	61.00000	-2.00000	99.00000	0.0	0.0	0.0	
	62.00000	-2.00000	99.00000	0.0	0.0	0.0	
	63.00000	-2.00000	99.00000	0.0	0.0	0.0	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No. Sheet No. Rev.

J14267A

Drg. Ref.

Made by MP

Date 02-Jul-2015

Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
64.00000	-2.00000	99.00000	0.0	0.0	0.0		
65.00000	-2.00000	99.00000	0.0	0.0	0.0		
-30.00000	-1.00000	99.00000	0.0	0.0	0.0		
-29.00000	-1.00000	99.00000	0.0	0.0	0.0		
-28.00000	-1.00000	99.00000	0.0	0.0	0.0		
-27.00000	-1.00000	99.00000	0.0	0.0	0.0		
-26.00000	-1.00000	99.00000	0.0	0.0	0.0		
-25.00000	-1.00000	99.00000	0.0	0.0	0.0		
-24.00000	-1.00000	99.00000	0.0	0.0	0.0		
-23.00000	-1.00000	99.00000	0.0	0.0	0.0		
-22.00000	-1.00000	99.00000	0.0	0.0	0.0		
-21.00000	-1.00000	99.00000	0.0	0.0	0.0		
-20.00000	-1.00000	99.00000	0.0	0.0	0.0		
-19.00000	-1.00000	99.00000	0.0	0.0	0.0		
-18.00000	-1.00000	99.00000	0.0	0.0	0.0		
-17.00000	-1.00000	99.00000	0.0	0.0	0.0		
-16.00000	-1.00000	99.00000	0.0	0.0	0.0		
-15.00000	-1.00000	99.00000	0.0	0.0	0.0		
-14.00000	-1.00000	99.00000	0.0	0.0	0.0		
-13.00000	-1.00000	99.00000	0.0	0.0	0.0		
-12.00000	-1.00000	99.00000	0.0	0.0	0.0		
-11.00000	-1.00000	99.00000	0.0	0.0	0.0		
-10.00000	-1.00000	99.00000	0.0	0.0	0.0		
-9.00000	-1.00000	99.00000	0.0	0.0	0.0		
-8.00000	-1.00000	99.00000	0.0	0.0	0.0		
-7.00000	-1.00000	99.00000	0.0	0.0	0.11877		
-6.00000	-1.00000	99.00000	0.0	0.0	0.24320		
-5.00000	-1.00000	99.00000	0.099353	0.019871	0.36394		
-4.00000	-1.00000	99.00000	0.20881	0.052203	0.47839		
-3.00000	-1.00000	99.00000	0.31948	0.10649	0.58087		
-2.00000	-1.00000	99.00000	0.40996	0.20498	0.65668		
-1.00000	-1.00000	99.00000	0.37599	0.37599	0.65858		
0.00000	-1.00000	99.00000	0.0	0.81206	0.93800		
1.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
2.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
3.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
4.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
5.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
6.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
7.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
8.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
9.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
10.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
11.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
12.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
13.00000	-1.00000	99.00000	0.0	1.2120	1.4084		
14.00000	-1.00000	99.00000	0.0	1.2120	1.4202		
15.00000	-1.00000	99.00000	0.0099521	1.2140	1.4365		
16.00000	-1.00000	99.00000	0.026392	1.2186	1.4605		
17.00000	-1.00000	99.00000	0.054501	1.2302	1.4991		
18.00000	-1.00000	99.00000	0.10621	1.2651	1.5701		
19.00000	-1.00000	99.00000	0.18799	1.4000	1.7293		
20.00000	-1.00000	99.00000	0.0	1.6241	1.8760		
21.00000	-1.00000	99.00000	-0.18799	1.4000	1.7293		
22.00000	-1.00000	99.00000	-0.10621	1.2651	1.5701		
23.00000	-1.00000	99.00000	-0.054501	1.2302	1.4991		
24.00000	-1.00000	99.00000	-0.026392	1.2186	1.4605		
25.00000	-1.00000	99.00000	-0.0099521	1.2140	1.4365		
26.00000	-1.00000	99.00000	0.0	1.2120	1.4202		
27.00000	-1.00000	99.00000	0.0	1.2120	1.4084		
28.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
29.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
30.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
31.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
32.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
33.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
34.00000	-1.00000	99.00000	0.0	1.2120	1.4000		
35.00000	-1.00000	99.00000	0.0	0.81206	0.93800		
36.00000	-1.00000	99.00000	-0.37599	0.37599	0.65858		
37.00000	-1.00000	99.00000	-0.40996	0.20498	0.65668		
38.00000	-1.00000	99.00000	-0.31948	0.10649	0.58087		
39.00000	-1.00000	99.00000	-0.20881	0.052203	0.47839		
40.00000	-1.00000	99.00000	-0.099353	0.019871	0.36394		
41.00000	-1.00000	99.00000	0.0	0.0	0.24320		
42.00000	-1.00000	99.00000	0.0	0.0	0.11877		
43.00000	-1.00000	99.00000	0.0	0.0	0.0		
44.00000	-1.00000	99.00000	0.0	0.0	0.0		
45.00000	-1.00000	99.00000	0.0	0.0	0.0		
46.00000	-1.00000	99.00000	0.0	0.0	0.0		
47.00000	-1.00000	99.00000	0.0	0.0	0.0		
48.00000	-1.00000	99.00000	0.0	0.0	0.0		
49.00000	-1.00000	99.00000	0.0	0.0	0.0		
50.00000	-1.00000	99.00000	0.0	0.0	0.0		
51.00000	-1.00000	99.00000	0.0	0.0	0.0		
52.00000	-1.00000	99.00000	0.0	0.0	0.0		
53.00000	-1.00000	99.00000	0.0	0.0	0.0		
54.00000	-1.00000	99.00000	0.0	0.0	0.0		
55.00000	-1.00000	99.00000	0.0	0.0	0.0		
56.00000	-1.00000	99.00000	0.0	0.0	0.0		
57.00000	-1.00000	99.00000	0.0	0.0	0.0		
58.00000	-1.00000	99.00000	0.0	0.0	0.0		
59.00000	-1.00000	99.00000	0.0	0.0	0.0		
60.00000	-1.00000	99.00000	0.0	0.0	0.0		
61.00000	-1.00000	99.00000	0.0	0.0	0.0		
62.00000	-1.00000	99.00000	0.0	0.0	0.0		
63.00000	-1.00000	99.00000	0.0	0.0	0.0		
64.00000	-1.00000	99.00000	0.0	0.0	0.0		
65.00000	-1.00000	99.00000	0.0	0.0	0.0		
-30.00000	0.00000	99.00000	0.0	0.0	0.0		
-29.00000	0.00000	99.00000	0.0	0.0	0.0		
-28.00000	0.00000	99.00000	0.0	0.0	0.0		
-27.00000	0.00000	99.00000	0.0	0.0	0.0		
-26.00000	0.00000	99.00000	0.0	0.0	0.0		
-25.00000	0.00000	99.00000	0.0	0.0	0.0		
-24.00000	0.00000	99.00000	0.0	0.0	0.0		
-23.00000	0.00000	99.00000	0.0	0.0	0.0		
-22.00000	0.00000	99.00000	0.0	0.0	0.0		
-21.00000	0.00000	99.00000	0.0	0.0	0.0		
-20.00000	0.00000	99.00000	0.0	0.0	0.0		
-19.00000	0.00000	99.00000	0.0	0.0	0.0		
-18.00000	0.00000	99.00000	0.0	0.0	0.0		
-17.00000	0.00000	99.00000	0.0	0.0	0.0		
-16.00000	0.00000	99.00000	0.0	0.0	0.0		
-15.00000	0.00000	99.00000	0.0	0.0	0.0		
-14.00000	0.00000	99.00000	0.0	0.0	0.0		
-13.00000	0.00000	99.00000	0.0	0.0	0.0		
-12.00000	0.00000	99.00000	0.0	0.0	0.0		
-11.00000	0.00000	99.00000	0.0	0.0	0.0		
-10.00000	0.00000	99.00000	0.0	0.0	0.0		
-9.00000	0.00000	99.00000	0.0	0.0	0.0		
-8.00000	0.00000	99.00000	0.0	0.0	0.0		
-7.00000	0.00000	99.00000	0.0	0.0	0.13400		
-6.00000	0.00000	99.00000	637.41E-6	0.0	0.26800		
-5.00000	0.00000	99.00000	0.12038	0.0	0.40200		
-4.00000	0.00000	99.00000	0.25071	0.0	0.53600		
-3.00000	0.00000	99.00000	0.40232	0.0	0.67000		
-2.00000	0.00000	99.00000	0.58588	0.0	0.80400		
-1.00000	0.00000	99.00000	0.81206	0.0	0.93800		
0.00000	0.00000	99.00000	0.0	1.0915	1.0720		
1.00000	0.00000	99.00000	0.0	1.6292	1.6000		
2.00000	0.00000	99.00000	0.0	1.6292	1.6000		
3.00000	0.00000	99.00000	0.0	1.6292	1.6000		
4.00000	0.00000	99.00000	0.0	1.6292	1.6000		
5.00000	0.00000	99.00000	0.0	1.6292	1.6000		
6.00000	0.00000	99.00000	0.0	1.6292	1.6000		
7.00000	0.00000	99.00000	0.0	1.6292	1.6000		
8.00000	0.00000	99.00000	0.0	1.6292	1.6000		
9.00000	0.00000	99.00000	0.0	1.6292	1.6000		
10.00000	0.00000	99.00000	0.0	1.6292	1.6000		
11.00000	0.00000	99.00000	0.0	1.6292	1.6000		
12.00000	0.00000	99.00000	0.0	1.6292	1.6000		



