

Project

Ferry Island

Job No
22/3722

Date Started 11/07/22
Date Completed 15/07/22

Ground Level (mOD)
8.59

Co-Ordinates
E 534392.67 N 189501.79

Final Depth
40.00m

Client
Midgard

Method
Cable Percussion

Sheet
4 of 4

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
15/07/22	33.90	22.00			(2.50)	FORMATION)	33.50 33.70 34.00-34.45 34.45-34.55 35.00	D70 D71 UT72 D73 D74	100 blows	89% Recovery	
15/07/22	35.40	21.00	-26.41		35.00	Very dense, dark grey fine to medium SAND. (LAMBETH GROUP: UPNOR FORMATION)	35.50 35.50-35.95	D75	N50/130mm	8, 16 / 18, 32	
15/07/22	36.90	19.00	-28.41		37.00	35.50 - 35.95 ... becoming claye and very silty	36.50 37.00 37.00-37.45	D76 D77	N50/230mm	9, 11 / 15, 15, 17, 3	
			-29.41		38.00	Very stiff, dark grey slightly gravelly sandy CLAY. Gravel is subrounded fine to medium flint. Sand is fine to medium. (LAMBETH GROUP: UPNOR FORMATION)	38.00	D78			
			-29.91		38.50	Very dense, dark grey fine to medium SAND. (LAMBETH GROUP: UPNOR FORMATION)	38.50 38.50-38.95	D79	N50/190mm	6, 10 / 15, 18, 17	
15/07/22	39.90	19.00	-31.41		40.00	Very stiff, dark grey very sandy CLAY with rare shell fragments. Sand is fine to medium. (LAMBETH GROUP: UPNOR FORMATION)	39.50 39.50-40.00 40.00	D80 B81	N50/160mm	10, 15 / 20, 25, 5	
						39.50 ... becoming slightly sandy and slightly gravelly. Gravel is subrounded to rounded fine to medium black flint. Sand is fine					
						End of Borehole					

Issue: FINAL

Logger: AB

CHD: AN

APRV: OS

Log Print Date & Time: 30/09/2022 15:08

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 18/02/20
Date Completed 24/02/20

Ground Level (mOD)
8.24

Co-Ordinates
E 534320.81 N 189514.96

Final Depth
15.70m

Client

Gardiner and Theobald LLP

BOREHOLE SUMMARY

Top (m)	Base (m)	Type	Date Started	Date Ended	Crew	Logged By	Core Barrel (mm)	Core Bit	Plant Used/ Method	SPT Hammer Reference
0.00 1.20	1.20 15.70	IP CP	18/02/2020 24/02/2020	18/02/2020 24/02/2020	DP DP	MW MW			Hand Excavated Dando 175	AR