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No.		Coordinates			Displacements			
Name	Dist. [m]	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]	
	13.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	14.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	15.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	16.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	17.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	18.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	19.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	20.00000	0.00000	99.00000		0.0	1.0915	1.0720	
	21.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	22.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	23.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	24.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	25.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	26.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	27.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	28.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	29.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	30.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	31.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	32.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	33.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	34.00000	0.00000	99.00000		0.0	1.6292	1.6000	
	35.00000	0.00000	99.00000		-1.0915	0.0	1.0720	
	36.00000	0.00000	99.00000		-0.81206	0.0	0.93800	
	37.00000	0.00000	99.00000		-0.58598	0.0	0.80400	
	38.00000	0.00000	99.00000		-0.40232	0.0	0.67000	
	39.00000	0.00000	99.00000		-0.25071	0.0	0.53600	
	40.00000	0.00000	99.00000		-0.12038	0.0	0.40200	
	41.00000	0.00000	99.00000		-637.41E-6	0.0	0.26800	
	42.00000	0.00000	99.00000		0.0	0.0	0.13400	
	43.00000	0.00000	99.00000		0.0	0.0	0.0	
	44.00000	0.00000	99.00000		0.0	0.0	0.0	
	45.00000	0.00000	99.00000		0.0	0.0	0.0	
	46.00000	0.00000	99.00000		0.0	0.0	0.0	
	47.00000	0.00000	99.00000		0.0	0.0	0.0	
	48.00000	0.00000	99.00000		0.0	0.0	0.0	
	49.00000	0.00000	99.00000		0.0	0.0	0.0	
	50.00000	0.00000	99.00000		0.0	0.0	0.0	
	51.00000	0.00000	99.00000		0.0	0.0	0.0	
	52.00000	0.00000	99.00000		0.0	0.0	0.0	
	53.00000	0.00000	99.00000		0.0	0.0	0.0	
	54.00000	0.00000	99.00000		0.0	0.0	0.0	
	55.00000	0.00000	99.00000		0.0	0.0	0.0	
	56.00000	0.00000	99.00000		0.0	0.0	0.0	
	57.00000	0.00000	99.00000		0.0	0.0	0.0	
	58.00000	0.00000	99.00000		0.0	0.0	0.0	
	59.00000	0.00000	99.00000		0.0	0.0	0.0	
	60.00000	0.00000	99.00000		0.0	0.0	0.0	
	61.00000	0.00000	99.00000		0.0	0.0	0.0	
	62.00000	0.00000	99.00000		0.0	0.0	0.0	
	63.00000	0.00000	99.00000		0.0	0.0	0.0	
	64.00000	0.00000	99.00000		0.0	0.0	0.0	
	65.00000	0.00000	99.00000		0.0	0.0	0.0	
	-30.00000	1.00000	99.00000		0.0	0.0	0.0	
	-29.00000	1.00000	99.00000		0.0	0.0	0.0	
	-28.00000	1.00000	99.00000		0.0	0.0	0.0	
	-27.00000	1.00000	99.00000		0.0	0.0	0.0	
	-26.00000	1.00000	99.00000		0.0	0.0	0.0	
	-25.00000	1.00000	99.00000		0.0	0.0	0.0	
	-24.00000	1.00000	99.00000		0.0	0.0	0.0	
	-23.00000	1.00000	99.00000		0.0	0.0	0.0	
	-22.00000	1.00000	99.00000		0.0	0.0	0.0	
	-21.00000	1.00000	99.00000		0.0	0.0	0.0	
	-20.00000	1.00000	99.00000		0.0	0.0	0.0	
	-19.00000	1.00000	99.00000		0.0	0.0	0.0	
	-18.00000	1.00000	99.00000		0.0	0.0	0.0	
	-17.00000	1.00000	99.00000		0.0	0.0	0.0	
	-16.00000	1.00000	99.00000		0.0	0.0	0.0	
	-15.00000	1.00000	99.00000		0.0	0.0	0.0	
	-14.00000	1.00000	99.00000		0.0	0.0	0.0	
	-13.00000	1.00000	99.00000		0.0	0.0	0.0	
	-12.00000	1.00000	99.00000		0.0	0.0	0.0	
	-11.00000	1.00000	99.00000		0.0	0.0	0.0	
	-10.00000	1.00000	99.00000		0.0	0.0	0.0	
	-9.00000	1.00000	99.00000		0.0	0.0	0.0	
	-8.00000	1.00000	99.00000		0.0	0.0	0.0	
	-7.00000	1.00000	99.00000		0.0	0.0	0.20000	
	-6.00000	1.00000	99.00000		951.35E-6	0.0	0.40000	
	-5.00000	1.00000	99.00000		0.17967	0.0	0.60000	
	-4.00000	1.00000	99.00000		0.37420	0.0	0.80000	
	-3.00000	1.00000	99.00000		0.60048	0.0	1.0000	
	-2.00000	1.00000	99.00000		0.87445	0.0	1.2000	
	-1.00000	1.00000	99.00000		1.2120	0.0	1.4000	
	0.00000	1.00000	99.00000		1.6292	0.0	1.6000	
	1.00000	1.00000	99.00000					Point lies within an excavation.
	2.00000	1.00000	99.00000					Point lies within an excavation.
	3.00000	1.00000	99.00000					Point lies within an excavation.
	4.00000	1.00000	99.00000					Point lies within an excavation.
	5.00000	1.00000	99.00000					Point lies within an excavation.
	6.00000	1.00000	99.00000					Point lies within an excavation.
	7.00000	1.00000	99.00000					Point lies within an excavation.
	8.00000	1.00000	99.00000					Point lies within an excavation.
	9.00000	1.00000	99.00000					Point lies within an excavation.
	10.00000	1.00000	99.00000					Point lies within an excavation.
	11.00000	1.00000	99.00000					Point lies within an excavation.
	12.00000	1.00000	99.00000					Point lies within an excavation.
	13.00000	1.00000	99.00000					Point lies within an excavation.
	14.00000	1.00000	99.00000					Point lies within an excavation.
	15.00000	1.00000	99.00000					Point lies within an excavation.
	16.00000	1.00000	99.00000					Point lies within an excavation.
	17.00000	1.00000	99.00000					Point lies within an excavation.
	18.00000	1.00000	99.00000					Point lies within an excavation.
	19.00000	1.00000	99.00000					Point lies within an excavation.
	20.00000	1.00000	99.00000		0.0	0.0	0.0	
	21.00000	1.00000	99.00000					Point lies within an excavation.
	22.00000	1.00000	99.00000					Point lies within an excavation.
	23.00000	1.00000	99.00000					Point lies within an excavation.
	24.00000	1.00000	99.00000					Point lies within an excavation.
	25.00000	1.00000	99.00000					Point lies within an excavation.
	26.00000	1.00000	99.00000					Point lies within an excavation.
	27.00000	1.00000	99.00000					Point lies within an excavation.
	28.00000	1.00000	99.00000					Point lies within an excavation.
	29.00000	1.00000	99.00000					Point lies within an excavation.
	30.00000	1.00000	99.00000					Point lies within an excavation.
	31.00000	1.00000	99.00000					Point lies within an excavation.
	32.00000	1.00000	99.00000					Point lies within an excavation.
	33.00000	1.00000	99.00000					Point lies within an excavation.
	34.00000	1.00000	99.00000					Point lies within an excavation.
	35.00000	1.00000	99.00000		-1.6292	0.0	1.6000	
	36.00000	1.00000	99.00000		-1.2120	0.0	1.4000	
	37.00000	1.00000	99.00000		-0.87445	0.0	1.2000	
	38.00000	1.00000	99.00000		-0.60048	0.0	1.0000	
	39.00000	1.00000	99.00000		-0.37420	0.0	0.80000	
	40.00000	1.00000	99.00000		-0.17967	0.0	0.60000	
	41.00000	1.00000	99.00000		-951.35E-6	0.0	0.40000	
	42.00000	1.00000	99.00000		0.0	0.0	0.20000	
	43.00000	1.00000	99.00000		0.0	0.0	0.0	
	44.00000	1.00000	99.00000		0.0	0.0	0.0	
	45.00000	1.00000	99.00000		0.0	0.0	0.0	
	46.00000	1.00000	99.00000		0.0	0.0	0.0	
	47.00000	1.00000	99.00000		0.0	0.0	0.0	
	48.00000	1.00000	99.00000		0.0	0.0	0.0	
	49.00000	1.00000	99.00000		0.0	0.0	0.0	
	50.00000	1.00000	99.00000		0.0	0.0	0.0	
	51.00000	1.00000	99.00000		0.0	0.0	0.0	
	52.00000	1.00000	99.00000		0.0	0.0	0.0	
	53.00000	1.00000	99.00000		0.0	0.0	0.0	
	54.00000	1.00000	99.00000		0.0	0.0	0.0	
	55.00000	1.00000	99.00000		0.0	0.0	0.0	
	56.00000	1.00000	99.00000		0.0	0.0	0.0	
	57.00000	1.00000	99.00000		0.0	0.0	0.0	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements			
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]	
58.00000	1.00000	99.00000	0.0	0.0	0.0			
59.00000	1.00000	99.00000	0.0	0.0	0.0			
60.00000	1.00000	99.00000	0.0	0.0	0.0			
61.00000	1.00000	99.00000	0.0	0.0	0.0			
62.00000	1.00000	99.00000	0.0	0.0	0.0			
63.00000	1.00000	99.00000	0.0	0.0	0.0			
64.00000	1.00000	99.00000	0.0	0.0	0.0			
65.00000	1.00000	99.00000	0.0	0.0	0.0			
-30.00000	2.00000	99.00000	0.0	0.0	0.0			
-29.00000	2.00000	99.00000	0.0	0.0	0.0			
-28.00000	2.00000	99.00000	0.0	0.0	0.0			
-27.00000	2.00000	99.00000	0.0	0.0	0.0			
-26.00000	2.00000	99.00000	0.0	0.0	0.0			
-25.00000	2.00000	99.00000	0.0	0.0	0.0			
-24.00000	2.00000	99.00000	0.0	0.0	0.0			
-23.00000	2.00000	99.00000	0.0	0.0	0.0			
-22.00000	2.00000	99.00000	0.0	0.0	0.0			
-21.00000	2.00000	99.00000	0.0	0.0	0.0			
-20.00000	2.00000	99.00000	0.0	0.0	0.0			
-19.00000	2.00000	99.00000	0.0	0.0	0.0			
-18.00000	2.00000	99.00000	0.0	0.0	0.0			
-17.00000	2.00000	99.00000	0.0	0.0	0.0			
-16.00000	2.00000	99.00000	0.0	0.0	0.0			
-15.00000	2.00000	99.00000	0.0	0.0	0.0			
-14.00000	2.00000	99.00000	0.0	0.0	0.0			
-13.00000	2.00000	99.00000	0.0	0.0	0.0			
-12.00000	2.00000	99.00000	0.0	0.0	0.0			
-11.00000	2.00000	99.00000	0.0	0.0	0.0			
-10.00000	2.00000	99.00000	0.0	0.0	0.0			
-9.00000	2.00000	99.00000	0.0	0.0	0.0			
-8.00000	2.00000	99.00000	0.0	0.0	0.0			
-7.00000	2.00000	99.00000	0.0	0.0	0.20000			
-6.00000	2.00000	99.00000	951.35E-6	0.0	0.40000			
-5.00000	2.00000	99.00000	0.17967	0.0	0.60000			
-4.00000	2.00000	99.00000	0.37420	0.0	0.80000			
-3.00000	2.00000	99.00000	0.60048	0.0	1.00000			
-2.00000	2.00000	99.00000	0.87445	0.0	1.20000			
-1.00000	2.00000	99.00000	1.2120	0.0	1.40000			
0.00000	2.00000	99.00000	1.6292	0.0	1.60000			
1.00000	2.00000	99.00000					Point lies within an excavation.	
2.00000	2.00000	99.00000					Point lies within an excavation.	
3.00000	2.00000	99.00000					Point lies within an excavation.	
4.00000	2.00000	99.00000					Point lies within an excavation.	
5.00000	2.00000	99.00000					Point lies within an excavation.	
6.00000	2.00000	99.00000					Point lies within an excavation.	
7.00000	2.00000	99.00000					Point lies within an excavation.	
8.00000	2.00000	99.00000					Point lies within an excavation.	
9.00000	2.00000	99.00000					Point lies within an excavation.	
10.00000	2.00000	99.00000					Point lies within an excavation.	
11.00000	2.00000	99.00000					Point lies within an excavation.	
12.00000	2.00000	99.00000					Point lies within an excavation.	
13.00000	2.00000	99.00000					Point lies within an excavation.	
14.00000	2.00000	99.00000					Point lies within an excavation.	
15.00000	2.00000	99.00000					Point lies within an excavation.	
16.00000	2.00000	99.00000					Point lies within an excavation.	
17.00000	2.00000	99.00000					Point lies within an excavation.	
18.00000	2.00000	99.00000					Point lies within an excavation.	
19.00000	2.00000	99.00000					Point lies within an excavation.	
20.00000	2.00000	99.00000	0.0	0.0	0.0			
21.00000	2.00000	99.00000					Point lies within an excavation.	
22.00000	2.00000	99.00000					Point lies within an excavation.	
23.00000	2.00000	99.00000					Point lies within an excavation.	
24.00000	2.00000	99.00000					Point lies within an excavation.	
25.00000	2.00000	99.00000					Point lies within an excavation.	
26.00000	2.00000	99.00000					Point lies within an excavation.	
27.00000	2.00000	99.00000					Point lies within an excavation.	
28.00000	2.00000	99.00000					Point lies within an excavation.	
29.00000	2.00000	99.00000					Point lies within an excavation.	
30.00000	2.00000	99.00000					Point lies within an excavation.	
31.00000	2.00000	99.00000					Point lies within an excavation.	
32.00000	2.00000	99.00000					Point lies within an excavation.	
33.00000	2.00000	99.00000					Point lies within an excavation.	
34.00000	2.00000	99.00000					Point lies within an excavation.	
35.00000	2.00000	99.00000	-1.6292	0.0	1.60000			
36.00000	2.00000	99.00000	-1.2120	0.0	1.40000			
37.00000	2.00000	99.00000	-0.87445	0.0	1.20000			
38.00000	2.00000	99.00000	-0.60048	0.0	1.00000			
39.00000	2.00000	99.00000	-0.37420	0.0	0.80000			
40.00000	2.00000	99.00000	-0.17967	0.0	0.60000			
41.00000	2.00000	99.00000	951.35E-6	0.0	0.40000			
42.00000	2.00000	99.00000	0.0	0.0	0.20000			
43.00000	2.00000	99.00000	0.0	0.0	0.0			
44.00000	2.00000	99.00000	0.0	0.0	0.0			
45.00000	2.00000	99.00000	0.0	0.0	0.0			
46.00000	2.00000	99.00000	0.0	0.0	0.0			
47.00000	2.00000	99.00000	0.0	0.0	0.0			
48.00000	2.00000	99.00000	0.0	0.0	0.0			
49.00000	2.00000	99.00000	0.0	0.0	0.0			
50.00000	2.00000	99.00000	0.0	0.0	0.0			
51.00000	2.00000	99.00000	0.0	0.0	0.0			
52.00000	2.00000	99.00000	0.0	0.0	0.0			
53.00000	2.00000	99.00000	0.0	0.0	0.0			
54.00000	2.00000	99.00000	0.0	0.0	0.0			
55.00000	2.00000	99.00000	0.0	0.0	0.0			
56.00000	2.00000	99.00000	0.0	0.0	0.0			
57.00000	2.00000	99.00000	0.0	0.0	0.0			
58.00000	2.00000	99.00000	0.0	0.0	0.0			
59.00000	2.00000	99.00000	0.0	0.0	0.0			
60.00000	2.00000	99.00000	0.0	0.0	0.0			
61.00000	2.00000	99.00000	0.0	0.0	0.0			
62.00000	2.00000	99.00000	0.0	0.0	0.0			
63.00000	2.00000	99.00000	0.0	0.0	0.0			
64.00000	2.00000	99.00000	0.0	0.0	0.0			
65.00000	2.00000	99.00000	0.0	0.0	0.0			
-30.00000	3.00000	99.00000	0.0	0.0	0.0			
-29.00000	3.00000	99.00000	0.0	0.0	0.0			
-28.00000	3.00000	99.00000	0.0	0.0	0.0			
-27.00000	3.00000	99.00000	0.0	0.0	0.0			
-26.00000	3.00000	99.00000	0.0	0.0	0.0			
-25.00000	3.00000	99.00000	0.0	0.0	0.0			
-24.00000	3.00000	99.00000	0.0	0.0	0.0			
-23.00000	3.00000	99.00000	0.0	0.0	0.0			
-22.00000	3.00000	99.00000	0.0	0.0	0.0			
-21.00000	3.00000	99.00000	0.0	0.0	0.0			
-20.00000	3.00000	99.00000	0.0	0.0	0.0			
-19.00000	3.00000	99.00000	0.0	0.0	0.0			
-18.00000	3.00000	99.00000	0.0	0.0	0.0			
-17.00000	3.00000	99.00000	0.0	0.0	0.0			
-16.00000	3.00000	99.00000	0.0	0.0	0.0			
-15.00000	3.00000	99.00000	0.0	0.0	0.0			
-14.00000	3.00000	99.00000	0.0	0.0	0.0			
-13.00000	3.00000	99.00000	0.0	0.0	0.0			
-12.00000	3.00000	99.00000	0.0	0.0	0.0			
-11.00000	3.00000	99.00000	0.0	0.0	0.0			
-10.00000	3.00000	99.00000	0.0	0.0	0.0			
-9.00000	3.00000	99.00000	0.0	0.0	0.0			
-8.00000	3.00000	99.00000	0.0	0.0	0.0			
-7.00000	3.00000	99.00000	0.0	0.0	0.20000			
-6.00000	3.00000	99.00000	951.35E-6	0.0	0.40000			
-5.00000	3.00000	99.00000	0.17967	0.0	0.60000			
-4.00000	3.00000	99.00000	0.37420	0.0	0.80000			
-3.00000	3.00000	99.00000	0.60048	0.0	1.00000			
-2.00000	3.00000	99.00000	0.87445	0.0	1.20000			
-1.00000	3.00000	99.00000	1.2120	0.0	1.40000			
0.00000	3.00000	99.00000	1.6292	0.0	1.60000			
1.00000	3.00000	99.00000					Point lies within an excavation.	
2.00000	3.00000	99.00000					Point lies within an excavation.	
3.00000	3.00000	99.00000					Point lies within an excavation.	
4.00000	3.00000	99.00000					Point lies within an excavation.	
5.00000	3.00000	99.00000					Point lies within an excavation.	
6.00000	3.00000	99.00000					Point lies within an excavation.	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements			
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]	
7.00000	3.00000	99.00000						Point lies within an excavation.
8.00000	3.00000	99.00000						Point lies within an excavation.
9.00000	3.00000	99.00000						Point lies within an excavation.
10.00000	3.00000	99.00000						Point lies within an excavation.
11.00000	3.00000	99.00000						Point lies within an excavation.
12.00000	3.00000	99.00000						Point lies within an excavation.
13.00000	3.00000	99.00000						Point lies within an excavation.
14.00000	3.00000	99.00000						Point lies within an excavation.
15.00000	3.00000	99.00000						Point lies within an excavation.
16.00000	3.00000	99.00000						Point lies within an excavation.
17.00000	3.00000	99.00000						Point lies within an excavation.
18.00000	3.00000	99.00000						Point lies within an excavation.
19.00000	3.00000	99.00000						Point lies within an excavation.
20.00000	3.00000	99.00000			0.0	0.0	0.0	Point lies within an excavation.
21.00000	3.00000	99.00000						Point lies within an excavation.
22.00000	3.00000	99.00000						Point lies within an excavation.
23.00000	3.00000	99.00000						Point lies within an excavation.
24.00000	3.00000	99.00000						Point lies within an excavation.
25.00000	3.00000	99.00000						Point lies within an excavation.
26.00000	3.00000	99.00000						Point lies within an excavation.
27.00000	3.00000	99.00000						Point lies within an excavation.
28.00000	3.00000	99.00000						Point lies within an excavation.
29.00000	3.00000	99.00000						Point lies within an excavation.
30.00000	3.00000	99.00000						Point lies within an excavation.
31.00000	3.00000	99.00000						Point lies within an excavation.
32.00000	3.00000	99.00000						Point lies within an excavation.
33.00000	3.00000	99.00000						Point lies within an excavation.
34.00000	3.00000	99.00000						Point lies within an excavation.
35.00000	3.00000	99.00000			-1.6292	0.0	1.6000	
36.00000	3.00000	99.00000			-1.2120	0.0	1.4000	
37.00000	3.00000	99.00000			-0.87445	0.0	1.2000	
38.00000	3.00000	99.00000			-0.60048	0.0	1.0000	
39.00000	3.00000	99.00000			-0.37420	0.0	0.80000	
40.00000	3.00000	99.00000			-0.17967	0.0	0.60000	
41.00000	3.00000	99.00000			-951.35E-6	0.0	0.40000	
42.00000	3.00000	99.00000			0.0	0.0	0.20000	
43.00000	3.00000	99.00000			0.0	0.0	0.0	
44.00000	3.00000	99.00000			0.0	0.0	0.0	
45.00000	3.00000	99.00000			0.0	0.0	0.0	
46.00000	3.00000	99.00000			0.0	0.0	0.0	
47.00000	3.00000	99.00000			0.0	0.0	0.0	
48.00000	3.00000	99.00000			0.0	0.0	0.0	
49.00000	3.00000	99.00000			0.0	0.0	0.0	
50.00000	3.00000	99.00000			0.0	0.0	0.0	
51.00000	3.00000	99.00000			0.0	0.0	0.0	
52.00000	3.00000	99.00000			0.0	0.0	0.0	
53.00000	3.00000	99.00000			0.0	0.0	0.0	
54.00000	3.00000	99.00000			0.0	0.0	0.0	
55.00000	3.00000	99.00000			0.0	0.0	0.0	
56.00000	3.00000	99.00000			0.0	0.0	0.0	
57.00000	3.00000	99.00000			0.0	0.0	0.0	
58.00000	3.00000	99.00000			0.0	0.0	0.0	
59.00000	3.00000	99.00000			0.0	0.0	0.0	
60.00000	3.00000	99.00000			0.0	0.0	0.0	
61.00000	3.00000	99.00000			0.0	0.0	0.0	
62.00000	3.00000	99.00000			0.0	0.0	0.0	
63.00000	3.00000	99.00000			0.0	0.0	0.0	
64.00000	3.00000	99.00000			0.0	0.0	0.0	
65.00000	3.00000	99.00000			0.0	0.0	0.0	
-30.00000	4.00000	99.00000			0.0	0.0	0.0	
-29.00000	4.00000	99.00000			0.0	0.0	0.0	
-28.00000	4.00000	99.00000			0.0	0.0	0.0	
-27.00000	4.00000	99.00000			0.0	0.0	0.0	
-26.00000	4.00000	99.00000			0.0	0.0	0.0	
-25.00000	4.00000	99.00000			0.0	0.0	0.0	
-24.00000	4.00000	99.00000			0.0	0.0	0.0	
-23.00000	4.00000	99.00000			0.0	0.0	0.0	
-22.00000	4.00000	99.00000			0.0	0.0	0.0	
-21.00000	4.00000	99.00000			0.0	0.0	0.0	
-20.00000	4.00000	99.00000			0.0	0.0	0.0	
-19.00000	4.00000	99.00000			0.0	0.0	0.0	
-18.00000	4.00000	99.00000			0.0	0.0	0.0	
-17.00000	4.00000	99.00000			0.0	0.0	0.0	
-16.00000	4.00000	99.00000			0.0	0.0	0.0	
-15.00000	4.00000	99.00000			0.0	0.0	0.0	
-14.00000	4.00000	99.00000			0.0	0.0	0.0	
-13.00000	4.00000	99.00000			0.0	0.0	0.0	
-12.00000	4.00000	99.00000			0.0	0.0	0.0	
-11.00000	4.00000	99.00000			0.0	0.0	0.0	
-10.00000	4.00000	99.00000			0.0	0.0	0.0	
-9.00000	4.00000	99.00000			0.0	0.0	0.0	
-8.00000	4.00000	99.00000			0.0	0.0	0.0	
-7.00000	4.00000	99.00000			0.0	0.0	0.20000	
-6.00000	4.00000	99.00000			951.35E-6	0.0	0.40000	
-5.00000	4.00000	99.00000			0.17967	0.0	0.60000	
-4.00000	4.00000	99.00000			0.37420	0.0	0.80000	
-3.00000	4.00000	99.00000			0.60048	0.0	1.0000	
-2.00000	4.00000	99.00000			0.87445	0.0	1.2000	
-1.00000	4.00000	99.00000			1.2120	0.0	1.4000	
0.00000	4.00000	99.00000			1.6292	0.0	1.6000	
1.00000	4.00000	99.00000						Point lies within an excavation.
2.00000	4.00000	99.00000						Point lies within an excavation.
3.00000	4.00000	99.00000						Point lies within an excavation.
4.00000	4.00000	99.00000						Point lies within an excavation.
5.00000	4.00000	99.00000						Point lies within an excavation.
6.00000	4.00000	99.00000						Point lies within an excavation.
7.00000	4.00000	99.00000						Point lies within an excavation.
8.00000	4.00000	99.00000						Point lies within an excavation.
9.00000	4.00000	99.00000						Point lies within an excavation.
10.00000	4.00000	99.00000						Point lies within an excavation.
11.00000	4.00000	99.00000						Point lies within an excavation.
12.00000	4.00000	99.00000						Point lies within an excavation.
13.00000	4.00000	99.00000						Point lies within an excavation.
14.00000	4.00000	99.00000						Point lies within an excavation.
15.00000	4.00000	99.00000						Point lies within an excavation.
16.00000	4.00000	99.00000						Point lies within an excavation.
17.00000	4.00000	99.00000						Point lies within an excavation.
18.00000	4.00000	99.00000						Point lies within an excavation.
19.00000	4.00000	99.00000						Point lies within an excavation.
20.00000	4.00000	99.00000			0.0	0.0	0.0	Point lies within an excavation.
21.00000	4.00000	99.00000						Point lies within an excavation.
22.00000	4.00000	99.00000						Point lies within an excavation.
23.00000	4.00000	99.00000						Point lies within an excavation.
24.00000	4.00000	99.00000						Point lies within an excavation.
25.00000	4.00000	99.00000						Point lies within an excavation.
26.00000	4.00000	99.00000						Point lies within an excavation.
27.00000	4.00000	99.00000						Point lies within an excavation.
28.00000	4.00000	99.00000						Point lies within an excavation.
29.00000	4.00000	99.00000						Point lies within an excavation.
30.00000	4.00000	99.00000						Point lies within an excavation.
31.00000	4.00000	99.00000						Point lies within an excavation.
32.00000	4.00000	99.00000						Point lies within an excavation.
33.00000	4.00000	99.00000						Point lies within an excavation.
34.00000	4.00000	99.00000						Point lies within an excavation.
35.00000	4.00000	99.00000			-1.6292	0.0	1.6000	
36.00000	4.00000	99.00000			-1.2120	0.0	1.4000	
37.00000	4.00000	99.00000			-0.87445	0.0	1.2000	
38.00000	4.00000	99.00000			-0.60048	0.0	1.0000	
39.00000	4.00000	99.00000			-0.37420	0.0	0.80000	
40.00000	4.00000	99.00000			-0.17967	0.0	0.60000	
41.00000	4.00000	99.00000			-951.35E-6	0.0	0.40000	
42.00000	4.00000	99.00000			0.0	0.0	0.20000	
43.00000	4.00000	99.00000			0.0	0.0	0.0	
44.00000	4.00000	99.00000			0.0	0.0	0.0	
45.00000	4.00000	99.00000			0.0	0.0	0.0	
46.00000	4.00000	99.00000			0.0	0.0	0.0	
47.00000	4.00000	99.00000			0.0	0.0	0.0	
48.00000	4.00000	99.00000			0.0	0.0	0.0	
49.00000	4.00000	99.00000			0.0	0.0	0.0	
50.00000	4.00000	99.00000			0.0	0.0	0.0	
51.00000	4.00000	99.00000			0.0	0.0	0.0	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No. Sheet No. Rev.

J14267A

Drg. Ref.

Made by MP

Date 02-Jul-2015

Checked

Type/No.	Coordinates	Displacements
Name	x [m] y [m] z [m]	x [mm] y [mm] z [mm]
46.00000	7.00000 99.00000	0.0 0.0 0.0
47.00000	7.00000 99.00000	0.0 0.0 0.0
48.00000	7.00000 99.00000	0.0 0.0 0.0
49.00000	7.00000 99.00000	0.0 0.0 0.0
50.00000	7.00000 99.00000	0.0 0.0 0.0
51.00000	7.00000 99.00000	0.0 0.0 0.0
52.00000	7.00000 99.00000	0.0 0.0 0.0
53.00000	7.00000 99.00000	0.0 0.0 0.0
54.00000	7.00000 99.00000	0.0 0.0 0.0
55.00000	7.00000 99.00000	0.0 0.0 0.0
56.00000	7.00000 99.00000	0.0 0.0 0.0
57.00000	7.00000 99.00000	0.0 0.0 0.0
58.00000	7.00000 99.00000	0.0 0.0 0.0
59.00000	7.00000 99.00000	0.0 0.0 0.0
60.00000	7.00000 99.00000	0.0 0.0 0.0
61.00000	7.00000 99.00000	0.0 0.0 0.0
62.00000	7.00000 99.00000	0.0 0.0 0.0
63.00000	7.00000 99.00000	0.0 0.0 0.0
64.00000	7.00000 99.00000	0.0 0.0 0.0
65.00000	7.00000 99.00000	0.0 0.0 0.0
-30.00000	8.00000 99.00000	0.0 0.0 0.0
-29.00000	8.00000 99.00000	0.0 0.0 0.0
-28.00000	8.00000 99.00000	0.0 0.0 0.0
-27.00000	8.00000 99.00000	0.0 0.0 0.0
-26.00000	8.00000 99.00000	0.0 0.0 0.0
-25.00000	8.00000 99.00000	0.0 0.0 0.0
-24.00000	8.00000 99.00000	0.0 0.0 0.0
-23.00000	8.00000 99.00000	0.0 0.0 0.0
-22.00000	8.00000 99.00000	0.0 0.0 0.0
-21.00000	8.00000 99.00000	0.0 0.0 0.0
-20.00000	8.00000 99.00000	0.0 0.0 0.0
-19.00000	8.00000 99.00000	0.0 0.0 0.0
-18.00000	8.00000 99.00000	0.0 0.0 0.0
-17.00000	8.00000 99.00000	0.0 0.0 0.0
-16.00000	8.00000 99.00000	0.0 0.0 0.0
-15.00000	8.00000 99.00000	0.0 0.0 0.0
-14.00000	8.00000 99.00000	0.0 0.0 0.0
-13.00000	8.00000 99.00000	0.0 0.0 0.0
-12.00000	8.00000 99.00000	0.0 0.0 0.0
-11.00000	8.00000 99.00000	0.0 0.0 0.0
-10.00000	8.00000 99.00000	0.0 0.0 0.0
-9.00000	8.00000 99.00000	0.0 0.0 0.0
-8.00000	8.00000 99.00000	0.0 0.0 0.0
-7.00000	8.00000 99.00000	0.0 0.0 0.20000
-6.00000	8.00000 99.00000	951.35E-6 0.0 0.40000
-5.00000	8.00000 99.00000	0.17967 0.0 0.60000
-4.00000	8.00000 99.00000	0.37420 0.0 0.80000
-3.00000	8.00000 99.00000	0.60048 0.0 1.00000
-2.00000	8.00000 99.00000	0.87445 0.0 1.20000
-1.00000	8.00000 99.00000	1.2120 0.0 1.40000
0.00000	8.00000 99.00000	1.6292 0.0 1.60000
1.00000	8.00000 99.00000	Point lies within an excavation.
2.00000	8.00000 99.00000	Point lies within an excavation.
3.00000	8.00000 99.00000	Point lies within an excavation.
4.00000	8.00000 99.00000	Point lies within an excavation.
5.00000	8.00000 99.00000	Point lies within an excavation.
6.00000	8.00000 99.00000	Point lies within an excavation.
7.00000	8.00000 99.00000	Point lies within an excavation.
8.00000	8.00000 99.00000	Point lies within an excavation.
9.00000	8.00000 99.00000	Point lies within an excavation.
10.00000	8.00000 99.00000	Point lies within an excavation.
11.00000	8.00000 99.00000	Point lies within an excavation.
12.00000	8.00000 99.00000	Point lies within an excavation.
13.00000	8.00000 99.00000	Point lies within an excavation.
14.00000	8.00000 99.00000	Point lies within an excavation.
15.00000	8.00000 99.00000	Point lies within an excavation.
16.00000	8.00000 99.00000	Point lies within an excavation.
17.00000	8.00000 99.00000	Point lies within an excavation.
18.00000	8.00000 99.00000	Point lies within an excavation.
19.00000	8.00000 99.00000	Point lies within an excavation.
20.00000	8.00000 99.00000	0.0 0.0 0.0
21.00000	8.00000 99.00000	Point lies within an excavation.
22.00000	8.00000 99.00000	Point lies within an excavation.
23.00000	8.00000 99.00000	Point lies within an excavation.
24.00000	8.00000 99.00000	Point lies within an excavation.
25.00000	8.00000 99.00000	Point lies within an excavation.
26.00000	8.00000 99.00000	Point lies within an excavation.
27.00000	8.00000 99.00000	Point lies within an excavation.
28.00000	8.00000 99.00000	Point lies within an excavation.
29.00000	8.00000 99.00000	Point lies within an excavation.
30.00000	8.00000 99.00000	Point lies within an excavation.
31.00000	8.00000 99.00000	Point lies within an excavation.
32.00000	8.00000 99.00000	Point lies within an excavation.
33.00000	8.00000 99.00000	Point lies within an excavation.
34.00000	8.00000 99.00000	Point lies within an excavation.
35.00000	8.00000 99.00000	-1.6292 0.0 1.60000
36.00000	8.00000 99.00000	-1.2120 0.0 1.40000
37.00000	8.00000 99.00000	-0.87445 0.0 1.20000
38.00000	8.00000 99.00000	-0.60048 0.0 1.00000
39.00000	8.00000 99.00000	-0.37420 0.0 0.80000
40.00000	8.00000 99.00000	-0.17967 0.0 0.60000
41.00000	8.00000 99.00000	-951.35E-6 0.0 0.40000
42.00000	8.00000 99.00000	0.0 0.0 0.20000
43.00000	8.00000 99.00000	0.0 0.0 0.0
44.00000	8.00000 99.00000	0.0 0.0 0.0
45.00000	8.00000 99.00000	0.0 0.0 0.0
46.00000	8.00000 99.00000	0.0 0.0 0.0
47.00000	8.00000 99.00000	0.0 0.0 0.0
48.00000	8.00000 99.00000	0.0 0.0 0.0
49.00000	8.00000 99.00000	0.0 0.0 0.0
50.00000	8.00000 99.00000	0.0 0.0 0.0
51.00000	8.00000 99.00000	0.0 0.0 0.0
52.00000	8.00000 99.00000	0.0 0.0 0.0
53.00000	8.00000 99.00000	0.0 0.0 0.0
54.00000	8.00000 99.00000	0.0 0.0 0.0
55.00000	8.00000 99.00000	0.0 0.0 0.0
56.00000	8.00000 99.00000	0.0 0.0 0.0
57.00000	8.00000 99.00000	0.0 0.0 0.0
58.00000	8.00000 99.00000	0.0 0.0 0.0
59.00000	8.00000 99.00000	0.0 0.0 0.0
60.00000	8.00000 99.00000	0.0 0.0 0.0
61.00000	8.00000 99.00000	0.0 0.0 0.0
62.00000	8.00000 99.00000	0.0 0.0 0.0
63.00000	8.00000 99.00000	0.0 0.0 0.0
64.00000	8.00000 99.00000	0.0 0.0 0.0
65.00000	8.00000 99.00000	0.0 0.0 0.0
-30.00000	9.00000 99.00000	0.0 0.0 0.0
-29.00000	9.00000 99.00000	0.0 0.0 0.0
-28.00000	9.00000 99.00000	0.0 0.0 0.0
-27.00000	9.00000 99.00000	0.0 0.0 0.0
-26.00000	9.00000 99.00000	0.0 0.0 0.0
-25.00000	9.00000 99.00000	0.0 0.0 0.0
-24.00000	9.00000 99.00000	0.0 0.0 0.0
-23.00000	9.00000 99.00000	0.0 0.0 0.0
-22.00000	9.00000 99.00000	0.0 0.0 0.0
-21.00000	9.00000 99.00000	0.0 0.0 0.0
-20.00000	9.00000 99.00000	0.0 0.0 0.0
-19.00000	9.00000 99.00000	0.0 0.0 0.0
-18.00000	9.00000 99.00000	0.0 0.0 0.0
-17.00000	9.00000 99.00000	0.0 0.0 0.0
-16.00000	9.00000 99.00000	0.0 0.0 0.0
-15.00000	9.00000 99.00000	0.0 0.0 0.0
-14.00000	9.00000 99.00000	0.0 0.0 0.0
-13.00000	9.00000 99.00000	0.0 0.0 0.0
-12.00000	9.00000 99.00000	0.0 0.0 0.0
-11.00000	9.00000 99.00000	0.0 0.0 0.0
-10.00000	9.00000 99.00000	0.0 0.0 0.0
-9.00000	9.00000 99.00000	0.0 0.0 0.0
-8.00000	9.00000 99.00000	0.0 0.0 0.0
-7.00000	9.00000 99.00000	0.0 0.0 0.20000
-6.00000	9.00000 99.00000	951.35E-6 0.0 0.40000



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements			
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]	
-5.00000	9.00000	99.00000	0.17967	0.0	0.60000			
-4.00000	9.00000	99.00000	0.37420	0.0	0.80000			
-3.00000	9.00000	99.00000	0.60048	0.0	1.00000			
-2.00000	9.00000	99.00000	0.87445	0.0	1.20000			
-1.00000	9.00000	99.00000	1.2120	0.0	1.40000			
0.00000	9.00000	99.00000	1.6292	0.0	1.60000			
1.00000	9.00000	99.00000					Point lies within an excavation.	
2.00000	9.00000	99.00000					Point lies within an excavation.	
3.00000	9.00000	99.00000					Point lies within an excavation.	
4.00000	9.00000	99.00000					Point lies within an excavation.	
5.00000	9.00000	99.00000					Point lies within an excavation.	
6.00000	9.00000	99.00000					Point lies within an excavation.	
7.00000	9.00000	99.00000					Point lies within an excavation.	
8.00000	9.00000	99.00000					Point lies within an excavation.	
9.00000	9.00000	99.00000					Point lies within an excavation.	
10.00000	9.00000	99.00000					Point lies within an excavation.	
11.00000	9.00000	99.00000					Point lies within an excavation.	
12.00000	9.00000	99.00000					Point lies within an excavation.	
13.00000	9.00000	99.00000					Point lies within an excavation.	
14.00000	9.00000	99.00000					Point lies within an excavation.	
15.00000	9.00000	99.00000					Point lies within an excavation.	
16.00000	9.00000	99.00000					Point lies within an excavation.	
17.00000	9.00000	99.00000					Point lies within an excavation.	
18.00000	9.00000	99.00000					Point lies within an excavation.	
19.00000	9.00000	99.00000					Point lies within an excavation.	
20.00000	9.00000	99.00000	0.0	0.0	0.0			
21.00000	9.00000	99.00000					Point lies within an excavation.	
22.00000	9.00000	99.00000					Point lies within an excavation.	
23.00000	9.00000	99.00000					Point lies within an excavation.	
24.00000	9.00000	99.00000					Point lies within an excavation.	
25.00000	9.00000	99.00000					Point lies within an excavation.	
26.00000	9.00000	99.00000					Point lies within an excavation.	
27.00000	9.00000	99.00000					Point lies within an excavation.	
28.00000	9.00000	99.00000					Point lies within an excavation.	
29.00000	9.00000	99.00000					Point lies within an excavation.	
30.00000	9.00000	99.00000					Point lies within an excavation.	
31.00000	9.00000	99.00000					Point lies within an excavation.	
32.00000	9.00000	99.00000					Point lies within an excavation.	
33.00000	9.00000	99.00000					Point lies within an excavation.	
34.00000	9.00000	99.00000					Point lies within an excavation.	
35.00000	9.00000	99.00000	-1.6292	0.0	1.60000			
36.00000	9.00000	99.00000	-1.2120	0.0	1.40000			
37.00000	9.00000	99.00000	-0.87445	0.0	1.20000			
38.00000	9.00000	99.00000	-0.60048	0.0	1.00000			
39.00000	9.00000	99.00000	-0.37420	0.0	0.80000			
40.00000	9.00000	99.00000	-0.17967	0.0	0.60000			
41.00000	9.00000	99.00000	-951.35E-6	0.0	0.40000			
42.00000	9.00000	99.00000	0.0	0.0	0.20000			
43.00000	9.00000	99.00000	0.0	0.0	0.0			
44.00000	9.00000	99.00000	0.0	0.0	0.0			
45.00000	9.00000	99.00000	0.0	0.0	0.0			
46.00000	9.00000	99.00000	0.0	0.0	0.0			
47.00000	9.00000	99.00000	0.0	0.0	0.0			
48.00000	9.00000	99.00000	0.0	0.0	0.0			
49.00000	9.00000	99.00000	0.0	0.0	0.0			
50.00000	9.00000	99.00000	0.0	0.0	0.0			
51.00000	9.00000	99.00000	0.0	0.0	0.0			
52.00000	9.00000	99.00000	0.0	0.0	0.0			
53.00000	9.00000	99.00000	0.0	0.0	0.0			
54.00000	9.00000	99.00000	0.0	0.0	0.0			
55.00000	9.00000	99.00000	0.0	0.0	0.0			
56.00000	9.00000	99.00000	0.0	0.0	0.0			
57.00000	9.00000	99.00000	0.0	0.0	0.0			
58.00000	9.00000	99.00000	0.0	0.0	0.0			
59.00000	9.00000	99.00000	0.0	0.0	0.0			
60.00000	9.00000	99.00000	0.0	0.0	0.0			
61.00000	9.00000	99.00000	0.0	0.0	0.0			
62.00000	9.00000	99.00000	0.0	0.0	0.0			
63.00000	9.00000	99.00000	0.0	0.0	0.0			
64.00000	9.00000	99.00000	0.0	0.0	0.0			
65.00000	9.00000	99.00000	0.0	0.0	0.0			
-30.00000	10.00000	99.00000	0.0	0.0	0.0			
-29.00000	10.00000	99.00000	0.0	0.0	0.0			
-28.00000	10.00000	99.00000	0.0	0.0	0.0			
-27.00000	10.00000	99.00000	0.0	0.0	0.0			
-26.00000	10.00000	99.00000	0.0	0.0	0.0			
-25.00000	10.00000	99.00000	0.0	0.0	0.0			
-24.00000	10.00000	99.00000	0.0	0.0	0.0			
-23.00000	10.00000	99.00000	0.0	0.0	0.0			
-22.00000	10.00000	99.00000	0.0	0.0	0.0			
-21.00000	10.00000	99.00000	0.0	0.0	0.0			
-20.00000	10.00000	99.00000	0.0	0.0	0.0			
-19.00000	10.00000	99.00000	0.0	0.0	0.0			
-18.00000	10.00000	99.00000	0.0	0.0	0.0			
-17.00000	10.00000	99.00000	0.0	0.0	0.0			
-16.00000	10.00000	99.00000	0.0	0.0	0.0			
-15.00000	10.00000	99.00000	0.0	0.0	0.0			
-14.00000	10.00000	99.00000	0.0	0.0	0.0			
-13.00000	10.00000	99.00000	0.0	0.0	0.0			
-12.00000	10.00000	99.00000	0.0	0.0	0.0			
-11.00000	10.00000	99.00000	0.0	0.0	0.0			
-10.00000	10.00000	99.00000	0.0	0.0	0.0			
-9.00000	10.00000	99.00000	0.0	0.0	0.0			
-8.00000	10.00000	99.00000	0.0	0.0	0.0			
-7.00000	10.00000	99.00000	0.0	0.0	0.20000			
-6.00000	10.00000	99.00000	951.35E-6	0.0	0.40000			
-5.00000	10.00000	99.00000	0.17967	0.0	0.60000			
-4.00000	10.00000	99.00000	0.37420	0.0	0.80000			
-3.00000	10.00000	99.00000	0.60048	0.0	1.00000			
-2.00000	10.00000	99.00000	0.87445	0.0	1.20000			
-1.00000	10.00000	99.00000	1.2120	0.0	1.40000			
0.00000	10.00000	99.00000	1.6292	0.0	1.60000			
1.00000	10.00000	99.00000					Point lies within an excavation.	
2.00000	10.00000	99.00000					Point lies within an excavation.	
3.00000	10.00000	99.00000					Point lies within an excavation.	
4.00000	10.00000	99.00000					Point lies within an excavation.	
5.00000	10.00000	99.00000					Point lies within an excavation.	
6.00000	10.00000	99.00000					Point lies within an excavation.	
7.00000	10.00000	99.00000					Point lies within an excavation.	
8.00000	10.00000	99.00000					Point lies within an excavation.	
9.00000	10.00000	99.00000					Point lies within an excavation.	
10.00000	10.00000	99.00000					Point lies within an excavation.	
11.00000	10.00000	99.00000					Point lies within an excavation.	
12.00000	10.00000	99.00000					Point lies within an excavation.	
13.00000	10.00000	99.00000					Point lies within an excavation.	
14.00000	10.00000	99.00000					Point lies within an excavation.	
15.00000	10.00000	99.00000					Point lies within an excavation.	
16.00000	10.00000	99.00000					Point lies within an excavation.	
17.00000	10.00000	99.00000					Point lies within an excavation.	
18.00000	10.00000	99.00000					Point lies within an excavation.	
19.00000	10.00000	99.00000					Point lies within an excavation.	
20.00000	10.00000	99.00000	0.0	0.0	0.0			
21.00000	10.00000	99.00000					Point lies within an excavation.	
22.00000	10.00000	99.00000					Point lies within an excavation.	
23.00000	10.00000	99.00000					Point lies within an excavation.	
24.00000	10.00000	99.00000					Point lies within an excavation.	
25.00000	10.00000	99.00000					Point lies within an excavation.	
26.00000	10.00000	99.00000					Point lies within an excavation.	
27.00000	10.00000	99.00000					Point lies within an excavation.	
28.00000	10.00000	99.00000					Point lies within an excavation.	
29.00000	10.00000	99.00000					Point lies within an excavation.	
30.00000	10.00000	99.00000					Point lies within an excavation.	
31.00000	10.00000	99.00000					Point lies within an excavation.	
32.00000	10.00000	99.00000					Point lies within an excavation.	
33.00000	10.00000	99.00000					Point lies within an excavation.	
34.00000	10.00000	99.00000					Point lies within an excavation.	
35.00000	10.00000	99.00000	-1.6292	0.0	1.60000			
36.00000	10.00000	99.00000	-1.2120	0.0	1.40000			
37.00000	10.00000	99.00000	-0.87445	0.0	1.20000			
38.00000	10.00000	99.00000	-0.60048	0.0	1.00000			
39.00000	10.00000	99.00000	-0.37420	0.0	0.80000			



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No. Sheet No. Rev.

J14267A

Drg. Ref.

Made by MP

Date 02-Jul-2015

Checked

Type/No.	Coordinates	Displacements
Name	Dist. [m]	x [m] y [m] z [m] x [mm] y [mm] z [mm]
40.00000	10.00000	99.00000 -0.17967 0.0 0.60000
41.00000	10.00000	99.00000 -951.35E-6 0.0 0.40000
42.00000	10.00000	99.00000 0.0 0.0 0.20000
43.00000	10.00000	99.00000 0.0 0.0 0.0
44.00000	10.00000	99.00000 0.0 0.0 0.0
45.00000	10.00000	99.00000 0.0 0.0 0.0
46.00000	10.00000	99.00000 0.0 0.0 0.0
47.00000	10.00000	99.00000 0.0 0.0 0.0
48.00000	10.00000	99.00000 0.0 0.0 0.0
49.00000	10.00000	99.00000 0.0 0.0 0.0
50.00000	10.00000	99.00000 0.0 0.0 0.0
51.00000	10.00000	99.00000 0.0 0.0 0.0
52.00000	10.00000	99.00000 0.0 0.0 0.0
53.00000	10.00000	99.00000 0.0 0.0 0.0
54.00000	10.00000	99.00000 0.0 0.0 0.0
55.00000	10.00000	99.00000 0.0 0.0 0.0
56.00000	10.00000	99.00000 0.0 0.0 0.0
57.00000	10.00000	99.00000 0.0 0.0 0.0
58.00000	10.00000	99.00000 0.0 0.0 0.0
59.00000	10.00000	99.00000 0.0 0.0 0.0
60.00000	10.00000	99.00000 0.0 0.0 0.0
61.00000	10.00000	99.00000 0.0 0.0 0.0
62.00000	10.00000	99.00000 0.0 0.0 0.0
63.00000	10.00000	99.00000 0.0 0.0 0.0
64.00000	10.00000	99.00000 0.0 0.0 0.0
65.00000	10.00000	99.00000 0.0 0.0 0.0
-30.00000	11.00000	99.00000 0.0 0.0 0.0
-29.00000	11.00000	99.00000 0.0 0.0 0.0
-28.00000	11.00000	99.00000 0.0 0.0 0.0
-27.00000	11.00000	99.00000 0.0 0.0 0.0
-26.00000	11.00000	99.00000 0.0 0.0 0.0
-25.00000	11.00000	99.00000 0.0 0.0 0.0
-24.00000	11.00000	99.00000 0.0 0.0 0.0
-23.00000	11.00000	99.00000 0.0 0.0 0.0
-22.00000	11.00000	99.00000 0.0 0.0 0.0
-21.00000	11.00000	99.00000 0.0 0.0 0.0
-20.00000	11.00000	99.00000 0.0 0.0 0.0
-19.00000	11.00000	99.00000 0.0 0.0 0.0
-18.00000	11.00000	99.00000 0.0 0.0 0.0
-17.00000	11.00000	99.00000 0.0 0.0 0.0
-16.00000	11.00000	99.00000 0.0 0.0 0.0
-15.00000	11.00000	99.00000 0.0 0.0 0.0
-14.00000	11.00000	99.00000 0.0 0.0 0.0
-13.00000	11.00000	99.00000 0.0 0.0 0.0
-12.00000	11.00000	99.00000 0.0 0.0 0.0
-11.00000	11.00000	99.00000 0.0 0.0 0.0
-10.00000	11.00000	99.00000 0.0 0.0 0.0
-9.00000	11.00000	99.00000 0.0 0.0 0.0
-8.00000	11.00000	99.00000 0.0 0.0 0.0
-7.00000	11.00000	99.00000 0.0 0.0 0.20000
-6.00000	11.00000	99.00000 951.35E-6 0.0 0.40000
-5.00000	11.00000	99.00000 0.17967 0.0 0.60000
-4.00000	11.00000	99.00000 0.37420 0.0 0.80000
-3.00000	11.00000	99.00000 0.60048 0.0 1.00000
-2.00000	11.00000	99.00000 0.87445 0.0 1.20000
-1.00000	11.00000	99.00000 1.2120 0.0 1.40000
0.00000	11.00000	99.00000 1.6292 0.0 1.60000
1.00000	11.00000	99.00000 Point lies within an excavation.
2.00000	11.00000	99.00000 Point lies within an excavation.
3.00000	11.00000	99.00000 Point lies within an excavation.
4.00000	11.00000	99.00000 Point lies within an excavation.
5.00000	11.00000	99.00000 Point lies within an excavation.
6.00000	11.00000	99.00000 Point lies within an excavation.
7.00000	11.00000	99.00000 Point lies within an excavation.
8.00000	11.00000	99.00000 Point lies within an excavation.
9.00000	11.00000	99.00000 Point lies within an excavation.
10.00000	11.00000	99.00000 Point lies within an excavation.
11.00000	11.00000	99.00000 Point lies within an excavation.
12.00000	11.00000	99.00000 Point lies within an excavation.
13.00000	11.00000	99.00000 Point lies within an excavation.
14.00000	11.00000	99.00000 Point lies within an excavation.
15.00000	11.00000	99.00000 Point lies within an excavation.
16.00000	11.00000	99.00000 Point lies within an excavation.
17.00000	11.00000	99.00000 Point lies within an excavation.
18.00000	11.00000	99.00000 Point lies within an excavation.
19.00000	11.00000	99.00000 Point lies within an excavation.
20.00000	11.00000	99.00000 0.0 0.0 0.0
21.00000	11.00000	99.00000 Point lies within an excavation.
22.00000	11.00000	99.00000 Point lies within an excavation.
23.00000	11.00000	99.00000 Point lies within an excavation.
24.00000	11.00000	99.00000 Point lies within an excavation.
25.00000	11.00000	99.00000 Point lies within an excavation.
26.00000	11.00000	99.00000 Point lies within an excavation.
27.00000	11.00000	99.00000 Point lies within an excavation.
28.00000	11.00000	99.00000 Point lies within an excavation.
29.00000	11.00000	99.00000 Point lies within an excavation.
30.00000	11.00000	99.00000 Point lies within an excavation.
31.00000	11.00000	99.00000 Point lies within an excavation.
32.00000	11.00000	99.00000 Point lies within an excavation.
33.00000	11.00000	99.00000 Point lies within an excavation.
34.00000	11.00000	99.00000 Point lies within an excavation.
35.00000	11.00000	99.00000 -1.6292 0.0 1.60000
36.00000	11.00000	99.00000 -1.2120 0.0 1.40000
37.00000	11.00000	99.00000 -0.87445 0.0 1.20000
38.00000	11.00000	99.00000 -0.60048 0.0 1.00000
39.00000	11.00000	99.00000 -0.37420 0.0 0.80000
40.00000	11.00000	99.00000 -0.17967 0.0 0.60000
41.00000	11.00000	99.00000 -951.35E-6 0.0 0.40000
42.00000	11.00000	99.00000 0.0 0.0 0.20000
43.00000	11.00000	99.00000 0.0 0.0 0.0
44.00000	11.00000	99.00000 0.0 0.0 0.0
45.00000	11.00000	99.00000 0.0 0.0 0.0
46.00000	11.00000	99.00000 0.0 0.0 0.0
47.00000	11.00000	99.00000 0.0 0.0 0.0
48.00000	11.00000	99.00000 0.0 0.0 0.0
49.00000	11.00000	99.00000 0.0 0.0 0.0
50.00000	11.00000	99.00000 0.0 0.0 0.0
51.00000	11.00000	99.00000 0.0 0.0 0.0
52.00000	11.00000	99.00000 0.0 0.0 0.0
53.00000	11.00000	99.00000 0.0 0.0 0.0
54.00000	11.00000	99.00000 0.0 0.0 0.0
55.00000	11.00000	99.00000 0.0 0.0 0.0
56.00000	11.00000	99.00000 0.0 0.0 0.0
57.00000	11.00000	99.00000 0.0 0.0 0.0
58.00000	11.00000	99.00000 0.0 0.0 0.0
59.00000	11.00000	99.00000 0.0 0.0 0.0
60.00000	11.00000	99.00000 0.0 0.0 0.0
61.00000	11.00000	99.00000 0.0 0.0 0.0
62.00000	11.00000	99.00000 0.0 0.0 0.0
63.00000	11.00000	99.00000 0.0 0.0 0.0
64.00000	11.00000	99.00000 0.0 0.0 0.0
65.00000	11.00000	99.00000 0.0 0.0 0.0
-30.00000	12.00000	99.00000 0.0 0.0 0.0
-29.00000	12.00000	99.00000 0.0 0.0 0.0
-28.00000	12.00000	99.00000 0.0 0.0 0.0
-27.00000	12.00000	99.00000 0.0 0.0 0.0
-26.00000	12.00000	99.00000 0.0 0.0 0.0
-25.00000	12.00000	99.00000 0.0 0.0 0.0
-24.00000	12.00000	99.00000 0.0 0.0 0.0
-23.00000	12.00000	99.00000 0.0 0.0 0.0
-22.00000	12.00000	99.00000 0.0 0.0 0.0
-21.00000	12.00000	99.00000 0.0 0.0 0.0
-20.00000	12.00000	99.00000 0.0 0.0 0.0
-19.00000	12.00000	99.00000 0.0 0.0 0.0
-18.00000	12.00000	99.00000 0.0 0.0 0.0
-17.00000	12.00000	99.00000 0.0 0.0 0.0
-16.00000	12.00000	99.00000 0.0 0.0 0.0
-15.00000	12.00000	99.00000 0.0 0.0 0.0
-14.00000	12.00000	99.00000 0.0 0.0 0.0
-13.00000	12.00000	99.00000 0.0 0.0 0.0
-12.00000	12.00000	99.00000 0.0 0.0 0.0



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No. Sheet No. Rev.

J14267A

Drg. Ref.

Made by MP

Date 02-Jul-2015

Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
-11.00000	12.00000	99.00000	0.0	0.0	0.0		
-10.00000	12.00000	99.00000	0.0	0.0	0.0		
-9.00000	12.00000	99.00000	0.0	0.0	0.0		
-8.00000	12.00000	99.00000	0.0	0.0	0.0		
-7.00000	12.00000	99.00000	0.0	0.0	0.13400		
-6.00000	12.00000	99.00000	637.41E-6	0.0	0.26800		
-5.00000	12.00000	99.00000	0.12038	0.0	0.40200		
-4.00000	12.00000	99.00000	0.25071	0.0	0.53600		
-3.00000	12.00000	99.00000	0.40232	0.0	0.67000		
-2.00000	12.00000	99.00000	0.58588	0.0	0.80400		
-1.00000	12.00000	99.00000	0.81206	0.0	0.93800		
0.00000	12.00000	99.00000	1.0915	0.0	1.0720		
1.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
2.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
3.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
4.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
5.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
6.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
7.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
8.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
9.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
10.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
11.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
12.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
13.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
14.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
15.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
16.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
17.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
18.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
19.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
20.00000	12.00000	99.00000	0.0	-1.0915	1.0720		
21.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
22.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
23.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
24.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
25.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
26.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
27.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
28.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
29.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
30.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
31.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
32.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
33.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
34.00000	12.00000	99.00000	0.0	-1.6292	1.6000		
35.00000	12.00000	99.00000	0.0	-1.0915	1.0720		
36.00000	12.00000	99.00000	-0.81206	0.0	0.93800		
37.00000	12.00000	99.00000	-0.58588	0.0	0.80400		
38.00000	12.00000	99.00000	-0.40232	0.0	0.67000		
39.00000	12.00000	99.00000	-0.25071	0.0	0.53600		
40.00000	12.00000	99.00000	-0.12038	0.0	0.40200		
41.00000	12.00000	99.00000	-637.41E-6	0.0	0.26800		
42.00000	12.00000	99.00000	0.0	0.0	0.13400		
43.00000	12.00000	99.00000	0.0	0.0	0.0		
44.00000	12.00000	99.00000	0.0	0.0	0.0		
45.00000	12.00000	99.00000	0.0	0.0	0.0		
46.00000	12.00000	99.00000	0.0	0.0	0.0		
47.00000	12.00000	99.00000	0.0	0.0	0.0		
48.00000	12.00000	99.00000	0.0	0.0	0.0		
49.00000	12.00000	99.00000	0.0	0.0	0.0		
50.00000	12.00000	99.00000	0.0	0.0	0.0		
51.00000	12.00000	99.00000	0.0	0.0	0.0		
52.00000	12.00000	99.00000	0.0	0.0	0.0		
53.00000	12.00000	99.00000	0.0	0.0	0.0		
54.00000	12.00000	99.00000	0.0	0.0	0.0		
55.00000	12.00000	99.00000	0.0	0.0	0.0		
56.00000	12.00000	99.00000	0.0	0.0	0.0		
57.00000	12.00000	99.00000	0.0	0.0	0.0		
58.00000	12.00000	99.00000	0.0	0.0	0.0		
59.00000	12.00000	99.00000	0.0	0.0	0.0		
60.00000	12.00000	99.00000	0.0	0.0	0.0		
61.00000	12.00000	99.00000	0.0	0.0	0.0		
62.00000	12.00000	99.00000	0.0	0.0	0.0		
63.00000	12.00000	99.00000	0.0	0.0	0.0		
64.00000	12.00000	99.00000	0.0	0.0	0.0		
65.00000	12.00000	99.00000	0.0	0.0	0.0		
-30.00000	13.00000	99.00000	0.0	0.0	0.0		
-29.00000	13.00000	99.00000	0.0	0.0	0.0		
-28.00000	13.00000	99.00000	0.0	0.0	0.0		
-27.00000	13.00000	99.00000	0.0	0.0	0.0		
-26.00000	13.00000	99.00000	0.0	0.0	0.0		
-25.00000	13.00000	99.00000	0.0	0.0	0.0		
-24.00000	13.00000	99.00000	0.0	0.0	0.0		
-23.00000	13.00000	99.00000	0.0	0.0	0.0		
-22.00000	13.00000	99.00000	0.0	0.0	0.0		
-21.00000	13.00000	99.00000	0.0	0.0	0.0		
-20.00000	13.00000	99.00000	0.0	0.0	0.0		
-19.00000	13.00000	99.00000	0.0	0.0	0.0		
-18.00000	13.00000	99.00000	0.0	0.0	0.0		
-17.00000	13.00000	99.00000	0.0	0.0	0.0		
-16.00000	13.00000	99.00000	0.0	0.0	0.0		
-15.00000	13.00000	99.00000	0.0	0.0	0.0		
-14.00000	13.00000	99.00000	0.0	0.0	0.0		
-13.00000	13.00000	99.00000	0.0	0.0	0.0		
-12.00000	13.00000	99.00000	0.0	0.0	0.0		
-11.00000	13.00000	99.00000	0.0	0.0	0.0		
-10.00000	13.00000	99.00000	0.0	0.0	0.0		
-9.00000	13.00000	99.00000	0.0	0.0	0.0		
-8.00000	13.00000	99.00000	0.0	0.0	0.0		
-7.00000	13.00000	99.00000	0.0	0.0	0.11877		
-6.00000	13.00000	99.00000	0.0	0.0	0.24320		
-5.00000	13.00000	99.00000	0.099353	-0.019871	0.36394		
-4.00000	13.00000	99.00000	0.20881	-0.052203	0.47839		
-3.00000	13.00000	99.00000	0.31948	-0.105649	0.58087		
-2.00000	13.00000	99.00000	0.40996	-0.20498	0.65668		
-1.00000	13.00000	99.00000	0.37599	-0.37599	0.65858		
0.00000	13.00000	99.00000	0.0	-0.81206	0.93800		
1.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
2.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
3.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
4.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
5.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
6.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
7.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
8.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
9.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
10.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
11.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
12.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
13.00000	13.00000	99.00000	0.0	-1.2120	1.4084		
14.00000	13.00000	99.00000	0.0	-1.2120	1.4202		
15.00000	13.00000	99.00000	0.0099521	-1.2140	1.4365		
16.00000	13.00000	99.00000	0.026392	-1.2186	1.4605		
17.00000	13.00000	99.00000	0.054501	-1.2302	1.4991		
18.00000	13.00000	99.00000	0.10621	-1.2651	1.5701		
19.00000	13.00000	99.00000	0.18799	-1.4000	1.7293		
20.00000	13.00000	99.00000	0.0	-1.6241	1.8760		
21.00000	13.00000	99.00000	-0.18799	-1.4000	1.7293		
22.00000	13.00000	99.00000	0.10621	-1.2651	1.5701		
23.00000	13.00000	99.00000	-0.054501	-1.2302	1.4991		
24.00000	13.00000	99.00000	-0.026392	-1.2186	1.4605		
25.00000	13.00000	99.00000	-0.0099521	-1.2140	1.4365		
26.00000	13.00000	99.00000	0.0	-1.2120	1.4202		
27.00000	13.00000	99.00000	0.0	-1.2120	1.4084		
28.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
29.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
30.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
31.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
32.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
33.00000	13.00000	99.00000	0.0	-1.2120	1.4000		



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
34.00000	13.00000	99.00000	0.0	-1.2120	1.4000		
35.00000	13.00000	99.00000	0.0	-0.81206	0.93800		
36.00000	13.00000	99.00000	-0.37599	-0.37599	0.65858		
37.00000	13.00000	99.00000	-0.40996	-0.20498	0.65668		
38.00000	13.00000	99.00000	-0.31948	-0.10649	0.58087		
39.00000	13.00000	99.00000	-0.20881	-0.052203	0.47839		
40.00000	13.00000	99.00000	-0.099353	-0.019871	0.36394		
41.00000	13.00000	99.00000	0.0	0.0	0.24320		
42.00000	13.00000	99.00000	0.0	0.0	0.11877		
43.00000	13.00000	99.00000	0.0	0.0	0.0		
44.00000	13.00000	99.00000	0.0	0.0	0.0		
45.00000	13.00000	99.00000	0.0	0.0	0.0		
46.00000	13.00000	99.00000	0.0	0.0	0.0		
47.00000	13.00000	99.00000	0.0	0.0	0.0		
48.00000	13.00000	99.00000	0.0	0.0	0.0		
49.00000	13.00000	99.00000	0.0	0.0	0.0		
50.00000	13.00000	99.00000	0.0	0.0	0.0		
51.00000	13.00000	99.00000	0.0	0.0	0.0		
52.00000	13.00000	99.00000	0.0	0.0	0.0		
53.00000	13.00000	99.00000	0.0	0.0	0.0		
54.00000	13.00000	99.00000	0.0	0.0	0.0		
55.00000	13.00000	99.00000	0.0	0.0	0.0		
56.00000	13.00000	99.00000	0.0	0.0	0.0		
57.00000	13.00000	99.00000	0.0	0.0	0.0		
58.00000	13.00000	99.00000	0.0	0.0	0.0		
59.00000	13.00000	99.00000	0.0	0.0	0.0		
60.00000	13.00000	99.00000	0.0	0.0	0.0		
61.00000	13.00000	99.00000	0.0	0.0	0.0		
62.00000	13.00000	99.00000	0.0	0.0	0.0		
63.00000	13.00000	99.00000	0.0	0.0	0.0		
64.00000	13.00000	99.00000	0.0	0.0	0.0		
65.00000	13.00000	99.00000	0.0	0.0	0.0		
-30.00000	14.00000	99.00000	0.0	0.0	0.0		
-29.00000	14.00000	99.00000	0.0	0.0	0.0		
-28.00000	14.00000	99.00000	0.0	0.0	0.0		
-27.00000	14.00000	99.00000	0.0	0.0	0.0		
-26.00000	14.00000	99.00000	0.0	0.0	0.0		
-25.00000	14.00000	99.00000	0.0	0.0	0.0		
-24.00000	14.00000	99.00000	0.0	0.0	0.0		
-23.00000	14.00000	99.00000	0.0	0.0	0.0		
-22.00000	14.00000	99.00000	0.0	0.0	0.0		
-21.00000	14.00000	99.00000	0.0	0.0	0.0		
-20.00000	14.00000	99.00000	0.0	0.0	0.0		
-19.00000	14.00000	99.00000	0.0	0.0	0.0		
-18.00000	14.00000	99.00000	0.0	0.0	0.0		
-17.00000	14.00000	99.00000	0.0	0.0	0.0		
-16.00000	14.00000	99.00000	0.0	0.0	0.0		
-15.00000	14.00000	99.00000	0.0	0.0	0.0		
-14.00000	14.00000	99.00000	0.0	0.0	0.0		
-13.00000	14.00000	99.00000	0.0	0.0	0.0		
-12.00000	14.00000	99.00000	0.0	0.0	0.0		
-11.00000	14.00000	99.00000	0.0	0.0	0.0		
-10.00000	14.00000	99.00000	0.0	0.0	0.0		
-9.00000	14.00000	99.00000	0.0	0.0	0.0		
-8.00000	14.00000	99.00000	0.0	0.0	0.0		
-7.00000	14.00000	99.00000	0.0	0.0	0.087792		
-6.00000	14.00000	99.00000	0.0	0.0	0.20117		
-5.00000	14.00000	99.00000	0.059925	-0.023970	0.30732		
-4.00000	14.00000	99.00000	0.14234	-0.071171	0.40192		
-3.00000	14.00000	99.00000	0.20717	-0.13812	0.47700		
-2.00000	14.00000	99.00000	0.22757	-0.22757	0.51716		
-1.00000	14.00000	99.00000	0.20498	-0.40996	0.65668		
0.00000	14.00000	99.00000	0.0	-0.58588	0.80400		
1.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
2.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
3.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
4.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
5.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
6.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
7.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
8.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
9.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
10.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
11.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
12.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
13.00000	14.00000	99.00000	0.0	-0.87445	1.2128		
14.00000	14.00000	99.00000	0.0	-0.87445	1.2343		
15.00000	14.00000	99.00000	0.012351	-0.87939	1.2633		
16.00000	14.00000	99.00000	0.036878	-0.89289	1.3041		
17.00000	14.00000	99.00000	0.071447	-0.92208	1.3645		
18.00000	14.00000	99.00000	0.11378	-0.98823	1.4586		
19.00000	14.00000	99.00000	0.15187	-1.1782	1.6865		
20.00000	14.00000	99.00000	0.0	-1.1718	1.6080		
21.00000	14.00000	99.00000	-0.15187	-1.1782	1.6865		
22.00000	14.00000	99.00000	-0.11378	-0.98823	1.4586		
23.00000	14.00000	99.00000	-0.071447	-0.92208	1.3645		
24.00000	14.00000	99.00000	-0.036878	-0.89289	1.3041		
25.00000	14.00000	99.00000	-0.012351	-0.87939	1.2633		
26.00000	14.00000	99.00000	0.0	-0.87445	1.2343		
27.00000	14.00000	99.00000	0.0	-0.87445	1.2128		
28.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
29.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
30.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
31.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
32.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
33.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
34.00000	14.00000	99.00000	0.0	-0.87445	1.2000		
35.00000	14.00000	99.00000	0.0	-0.58588	0.80400		
36.00000	14.00000	99.00000	-0.20498	-0.40996	0.65668		
37.00000	14.00000	99.00000	-0.22757	-0.22757	0.51716		
38.00000	14.00000	99.00000	-0.20717	-0.13812	0.47700		
39.00000	14.00000	99.00000	-0.14234	-0.071171	0.40192		
40.00000	14.00000	99.00000	-0.059925	-0.023970	0.30732		
41.00000	14.00000	99.00000	0.0	0.0	0.20117		
42.00000	14.00000	99.00000	0.0	0.0	0.087792		
43.00000	14.00000	99.00000	0.0	0.0	0.0		
44.00000	14.00000	99.00000	0.0	0.0	0.0		
45.00000	14.00000	99.00000	0.0	0.0	0.0		
46.00000	14.00000	99.00000	0.0	0.0	0.0		
47.00000	14.00000	99.00000	0.0	0.0	0.0		
48.00000	14.00000	99.00000	0.0	0.0	0.0		
49.00000	14.00000	99.00000	0.0	0.0	0.0		
50.00000	14.00000	99.00000	0.0	0.0	0.0		
51.00000	14.00000	99.00000	0.0	0.0	0.0		
52.00000	14.00000	99.00000	0.0	0.0	0.0		
53.00000	14.00000	99.00000	0.0	0.0	0.0		
54.00000	14.00000	99.00000	0.0	0.0	0.0		
55.00000	14.00000	99.00000	0.0	0.0	0.0		
56.00000	14.00000	99.00000	0.0	0.0	0.0		
57.00000	14.00000	99.00000	0.0	0.0	0.0		
58.00000	14.00000	99.00000	0.0	0.0	0.0		
59.00000	14.00000	99.00000	0.0	0.0	0.0		
60.00000	14.00000	99.00000	0.0	0.0	0.0		
61.00000	14.00000	99.00000	0.0	0.0	0.0		
62.00000	14.00000	99.00000	0.0	0.0	0.0		
63.00000	14.00000	99.00000	0.0	0.0	0.0		
64.00000	14.00000	99.00000	0.0	0.0	0.0		
65.00000	14.00000	99.00000	0.0	0.0	0.0		
-30.00000	15.00000	99.00000	0.0	0.0	0.0		
-29.00000	15.00000	99.00000	0.0	0.0	0.0		
-28.00000	15.00000	99.00000	0.0	0.0	0.0		
-27.00000	15.00000	99.00000	0.0	0.0	0.0		
-26.00000	15.00000	99.00000	0.0	0.0	0.0		
-25.00000	15.00000	99.00000	0.0	0.0	0.0		
-24.00000	15.00000	99.00000	0.0	0.0	0.0		
-23.00000	15.00000	99.00000	0.0	0.0	0.0		
-22.00000	15.00000	99.00000	0.0	0.0	0.0		
-21.00000	15.00000	99.00000	0.0	0.0	0.0		
-20.00000	15.00000	99.00000	0.0	0.0	0.0		
-19.00000	15.00000	99.00000	0.0	0.0	0.0		
-18.00000	15.00000	99.00000	0.0	0.0	0.0		



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
	-17.00000	15.00000	99.00000	0.0	0.0	0.0	
	-16.00000	15.00000	99.00000	0.0	0.0	0.0	
	-15.00000	15.00000	99.00000	0.0	0.0	0.0	
	-14.00000	15.00000	99.00000	0.0	0.0	0.0	
	-13.00000	15.00000	99.00000	0.0	0.0	0.0	
	-12.00000	15.00000	99.00000	0.0	0.0	0.0	
	-11.00000	15.00000	99.00000	0.0	0.0	0.0	
	-10.00000	15.00000	99.00000	0.0	0.0	0.0	
	-9.00000	15.00000	99.00000	0.0	0.0	0.0	
	-8.00000	15.00000	99.00000	0.0	0.0	0.0	
	-7.00000	15.00000	99.00000	0.0	0.0	0.044752	
	-6.00000	15.00000	99.00000	0.0	0.0	0.14717	
	-5.00000	15.00000	99.00000	0.014575	-0.0087450	0.23991	
	-4.00000	15.00000	99.00000	0.076282	-0.057211	0.31843	
	-3.00000	15.00000	99.00000	0.11479	-0.11479	0.37574	
	-2.00000	15.00000	99.00000	0.13812	-0.20717	0.47700	
	-1.00000	15.00000	99.00000	0.10649	-0.31948	0.58087	
	0.00000	15.00000	99.00000	0.0	-0.40232	0.67000	
	1.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	2.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	3.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	4.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	5.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	6.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	7.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	8.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	9.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	10.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	11.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	12.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	13.00000	15.00000	99.00000	0.0	-0.60048	1.0099	
	14.00000	15.00000	99.00000	0.0	-0.60048	1.0381	
	15.00000	15.00000	99.00000	0.0045336	-0.60320	1.0746	
	16.00000	15.00000	99.00000	0.029441	-0.62256	1.1229	
	17.00000	15.00000	99.00000	0.057397	-0.65788	1.1879	
	18.00000	15.00000	99.00000	0.090485	-0.73621	1.3125	
	19.00000	15.00000	99.00000	0.088327	-0.86547	1.4818	
	20.00000	15.00000	99.00000	0.0	-0.80465	1.3400	
	21.00000	15.00000	99.00000	-0.088327	-0.86547	1.4818	
	22.00000	15.00000	99.00000	-0.090485	-0.73621	1.3125	
	23.00000	15.00000	99.00000	-0.057397	-0.65788	1.1879	
	24.00000	15.00000	99.00000	-0.029441	-0.62256	1.1229	
	25.00000	15.00000	99.00000	-0.0045336	-0.60320	1.0746	
	26.00000	15.00000	99.00000	0.0	-0.60048	1.0381	
	27.00000	15.00000	99.00000	0.0	-0.60048	1.0099	
	28.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	29.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	30.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	31.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	32.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	33.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	34.00000	15.00000	99.00000	0.0	-0.60048	1.0000	
	35.00000	15.00000	99.00000	0.0	-0.40232	0.67000	
	36.00000	15.00000	99.00000	-0.10649	-0.31948	0.58087	
	37.00000	15.00000	99.00000	-0.13812	-0.20717	0.47700	
	38.00000	15.00000	99.00000	-0.11479	-0.11479	0.37574	
	39.00000	15.00000	99.00000	-0.076282	-0.057211	0.31843	
	40.00000	15.00000	99.00000	-0.014575	-0.0087450	0.23991	
	41.00000	15.00000	99.00000	0.0	0.0	0.14717	
	42.00000	15.00000	99.00000	0.0	0.0	0.044752	
	43.00000	15.00000	99.00000	0.0	0.0	0.0	
	44.00000	15.00000	99.00000	0.0	0.0	0.0	
	45.00000	15.00000	99.00000	0.0	0.0	0.0	
	46.00000	15.00000	99.00000	0.0	0.0	0.0	
	47.00000	15.00000	99.00000	0.0	0.0	0.0	
	48.00000	15.00000	99.00000	0.0	0.0	0.0	
	49.00000	15.00000	99.00000	0.0	0.0	0.0	
	50.00000	15.00000	99.00000	0.0	0.0	0.0	
	51.00000	15.00000	99.00000	0.0	0.0	0.0	
	52.00000	15.00000	99.00000	0.0	0.0	0.0	
	53.00000	15.00000	99.00000	0.0	0.0	0.0	
	54.00000	15.00000	99.00000	0.0	0.0	0.0	
	55.00000	15.00000	99.00000	0.0	0.0	0.0	
	56.00000	15.00000	99.00000	0.0	0.0	0.0	
	57.00000	15.00000	99.00000	0.0	0.0	0.0	
	58.00000	15.00000	99.00000	0.0	0.0	0.0	
	59.00000	15.00000	99.00000	0.0	0.0	0.0	
	60.00000	15.00000	99.00000	0.0	0.0	0.0	
	61.00000	15.00000	99.00000	0.0	0.0	0.0	
	62.00000	15.00000	99.00000	0.0	0.0	0.0	
	63.00000	15.00000	99.00000	0.0	0.0	0.0	
	64.00000	15.00000	99.00000	0.0	0.0	0.0	
	65.00000	15.00000	99.00000	0.0	0.0	0.0	
	-30.00000	16.00000	99.00000	0.0	0.0	0.0	
	-29.00000	16.00000	99.00000	0.0	0.0	0.0	
	-28.00000	16.00000	99.00000	0.0	0.0	0.0	
	-27.00000	16.00000	99.00000	0.0	0.0	0.0	
	-26.00000	16.00000	99.00000	0.0	0.0	0.0	
	-25.00000	16.00000	99.00000	0.0	0.0	0.0	
	-24.00000	16.00000	99.00000	0.0	0.0	0.0	
	-23.00000	16.00000	99.00000	0.0	0.0	0.0	
	-22.00000	16.00000	99.00000	0.0	0.0	0.0	
	-21.00000	16.00000	99.00000	0.0	0.0	0.0	
	-20.00000	16.00000	99.00000	0.0	0.0	0.0	
	-19.00000	16.00000	99.00000	0.0	0.0	0.0	
	-18.00000	16.00000	99.00000	0.0	0.0	0.0	
	-17.00000	16.00000	99.00000	0.0	0.0	0.0	
	-16.00000	16.00000	99.00000	0.0	0.0	0.0	
	-15.00000	16.00000	99.00000	0.0	0.0	0.0	
	-14.00000	16.00000	99.00000	0.0	0.0	0.0	
	-13.00000	16.00000	99.00000	0.0	0.0	0.0	
	-12.00000	16.00000	99.00000	0.0	0.0	0.0	
	-11.00000	16.00000	99.00000	0.0	0.0	0.0	
	-10.00000	16.00000	99.00000	0.0	0.0	0.0	
	-9.00000	16.00000	99.00000	0.0	0.0	0.0	
	-8.00000	16.00000	99.00000	0.0	0.0	0.0	
	-7.00000	16.00000	99.00000	0.0	0.0	0.0	
	-6.00000	16.00000	99.00000	0.0	0.0	0.085631	
	-5.00000	16.00000	99.00000	0.0	0.0	0.16734	
	-4.00000	16.00000	99.00000	0.021739	-0.021739	0.23431	
	-3.00000	16.00000	99.00000	0.057211	-0.076282	0.31843	
	-2.00000	16.00000	99.00000	0.071171	-0.14234	0.40192	
	-1.00000	16.00000	99.00000	0.052203	-0.20881	0.47839	
	0.00000	16.00000	99.00000	0.0	-0.25071	0.53600	
	1.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	2.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	3.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	4.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	5.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	6.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	7.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	8.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	9.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	10.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	11.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	12.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	13.00000	16.00000	99.00000	0.0	-0.37420	0.80000	
	14.00000	16.00000	99.00000	0.0	-0.37420	0.82953	
	15.00000	16.00000	99.00000	0.0	-0.37420	0.86859	
	16.00000	16.00000	99.00000	0.010869	-0.38507	0.91716	
	17.00000	16.00000	99.00000	0.035130	-0.42104	0.99553	
	18.00000	16.00000	99.00000	0.052732	-0.47966	1.0978	
	19.00000	16.00000	99.00000	0.045605	-0.55662	1.2179	
	20.00000	16.00000	99.00000	0.0	-0.50143	1.0720	
	21.00000	16.00000	99.00000	-0.045605	-0.55662	1.2179	
	22.00000	16.00000	99.00000	-0.052732	-0.47966	1.0978	
	23.00000	16.00000	99.00000	-0.035130	-0.42104	0.99553	
	24.00000	16.00000	99.00000	-0.010869	-0.38507	0.91716	
	25.00000	16.00000	99.00000	0.0	-0.37420	0.86859	
	26.00000	16.00000	99.00000	0.0	-0.37420	0.82953	
	27.00000	16.00000	99.00000	0.0	-0.37420	0.80000	



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No. Name	Dist. [m]	Coordinates			Displacements		
		x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
28.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
29.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
30.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
31.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
32.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
33.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
34.00000	16.00000	99.00000	0.0	-0.37420	0.80000		
35.00000	16.00000	99.00000	0.0	-0.25071	0.53600		
36.00000	16.00000	99.00000	-0.052203	-0.20881	0.47839		
37.00000	16.00000	99.00000	-0.071171	-0.14234	0.40192		
38.00000	16.00000	99.00000	-0.0570211	-0.075282	0.31843		
39.00000	16.00000	99.00000	-0.021739	-0.021739	0.23431		
40.00000	16.00000	99.00000	0.0	0.0	0.16734		
41.00000	16.00000	99.00000	0.0	0.0	0.085631		
42.00000	16.00000	99.00000	0.0	0.0	0.0		
43.00000	16.00000	99.00000	0.0	0.0	0.0		
44.00000	16.00000	99.00000	0.0	0.0	0.0		
45.00000	16.00000	99.00000	0.0	0.0	0.0		
46.00000	16.00000	99.00000	0.0	0.0	0.0		
47.00000	16.00000	99.00000	0.0	0.0	0.0		
48.00000	16.00000	99.00000	0.0	0.0	0.0		
49.00000	16.00000	99.00000	0.0	0.0	0.0		
50.00000	16.00000	99.00000	0.0	0.0	0.0		
51.00000	16.00000	99.00000	0.0	0.0	0.0		
52.00000	16.00000	99.00000	0.0	0.0	0.0		
53.00000	16.00000	99.00000	0.0	0.0	0.0		
54.00000	16.00000	99.00000	0.0	0.0	0.0		
55.00000	16.00000	99.00000	0.0	0.0	0.0		
56.00000	16.00000	99.00000	0.0	0.0	0.0		
57.00000	16.00000	99.00000	0.0	0.0	0.0		
58.00000	16.00000	99.00000	0.0	0.0	0.0		
59.00000	16.00000	99.00000	0.0	0.0	0.0		
60.00000	16.00000	99.00000	0.0	0.0	0.0		
61.00000	16.00000	99.00000	0.0	0.0	0.0		
62.00000	16.00000	99.00000	0.0	0.0	0.0		
63.00000	16.00000	99.00000	0.0	0.0	0.0		
64.00000	16.00000	99.00000	0.0	0.0	0.0		
65.00000	16.00000	99.00000	0.0	0.0	0.0		
-30.00000	17.00000	99.00000	0.0	0.0	0.0		
-29.00000	17.00000	99.00000	0.0	0.0	0.0		
-28.00000	17.00000	99.00000	0.0	0.0	0.0		
-27.00000	17.00000	99.00000	0.0	0.0	0.0		
-26.00000	17.00000	99.00000	0.0	0.0	0.0		
-25.00000	17.00000	99.00000	0.0	0.0	0.0		
-24.00000	17.00000	99.00000	0.0	0.0	0.0		
-23.00000	17.00000	99.00000	0.0	0.0	0.0		
-22.00000	17.00000	99.00000	0.0	0.0	0.0		
-21.00000	17.00000	99.00000	0.0	0.0	0.0		
-20.00000	17.00000	99.00000	0.0	0.0	0.0		
-19.00000	17.00000	99.00000	0.0	0.0	0.0		
-18.00000	17.00000	99.00000	0.0	0.0	0.0		
-17.00000	17.00000	99.00000	0.0	0.0	0.0		
-16.00000	17.00000	99.00000	0.0	0.0	0.0		
-15.00000	17.00000	99.00000	0.0	0.0	0.0		
-14.00000	17.00000	99.00000	0.0	0.0	0.0		
-13.00000	17.00000	99.00000	0.0	0.0	0.0		
-12.00000	17.00000	99.00000	0.0	0.0	0.0		
-11.00000	17.00000	99.00000	0.0	0.0	0.0		
-10.00000	17.00000	99.00000	0.0	0.0	0.0		
-9.00000	17.00000	99.00000	0.0	0.0	0.0		
-8.00000	17.00000	99.00000	0.0	0.0	0.0		
-7.00000	17.00000	99.00000	0.0	0.0	0.0		
-6.00000	17.00000	99.00000	0.0	0.0	0.019720		
-5.00000	17.00000	99.00000	0.0	0.0	0.092893		
-4.00000	17.00000	99.00000	0.0	0.0	0.16734		
-3.00000	17.00000	99.00000	0.0087450	-0.014575	0.23991		
-2.00000	17.00000	99.00000	0.023970	-0.059925	0.30732		
-1.00000	17.00000	99.00000	0.019871	-0.099353	0.36394		
0.00000	17.00000	99.00000	0.0	-0.12038	0.40200		
1.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
2.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
3.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
4.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
5.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
6.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
7.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
8.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
9.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
10.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
11.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
12.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
13.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
14.00000	17.00000	99.00000	0.0	-0.17967	0.60839		
15.00000	17.00000	99.00000	0.0	-0.17967	0.64645		
16.00000	17.00000	99.00000	0.0	-0.17967	0.69874		
17.00000	17.00000	99.00000	0.0060248	-0.18971	0.76528		
18.00000	17.00000	99.00000	0.019029	-0.22724	0.84397		
19.00000	17.00000	99.00000	0.017880	-0.26907	0.92749		
20.00000	17.00000	99.00000	0.0	-0.24075	0.80400		
21.00000	17.00000	99.00000	-0.017880	-0.26907	0.92749		
22.00000	17.00000	99.00000	-0.019029	-0.22724	0.84397		
23.00000	17.00000	99.00000	-0.0060248	-0.18971	0.76528		
24.00000	17.00000	99.00000	0.0	-0.17967	0.69874		
25.00000	17.00000	99.00000	0.0	-0.17967	0.64645		
26.00000	17.00000	99.00000	0.0	-0.17967	0.60839		
27.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
28.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
29.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
30.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
31.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
32.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
33.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
34.00000	17.00000	99.00000	0.0	-0.17967	0.60000		
35.00000	17.00000	99.00000	0.0	-0.12038	0.40200		
36.00000	17.00000	99.00000	-0.019871	-0.099353	0.36394		
37.00000	17.00000	99.00000	-0.023970	-0.059925	0.30732		
38.00000	17.00000	99.00000	-0.0087450	-0.014575	0.23991		
39.00000	17.00000	99.00000	0.0	0.0	0.16734		
40.00000	17.00000	99.00000	0.0	0.0	0.092893		
41.00000	17.00000	99.00000	0.0	0.0	0.019720		
42.00000	17.00000	99.00000	0.0	0.0	0.0		
43.00000	17.00000	99.00000	0.0	0.0	0.0		
44.00000	17.00000	99.00000	0.0	0.0	0.0		
45.00000	17.00000	99.00000	0.0	0.0	0.0		
46.00000	17.00000	99.00000	0.0	0.0	0.0		
47.00000	17.00000	99.00000	0.0	0.0	0.0		
48.00000	17.00000	99.00000	0.0	0.0	0.0		
49.00000	17.00000	99.00000	0.0	0.0	0.0		
50.00000	17.00000	99.00000	0.0	0.0	0.0		
51.00000	17.00000	99.00000	0.0	0.0	0.0		
52.00000	17.00000	99.00000	0.0	0.0	0.0		
53.00000	17.00000	99.00000	0.0	0.0	0.0		
54.00000	17.00000	99.00000	0.0	0.0	0.0		
55.00000	17.00000	99.00000	0.0	0.0	0.0		
56.00000	17.00000	99.00000	0.0	0.0	0.0		
57.00000	17.00000	99.00000	0.0	0.0	0.0		
58.00000	17.00000	99.00000	0.0	0.0	0.0		
59.00000	17.00000	99.00000	0.0	0.0	0.0		
60.00000	17.00000	99.00000	0.0	0.0	0.0		
61.00000	17.00000	99.00000	0.0	0.0	0.0		
62.00000	17.00000	99.00000	0.0	0.0	0.0		
63.00000	17.00000	99.00000	0.0	0.0	0.0		
64.00000	17.00000	99.00000	0.0	0.0	0.0		
65.00000	17.00000	99.00000	0.0	0.0	0.0		
-30.00000	18.00000	99.00000	0.0	0.0	0.0		
-29.00000	18.00000	99.00000	0.0	0.0	0.0		
-28.00000	18.00000	99.00000	0.0	0.0	0.0		
-27.00000	18.00000	99.00000	0.0	0.0	0.0		
-26.00000	18.00000	99.00000	0.0	0.0	0.0		
-25.00000	18.00000	99.00000	0.0	0.0	0.0		
-24.00000	18.00000	99.00000	0.0	0.0	0.0		



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No.		Coordinates			Displacements		
Name	Dist. [m]	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
		-23.00000	18.00000	99.00000	0.0	0.0	0.0
		-22.00000	18.00000	99.00000	0.0	0.0	0.0
		-21.00000	18.00000	99.00000	0.0	0.0	0.0
		-20.00000	18.00000	99.00000	0.0	0.0	0.0
		-19.00000	18.00000	99.00000	0.0	0.0	0.0
		-18.00000	18.00000	99.00000	0.0	0.0	0.0
		-17.00000	18.00000	99.00000	0.0	0.0	0.0
		-16.00000	18.00000	99.00000	0.0	0.0	0.0
		-15.00000	18.00000	99.00000	0.0	0.0	0.0
		-14.00000	18.00000	99.00000	0.0	0.0	0.0
		-13.00000	18.00000	99.00000	0.0	0.0	0.0
		-12.00000	18.00000	99.00000	0.0	0.0	0.0
		-11.00000	18.00000	99.00000	0.0	0.0	0.0
		-10.00000	18.00000	99.00000	0.0	0.0	0.0
		-9.00000	18.00000	99.00000	0.0	0.0	0.0
		-8.00000	18.00000	99.00000	0.0	0.0	0.0
		-7.00000	18.00000	99.00000	0.0	0.0	0.0
		-6.00000	18.00000	99.00000	0.0	0.0	0.0
		-5.00000	18.00000	99.00000	0.0	0.0	0.019720
		-4.00000	18.00000	99.00000	0.0	0.0	0.085631
		-3.00000	18.00000	99.00000	0.0	0.0	0.14717
		-2.00000	18.00000	99.00000	0.0	0.0	0.20117
		-1.00000	18.00000	99.00000	0.0	0.0	0.24320
		0.00000	18.00000	99.00000	0.0	-637.41E-6	0.26800
		1.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		2.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		3.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		4.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		5.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		6.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		7.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		8.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		9.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		10.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		11.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		12.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		13.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		14.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		15.00000	18.00000	99.00000	0.0	-951.35E-6	0.41133
		16.00000	18.00000	99.00000	0.0	-951.35E-6	0.45610
		17.00000	18.00000	99.00000	0.0	-951.35E-6	0.50904
		18.00000	18.00000	99.00000	0.0	-951.35E-6	0.56685
		19.00000	18.00000	99.00000	0.0	-951.35E-6	0.62305
		20.00000	18.00000	99.00000	0.0	-0.0012748	0.53600
		21.00000	18.00000	99.00000	0.0	-951.35E-6	0.62305
		22.00000	18.00000	99.00000	0.0	-951.35E-6	0.56685
		23.00000	18.00000	99.00000	0.0	-951.35E-6	0.50904
		24.00000	18.00000	99.00000	0.0	-951.35E-6	0.45610
		25.00000	18.00000	99.00000	0.0	-951.35E-6	0.41133
		26.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		27.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		28.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		29.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		30.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		31.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		32.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		33.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		34.00000	18.00000	99.00000	0.0	-951.35E-6	0.40000
		35.00000	18.00000	99.00000	0.0	-637.41E-6	0.26800
		36.00000	18.00000	99.00000	0.0	0.0	0.24320
		37.00000	18.00000	99.00000	0.0	0.0	0.20117
		38.00000	18.00000	99.00000	0.0	0.0	0.14717
		39.00000	18.00000	99.00000	0.0	0.0	0.085631
		40.00000	18.00000	99.00000	0.0	0.0	0.019720
		41.00000	18.00000	99.00000	0.0	0.0	0.0
		42.00000	18.00000	99.00000	0.0	0.0	0.0
		43.00000	18.00000	99.00000	0.0	0.0	0.0
		44.00000	18.00000	99.00000	0.0	0.0	0.0
		45.00000	18.00000	99.00000	0.0	0.0	0.0
		46.00000	18.00000	99.00000	0.0	0.0	0.0
		47.00000	18.00000	99.00000	0.0	0.0	0.0
		48.00000	18.00000	99.00000	0.0	0.0	0.0
		49.00000	18.00000	99.00000	0.0	0.0	0.0
		50.00000	18.00000	99.00000	0.0	0.0	0.0
		51.00000	18.00000	99.00000	0.0	0.0	0.0
		52.00000	18.00000	99.00000	0.0	0.0	0.0
		53.00000	18.00000	99.00000	0.0	0.0	0.0
		54.00000	18.00000	99.00000	0.0	0.0	0.0
		55.00000	18.00000	99.00000	0.0	0.0	0.0
		56.00000	18.00000	99.00000	0.0	0.0	0.0
		57.00000	18.00000	99.00000	0.0	0.0	0.0
		58.00000	18.00000	99.00000	0.0	0.0	0.0
		59.00000	18.00000	99.00000	0.0	0.0	0.0
		60.00000	18.00000	99.00000	0.0	0.0	0.0
		61.00000	18.00000	99.00000	0.0	0.0	0.0
		62.00000	18.00000	99.00000	0.0	0.0	0.0
		63.00000	18.00000	99.00000	0.0	0.0	0.0
		64.00000	18.00000	99.00000	0.0	0.0	0.0
		65.00000	18.00000	99.00000	0.0	0.0	0.0
		-30.00000	19.00000	99.00000	0.0	0.0	0.0
		-29.00000	19.00000	99.00000	0.0	0.0	0.0
		-28.00000	19.00000	99.00000	0.0	0.0	0.0
		-27.00000	19.00000	99.00000	0.0	0.0	0.0
		-26.00000	19.00000	99.00000	0.0	0.0	0.0
		-25.00000	19.00000	99.00000	0.0	0.0	0.0
		-24.00000	19.00000	99.00000	0.0	0.0	0.0
		-23.00000	19.00000	99.00000	0.0	0.0	0.0
		-22.00000	19.00000	99.00000	0.0	0.0	0.0
		-21.00000	19.00000	99.00000	0.0	0.0	0.0
		-20.00000	19.00000	99.00000	0.0	0.0	0.0
		-19.00000	19.00000	99.00000	0.0	0.0	0.0
		-18.00000	19.00000	99.00000	0.0	0.0	0.0
		-17.00000	19.00000	99.00000	0.0	0.0	0.0
		-16.00000	19.00000	99.00000	0.0	0.0	0.0
		-15.00000	19.00000	99.00000	0.0	0.0	0.0
		-14.00000	19.00000	99.00000	0.0	0.0	0.0
		-13.00000	19.00000	99.00000	0.0	0.0	0.0
		-12.00000	19.00000	99.00000	0.0	0.0	0.0
		-11.00000	19.00000	99.00000	0.0	0.0	0.0
		-10.00000	19.00000	99.00000	0.0	0.0	0.0
		-9.00000	19.00000	99.00000	0.0	0.0	0.0
		-8.00000	19.00000	99.00000	0.0	0.0	0.0
		-7.00000	19.00000	99.00000	0.0	0.0	0.0
		-6.00000	19.00000	99.00000	0.0	0.0	0.0
		-5.00000	19.00000	99.00000	0.0	0.0	0.0
		-4.00000	19.00000	99.00000	0.0	0.0	0.0
		-3.00000	19.00000	99.00000	0.0	0.0	0.044752
		-2.00000	19.00000	99.00000	0.0	0.0	0.087792
		-1.00000	19.00000	99.00000	0.0	0.0	0.11877
		0.00000	19.00000	99.00000	0.0	0.0	0.13400
		1.00000	19.00000	99.00000	0.0	0.0	0.20000
		2.00000	19.00000	99.00000	0.0	0.0	0.20000
		3.00000	19.00000	99.00000	0.0	0.0	0.20000
		4.00000	19.00000	99.00000	0.0	0.0	0.20000
		5.00000	19.00000	99.00000	0.0	0.0	0.20000
		6.00000	19.00000	99.00000	0.0	0.0	0.20000
		7.00000	19.00000	99.00000	0.0	0.0	0.20000
		8.00000	19.00000	99.00000	0.0	0.0	0.20000
		9.00000	19.00000	99.00000	0.0	0.0	0.20000
		10.00000	19.00000	99.00000	0.0	0.0	0.20000
		11.00000	19.00000	99.00000	0.0	0.0	0.20000
		12.00000	19.00000	99.00000	0.0	0.0	0.20000
		13.00000	19.00000	99.00000	0.0	0.0	0.20000
		14.00000	19.00000	99.00000	0.0	0.0	0.20000
		15.00000	19.00000	99.00000	0.0	0.0	0.20000
		16.00000	19.00000	99.00000	0.0	0.0	0.20000
		17.00000	19.00000	99.00000	0.0	0.0	0.23485
		18.00000	19.00000	99.00000	0.0	0.0	0.27504
		19.00000	19.00000	99.00000	0.0	0.0	0.31038
		20.00000	19.00000	99.00000	0.0	0.0	0.26800
		21.00000	19.00000	99.00000	0.0	0.0	0.31038



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No.		Coordinates			Displacements		
Name	Dist. [m]	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
22.00000	19.00000	99.00000	0.0	0.0	0.27504		
23.00000	19.00000	99.00000	0.0	0.0	0.23485		
24.00000	19.00000	99.00000	0.0	0.0	0.20000		
25.00000	19.00000	99.00000	0.0	0.0	0.20000		
26.00000	19.00000	99.00000	0.0	0.0	0.20000		
27.00000	19.00000	99.00000	0.0	0.0	0.20000		
28.00000	19.00000	99.00000	0.0	0.0	0.20000		
29.00000	19.00000	99.00000	0.0	0.0	0.20000		
30.00000	19.00000	99.00000	0.0	0.0	0.20000		
31.00000	19.00000	99.00000	0.0	0.0	0.20000		
32.00000	19.00000	99.00000	0.0	0.0	0.20000		
33.00000	19.00000	99.00000	0.0	0.0	0.20000		
34.00000	19.00000	99.00000	0.0	0.0	0.20000		
35.00000	19.00000	99.00000	0.0	0.0	0.13400		
36.00000	19.00000	99.00000	0.0	0.0	0.11877		
37.00000	19.00000	99.00000	0.0	0.0	0.087792		
38.00000	19.00000	99.00000	0.0	0.0	0.044752		
39.00000	19.00000	99.00000	0.0	0.0	0.0		
40.00000	19.00000	99.00000	0.0	0.0	0.0		
41.00000	19.00000	99.00000	0.0	0.0	0.0		
42.00000	19.00000	99.00000	0.0	0.0	0.0		
43.00000	19.00000	99.00000	0.0	0.0	0.0		
44.00000	19.00000	99.00000	0.0	0.0	0.0		
45.00000	19.00000	99.00000	0.0	0.0	0.0		
46.00000	19.00000	99.00000	0.0	0.0	0.0		
47.00000	19.00000	99.00000	0.0	0.0	0.0		
48.00000	19.00000	99.00000	0.0	0.0	0.0		
49.00000	19.00000	99.00000	0.0	0.0	0.0		
50.00000	19.00000	99.00000	0.0	0.0	0.0		
51.00000	19.00000	99.00000	0.0	0.0	0.0		
52.00000	19.00000	99.00000	0.0	0.0	0.0		
53.00000	19.00000	99.00000	0.0	0.0	0.0		
54.00000	19.00000	99.00000	0.0	0.0	0.0		
55.00000	19.00000	99.00000	0.0	0.0	0.0		
56.00000	19.00000	99.00000	0.0	0.0	0.0		
57.00000	19.00000	99.00000	0.0	0.0	0.0		
58.00000	19.00000	99.00000	0.0	0.0	0.0		
59.00000	19.00000	99.00000	0.0	0.0	0.0		
60.00000	19.00000	99.00000	0.0	0.0	0.0		
61.00000	19.00000	99.00000	0.0	0.0	0.0		
62.00000	19.00000	99.00000	0.0	0.0	0.0		
63.00000	19.00000	99.00000	0.0	0.0	0.0		
64.00000	19.00000	99.00000	0.0	0.0	0.0		
65.00000	19.00000	99.00000	0.0	0.0	0.0		
-30.00000	20.00000	99.00000	0.0	0.0	0.0		
-29.00000	20.00000	99.00000	0.0	0.0	0.0		
-28.00000	20.00000	99.00000	0.0	0.0	0.0		
-27.00000	20.00000	99.00000	0.0	0.0	0.0		
-26.00000	20.00000	99.00000	0.0	0.0	0.0		
-25.00000	20.00000	99.00000	0.0	0.0	0.0		
-24.00000	20.00000	99.00000	0.0	0.0	0.0		
-23.00000	20.00000	99.00000	0.0	0.0	0.0		
-22.00000	20.00000	99.00000	0.0	0.0	0.0		
-21.00000	20.00000	99.00000	0.0	0.0	0.0		
-20.00000	20.00000	99.00000	0.0	0.0	0.0		
-19.00000	20.00000	99.00000	0.0	0.0	0.0		
-18.00000	20.00000	99.00000	0.0	0.0	0.0		
-17.00000	20.00000	99.00000	0.0	0.0	0.0		
-16.00000	20.00000	99.00000	0.0	0.0	0.0		
-15.00000	20.00000	99.00000	0.0	0.0	0.0		
-14.00000	20.00000	99.00000	0.0	0.0	0.0		
-13.00000	20.00000	99.00000	0.0	0.0	0.0		
-12.00000	20.00000	99.00000	0.0	0.0	0.0		
-11.00000	20.00000	99.00000	0.0	0.0	0.0		
-10.00000	20.00000	99.00000	0.0	0.0	0.0		
-9.00000	20.00000	99.00000	0.0	0.0	0.0		
-8.00000	20.00000	99.00000	0.0	0.0	0.0		
-7.00000	20.00000	99.00000	0.0	0.0	0.0		
-6.00000	20.00000	99.00000	0.0	0.0	0.0		
-5.00000	20.00000	99.00000	0.0	0.0	0.0		
-4.00000	20.00000	99.00000	0.0	0.0	0.0		
-3.00000	20.00000	99.00000	0.0	0.0	0.0		
-2.00000	20.00000	99.00000	0.0	0.0	0.0		
-1.00000	20.00000	99.00000	0.0	0.0	0.0		
0.00000	20.00000	99.00000	0.0	0.0	0.0		
1.00000	20.00000	99.00000	0.0	0.0	0.0		
2.00000	20.00000	99.00000	0.0	0.0	0.0		
3.00000	20.00000	99.00000	0.0	0.0	0.0		
4.00000	20.00000	99.00000	0.0	0.0	0.0		
5.00000	20.00000	99.00000	0.0	0.0	0.0		
6.00000	20.00000	99.00000	0.0	0.0	0.0		
7.00000	20.00000	99.00000	0.0	0.0	0.0		
8.00000	20.00000	99.00000	0.0	0.0	0.0		
9.00000	20.00000	99.00000	0.0	0.0	0.0		
10.00000	20.00000	99.00000	0.0	0.0	0.0		
11.00000	20.00000	99.00000	0.0	0.0	0.0		
12.00000	20.00000	99.00000	0.0	0.0	0.0		
13.00000	20.00000	99.00000	0.0	0.0	0.0		
14.00000	20.00000	99.00000	0.0	0.0	0.0		
15.00000	20.00000	99.00000	0.0	0.0	0.0		
16.00000	20.00000	99.00000	0.0	0.0	0.0		
17.00000	20.00000	99.00000	0.0	0.0	0.0		
18.00000	20.00000	99.00000	0.0	0.0	0.0		
19.00000	20.00000	99.00000	0.0	0.0	0.0		
20.00000	20.00000	99.00000	0.0	0.0	0.0		
21.00000	20.00000	99.00000	0.0	0.0	0.0		
22.00000	20.00000	99.00000	0.0	0.0	0.0		
23.00000	20.00000	99.00000	0.0	0.0	0.0		
24.00000	20.00000	99.00000	0.0	0.0	0.0		
25.00000	20.00000	99.00000	0.0	0.0	0.0		
26.00000	20.00000	99.00000	0.0	0.0	0.0		
27.00000	20.00000	99.00000	0.0	0.0	0.0		
28.00000	20.00000	99.00000	0.0	0.0	0.0		
29.00000	20.00000	99.00000	0.0	0.0	0.0		
30.00000	20.00000	99.00000	0.0	0.0	0.0		
31.00000	20.00000	99.00000	0.0	0.0	0.0		
32.00000	20.00000	99.00000	0.0	0.0	0.0		
33.00000	20.00000	99.00000	0.0	0.0	0.0		
34.00000	20.00000	99.00000	0.0	0.0	0.0		
35.00000	20.00000	99.00000	0.0	0.0	0.0		
36.00000	20.00000	99.00000	0.0	0.0	0.0		
37.00000	20.00000	99.00000	0.0	0.0	0.0		
38.00000	20.00000	99.00000	0.0	0.0	0.0		
39.00000	20.00000	99.00000	0.0	0.0	0.0		
40.00000	20.00000	99.00000	0.0	0.0	0.0		
41.00000	20.00000	99.00000	0.0	0.0	0.0		
42.00000	20.00000	99.00000	0.0	0.0	0.0		
43.00000	20.00000	99.00000	0.0	0.0	0.0		
44.00000	20.00000	99.00000	0.0	0.0	0.0		
45.00000	20.00000	99.00000	0.0	0.0	0.0		
46.00000	20.00000	99.00000	0.0	0.0	0.0		
47.00000	20.00000	99.00000	0.0	0.0	0.0		
48.00000	20.00000	99.00000	0.0	0.0	0.0		
49.00000	20.00000	99.00000	0.0	0.0	0.0		
50.00000	20.00000	99.00000	0.0	0.0	0.0		
51.00000	20.00000	99.00000	0.0	0.0	0.0		
52.00000	20.00000	99.00000	0.0	0.0	0.0		
53.00000	20.00000	99.00000	0.0	0.0	0.0		
54.00000	20.00000	99.00000	0.0	0.0	0.0		
55.00000	20.00000	99.00000	0.0	0.0	0.0		
56.00000	20.00000	99.00000	0.0	0.0	0.0		
57.00000	20.00000	99.00000	0.0	0.0	0.0		
58.00000	20.00000	99.00000	0.0	0.0	0.0		
59.00000	20.00000	99.00000	0.0	0.0	0.0		
60.00000	20.00000	99.00000	0.0	0.0	0.0		
61.00000	20.00000	99.00000	0.0	0.0	0.0		
62.00000	20.00000	99.00000	0.0	0.0	0.0		
63.00000	20.00000	99.00000	0.0	0.0	0.0		
64.00000	20.00000	99.00000	0.0	0.0	0.0		
65.00000	20.00000	99.00000	0.0	0.0	0.0		
-30.00000	21.00000	99.00000	0.0	0.0	0.0		



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No. Sheet No. Rev.

J14267A

Drg. Ref.

Made by MP

Date 02-Jul-2015

Checked

Type/No.		Coordinates			Displacements		
Name	Dist. [m]	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
		-20.00000	40.00000	99.00000	0.0	0.0	0.0
		-19.00000	40.00000	99.00000	0.0	0.0	0.0
		-18.00000	40.00000	99.00000	0.0	0.0	0.0
		-17.00000	40.00000	99.00000	0.0	0.0	0.0
		-16.00000	40.00000	99.00000	0.0	0.0	0.0
		-15.00000	40.00000	99.00000	0.0	0.0	0.0
		-14.00000	40.00000	99.00000	0.0	0.0	0.0
		-13.00000	40.00000	99.00000	0.0	0.0	0.0
		-12.00000	40.00000	99.00000	0.0	0.0	0.0
		-11.00000	40.00000	99.00000	0.0	0.0	0.0
		-10.00000	40.00000	99.00000	0.0	0.0	0.0
		-9.00000	40.00000	99.00000	0.0	0.0	0.0
		-8.00000	40.00000	99.00000	0.0	0.0	0.0
		-7.00000	40.00000	99.00000	0.0	0.0	0.0
		-6.00000	40.00000	99.00000	0.0	0.0	0.0
		-5.00000	40.00000	99.00000	0.0	0.0	0.0
		-4.00000	40.00000	99.00000	0.0	0.0	0.0
		-3.00000	40.00000	99.00000	0.0	0.0	0.0
		-2.00000	40.00000	99.00000	0.0	0.0	0.0
		-1.00000	40.00000	99.00000	0.0	0.0	0.0
		0.00000	40.00000	99.00000	0.0	0.0	0.0
		1.00000	40.00000	99.00000	0.0	0.0	0.0
		2.00000	40.00000	99.00000	0.0	0.0	0.0
		3.00000	40.00000	99.00000	0.0	0.0	0.0
		4.00000	40.00000	99.00000	0.0	0.0	0.0
		5.00000	40.00000	99.00000	0.0	0.0	0.0
		6.00000	40.00000	99.00000	0.0	0.0	0.0
		7.00000	40.00000	99.00000	0.0	0.0	0.0
		8.00000	40.00000	99.00000	0.0	0.0	0.0
		9.00000	40.00000	99.00000	0.0	0.0	0.0
		10.00000	40.00000	99.00000	0.0	0.0	0.0
		11.00000	40.00000	99.00000	0.0	0.0	0.0
		12.00000	40.00000	99.00000	0.0	0.0	0.0
		13.00000	40.00000	99.00000	0.0	0.0	0.0
		14.00000	40.00000	99.00000	0.0	0.0	0.0
		15.00000	40.00000	99.00000	0.0	0.0	0.0
		16.00000	40.00000	99.00000	0.0	0.0	0.0
		17.00000	40.00000	99.00000	0.0	0.0	0.0
		18.00000	40.00000	99.00000	0.0	0.0	0.0
		19.00000	40.00000	99.00000	0.0	0.0	0.0
		20.00000	40.00000	99.00000	0.0	0.0	0.0
		21.00000	40.00000	99.00000	0.0	0.0	0.0
		22.00000	40.00000	99.00000	0.0	0.0	0.0
		23.00000	40.00000	99.00000	0.0	0.0	0.0
		24.00000	40.00000	99.00000	0.0	0.0	0.0
		25.00000	40.00000	99.00000	0.0	0.0	0.0
		26.00000	40.00000	99.00000	0.0	0.0	0.0
		27.00000	40.00000	99.00000	0.0	0.0	0.0
		28.00000	40.00000	99.00000	0.0	0.0	0.0
		29.00000	40.00000	99.00000	0.0	0.0	0.0
		30.00000	40.00000	99.00000	0.0	0.0	0.0
		31.00000	40.00000	99.00000	0.0	0.0	0.0
		32.00000	40.00000	99.00000	0.0	0.0	0.0
		33.00000	40.00000	99.00000	0.0	0.0	0.0
		34.00000	40.00000	99.00000	0.0	0.0	0.0
		35.00000	40.00000	99.00000	0.0	0.0	0.0
		36.00000	40.00000	99.00000	0.0	0.0	0.0
		37.00000	40.00000	99.00000	0.0	0.0	0.0
		38.00000	40.00000	99.00000	0.0	0.0	0.0
		39.00000	40.00000	99.00000	0.0	0.0	0.0
		40.00000	40.00000	99.00000	0.0	0.0	0.0
		41.00000	40.00000	99.00000	0.0	0.0	0.0
		42.00000	40.00000	99.00000	0.0	0.0	0.0
		43.00000	40.00000	99.00000	0.0	0.0	0.0
		44.00000	40.00000	99.00000	0.0	0.0	0.0
		45.00000	40.00000	99.00000	0.0	0.0	0.0
		46.00000	40.00000	99.00000	0.0	0.0	0.0
		47.00000	40.00000	99.00000	0.0	0.0	0.0
		48.00000	40.00000	99.00000	0.0	0.0	0.0
		49.00000	40.00000	99.00000	0.0	0.0	0.0
		50.00000	40.00000	99.00000	0.0	0.0	0.0
		51.00000	40.00000	99.00000	0.0	0.0	0.0
		52.00000	40.00000	99.00000	0.0	0.0	0.0
		53.00000	40.00000	99.00000	0.0	0.0	0.0
		54.00000	40.00000	99.00000	0.0	0.0	0.0
		55.00000	40.00000	99.00000	0.0	0.0	0.0
		56.00000	40.00000	99.00000	0.0	0.0	0.0
		57.00000	40.00000	99.00000	0.0	0.0	0.0
		58.00000	40.00000	99.00000	0.0	0.0	0.0
		59.00000	40.00000	99.00000	0.0	0.0	0.0
		60.00000	40.00000	99.00000	0.0	0.0	0.0
		61.00000	40.00000	99.00000	0.0	0.0	0.0
		62.00000	40.00000	99.00000	0.0	0.0	0.0
		63.00000	40.00000	99.00000	0.0	0.0	0.0
		64.00000	40.00000	99.00000	0.0	0.0	0.0
		65.00000	40.00000	99.00000	0.0	0.0	0.0
		-30.00000	41.00000	99.00000	0.0	0.0	0.0
		-29.00000	41.00000	99.00000	0.0	0.0	0.0
		-28.00000	41.00000	99.00000	0.0	0.0	0.0
		-27.00000	41.00000	99.00000	0.0	0.0	0.0
		-26.00000	41.00000	99.00000	0.0	0.0	0.0
		-25.00000	41.00000	99.00000	0.0	0.0	0.0
		-24.00000	41.00000	99.00000	0.0	0.0	0.0
		-23.00000	41.00000	99.00000	0.0	0.0	0.0
		-22.00000	41.00000	99.00000	0.0	0.0	0.0
		-21.00000	41.00000	99.00000	0.0	0.0	0.0
		-20.00000	41.00000	99.00000	0.0	0.0	0.0
		-19.00000	41.00000	99.00000	0.0	0.0	0.0
		-18.00000	41.00000	99.00000	0.0	0.0	0.0
		-17.00000	41.00000	99.00000	0.0	0.0	0.0
		-16.00000	41.00000	99.00000	0.0	0.0	0.0
		-15.00000	41.00000	99.00000	0.0	0.0	0.0
		-14.00000	41.00000	99.00000	0.0	0.0	0.0
		-13.00000	41.00000	99.00000	0.0	0.0	0.0
		-12.00000	41.00000	99.00000	0.0	0.0	0.0
		-11.00000	41.00000	99.00000	0.0	0.0	0.0
		-10.00000	41.00000	99.00000	0.0	0.0	0.0
		-9.00000	41.00000	99.00000	0.0	0.0	0.0
		-8.00000	41.00000	99.00000	0.0	0.0	0.0
		-7.00000	41.00000	99.00000	0.0	0.0	0.0
		-6.00000	41.00000	99.00000	0.0	0.0	0.0
		-5.00000	41.00000	99.00000	0.0	0.0	0.0
		-4.00000	41.00000	99.00000	0.0	0.0	0.0
		-3.00000	41.00000	99.00000	0.0	0.0	0.0
		-2.00000	41.00000	99.00000	0.0	0.0	0.0
		-1.00000	41.00000	99.00000	0.0	0.0	0.0
		0.00000	41.00000	99.00000	0.0	0.0	0.0
		1.00000	41.00000	99.00000	0.0	0.0	0.0
		2.00000	41.00000	99.00000	0.0	0.0	0.0
		3.00000	41.00000	99.00000	0.0	0.0	0.0
		4.00000	41.00000	99.00000	0.0	0.0	0.0
		5.00000	41.00000	99.00000	0.0	0.0	0.0
		6.00000	41.00000	99.00000	0.0	0.0	0.0
		7.00000	41.00000	99.00000	0.0	0.0	0.0
		8.00000	41.00000	99.00000	0.0	0.0	0.0
		9.00000	41.00000	99.00000	0.0	0.0	0.0
		10.00000	41.00000	99.00000	0.0	0.0	0.0
		11.00000	41.00000	99.00000	0.0	0.0	0.0
		12.00000	41.00000	99.00000	0.0	0.0	0.0
		13.00000	41.00000	99.00000	0.0	0.0	0.0
		14.00000	41.00000	99.00000	0.0	0.0	0.0
		15.00000	41.00000	99.00000	0.0	0.0	0.0
		16.00000	41.00000	99.00000	0.0	0.0	0.0
		17.00000	41.00000	99.00000	0.0	0.0	0.0
		18.00000	41.00000	99.00000	0.0	0.0	0.0
		19.00000	41.00000	99.00000	0.0	0.0	0.0
		20.00000	41.00000	99.00000	0.0	0.0	0.0
		21.00000	41.00000	99.00000	0.0	0.0	0.0
		22.00000	41.00000	99.00000	0.0	0.0	0.0
		23.00000	41.00000	99.00000	0.0	0.0	0.0
		24.00000	41.00000	99.00000	0.0	0.0	0.0



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No.		Coordinates			Displacements		
Name	Dist. [m]	x [m]	y [m]	z [m]	x [mm]	y [mm]	z [mm]
19.00000	44.00000	99.00000	0.0	0.0	0.0		
20.00000	44.00000	99.00000	0.0	0.0	0.0		
21.00000	44.00000	99.00000	0.0	0.0	0.0		
22.00000	44.00000	99.00000	0.0	0.0	0.0		
23.00000	44.00000	99.00000	0.0	0.0	0.0		
24.00000	44.00000	99.00000	0.0	0.0	0.0		
25.00000	44.00000	99.00000	0.0	0.0	0.0		
26.00000	44.00000	99.00000	0.0	0.0	0.0		
27.00000	44.00000	99.00000	0.0	0.0	0.0		
28.00000	44.00000	99.00000	0.0	0.0	0.0		
29.00000	44.00000	99.00000	0.0	0.0	0.0		
30.00000	44.00000	99.00000	0.0	0.0	0.0		
31.00000	44.00000	99.00000	0.0	0.0	0.0		
32.00000	44.00000	99.00000	0.0	0.0	0.0		
33.00000	44.00000	99.00000	0.0	0.0	0.0		
34.00000	44.00000	99.00000	0.0	0.0	0.0		
35.00000	44.00000	99.00000	0.0	0.0	0.0		
36.00000	44.00000	99.00000	0.0	0.0	0.0		
37.00000	44.00000	99.00000	0.0	0.0	0.0		
38.00000	44.00000	99.00000	0.0	0.0	0.0		
39.00000	44.00000	99.00000	0.0	0.0	0.0		
40.00000	44.00000	99.00000	0.0	0.0	0.0		
41.00000	44.00000	99.00000	0.0	0.0	0.0		
42.00000	44.00000	99.00000	0.0	0.0	0.0		
43.00000	44.00000	99.00000	0.0	0.0	0.0		
44.00000	44.00000	99.00000	0.0	0.0	0.0		
45.00000	44.00000	99.00000	0.0	0.0	0.0		
46.00000	44.00000	99.00000	0.0	0.0	0.0		
47.00000	44.00000	99.00000	0.0	0.0	0.0		
48.00000	44.00000	99.00000	0.0	0.0	0.0		
49.00000	44.00000	99.00000	0.0	0.0	0.0		
50.00000	44.00000	99.00000	0.0	0.0	0.0		
51.00000	44.00000	99.00000	0.0	0.0	0.0		
52.00000	44.00000	99.00000	0.0	0.0	0.0		
53.00000	44.00000	99.00000	0.0	0.0	0.0		
54.00000	44.00000	99.00000	0.0	0.0	0.0		
55.00000	44.00000	99.00000	0.0	0.0	0.0		
56.00000	44.00000	99.00000	0.0	0.0	0.0		
57.00000	44.00000	99.00000	0.0	0.0	0.0		
58.00000	44.00000	99.00000	0.0	0.0	0.0		
59.00000	44.00000	99.00000	0.0	0.0	0.0		
60.00000	44.00000	99.00000	0.0	0.0	0.0		
61.00000	44.00000	99.00000	0.0	0.0	0.0		
62.00000	44.00000	99.00000	0.0	0.0	0.0		
63.00000	44.00000	99.00000	0.0	0.0	0.0		
-30.00000	45.00000	99.00000	0.0	0.0	0.0		
-29.00000	45.00000	99.00000	0.0	0.0	0.0		
-28.00000	45.00000	99.00000	0.0	0.0	0.0		
-27.00000	45.00000	99.00000	0.0	0.0	0.0		
-26.00000	45.00000	99.00000	0.0	0.0	0.0		
-25.00000	45.00000	99.00000	0.0	0.0	0.0		
-24.00000	45.00000	99.00000	0.0	0.0	0.0		
-23.00000	45.00000	99.00000	0.0	0.0	0.0		
-22.00000	45.00000	99.00000	0.0	0.0	0.0		
-21.00000	45.00000	99.00000	0.0	0.0	0.0		
-20.00000	45.00000	99.00000	0.0	0.0	0.0		
-19.00000	45.00000	99.00000	0.0	0.0	0.0		
-18.00000	45.00000	99.00000	0.0	0.0	0.0		
-17.00000	45.00000	99.00000	0.0	0.0	0.0		
-16.00000	45.00000	99.00000	0.0	0.0	0.0		
-15.00000	45.00000	99.00000	0.0	0.0	0.0		
-14.00000	45.00000	99.00000	0.0	0.0	0.0		
-13.00000	45.00000	99.00000	0.0	0.0	0.0		
-12.00000	45.00000	99.00000	0.0	0.0	0.0		
-11.00000	45.00000	99.00000	0.0	0.0	0.0		
-10.00000	45.00000	99.00000	0.0	0.0	0.0		
-9.00000	45.00000	99.00000	0.0	0.0	0.0		
-8.00000	45.00000	99.00000	0.0	0.0	0.0		
-7.00000	45.00000	99.00000	0.0	0.0	0.0		
-6.00000	45.00000	99.00000	0.0	0.0	0.0		
-5.00000	45.00000	99.00000	0.0	0.0	0.0		
-4.00000	45.00000	99.00000	0.0	0.0	0.0		
-3.00000	45.00000	99.00000	0.0	0.0	0.0		
-2.00000	45.00000	99.00000	0.0	0.0	0.0		
-1.00000	45.00000	99.00000	0.0	0.0	0.0		
0.00000	45.00000	99.00000	0.0	0.0	0.0		
1.00000	45.00000	99.00000	0.0	0.0	0.0		
2.00000	45.00000	99.00000	0.0	0.0	0.0		
3.00000	45.00000	99.00000	0.0	0.0	0.0		
4.00000	45.00000	99.00000	0.0	0.0	0.0		
5.00000	45.00000	99.00000	0.0	0.0	0.0		
6.00000	45.00000	99.00000	0.0	0.0	0.0		
7.00000	45.00000	99.00000	0.0	0.0	0.0		
8.00000	45.00000	99.00000	0.0	0.0	0.0		
9.00000	45.00000	99.00000	0.0	0.0	0.0		
10.00000	45.00000	99.00000	0.0	0.0	0.0		
11.00000	45.00000	99.00000	0.0	0.0	0.0		
12.00000	45.00000	99.00000	0.0	0.0	0.0		
13.00000	45.00000	99.00000	0.0	0.0	0.0		
14.00000	45.00000	99.00000	0.0	0.0	0.0		
15.00000	45.00000	99.00000	0.0	0.0	0.0		
16.00000	45.00000	99.00000	0.0	0.0	0.0		
17.00000	45.00000	99.00000	0.0	0.0	0.0		
18.00000	45.00000	99.00000	0.0	0.0	0.0		
19.00000	45.00000	99.00000	0.0	0.0	0.0		
20.00000	45.00000	99.00000	0.0	0.0	0.0		
21.00000	45.00000	99.00000	0.0	0.0	0.0		
22.00000	45.00000	99.00000	0.0	0.0	0.0		
23.00000	45.00000	99.00000	0.0	0.0	0.0		
24.00000	45.00000	99.00000	0.0	0.0	0.0		
25.00000	45.00000	99.00000	0.0	0.0	0.0		
26.00000	45.00000	99.00000	0.0	0.0	0.0		
27.00000	45.00000	99.00000	0.0	0.0	0.0		
28.00000	45.00000	99.00000	0.0	0.0	0.0		
29.00000	45.00000	99.00000	0.0	0.0	0.0		
30.00000	45.00000	99.00000	0.0	0.0	0.0		
31.00000	45.00000	99.00000	0.0	0.0	0.0		
32.00000	45.00000	99.00000	0.0	0.0	0.0		
33.00000	45.00000	99.00000	0.0	0.0	0.0		
34.00000	45.00000	99.00000	0.0	0.0	0.0		
35.00000	45.00000	99.00000	0.0	0.0	0.0		
36.00000	45.00000	99.00000	0.0	0.0	0.0		
37.00000	45.00000	99.00000	0.0	0.0	0.0		
38.00000	45.00000	99.00000	0.0	0.0	0.0		
39.00000	45.00000	99.00000	0.0	0.0	0.0		
40.00000	45.00000	99.00000	0.0	0.0	0.0		
41.00000	45.00000	99.00000	0.0	0.0	0.0		
42.00000	45.00000	99.00000	0.0	0.0	0.0		
43.00000	45.00000	99.00000	0.0	0.0	0.0		
44.00000	45.00000	99.00000	0.0	0.0	0.0		
45.00000	45.00000	99.00000	0.0	0.0	0.0		
46.00000	45.00000	99.00000	0.0	0.0	0.0		
47.00000	45.00000	99.00000	0.0	0.0	0.0		
48.00000	45.00000	99.00000	0.0	0.0	0.0		
49.00000	45.00000	99.00000	0.0	0.0	0.0		
50.00000	45.00000	99.00000	0.0	0.0	0.0		
51.00000	45.00000	99.00000	0.0	0.0	0.0		
52.00000	45.00000	99.00000	0.0	0.0	0.0		
53.00000	45.00000	99.00000	0.0	0.0	0.0		
54.00000	45.00000	99.00000	0.0	0.0	0.0		
55.00000	45.00000	99.00000	0.0	0.0	0.0		
56.00000	45.00000	99.00000	0.0	0.0	0.0		
57.00000	45.00000	99.00000	0.0	0.0	0.0		
58.00000	45.00000	99.00000	0.0	0.0	0.0		
59.00000	45.00000	99.00000	0.0	0.0	0.0		
60.00000	45.00000	99.00000	0.0	0.0	0.0		
61.00000	45.00000	99.00000	0.0	0.0	0.0		
62.00000	45.00000	99.00000	0.0	0.0	0.0		
63.00000	45.00000	99.00000	0.0	0.0	0.0		



4 Wedderburn Road, London, NW3 5QE

Wall Movements

Pile Installation / Underpinning

Job No.	Sheet No.	Rev.
J14267A		
Drg. Ref.		
Made by MP	Date 02-Jul-2015	Checked

Type/No.	Coordinates	Displacements	
Name	Dist. [m]	x [m] y [m] z [m]	x [mm] y [mm] z [mm]
	64.00000	45.00000 99.00000	0.0 0.0 0.0
	65.00000	45.00000 99.00000	0.0 0.0 0.0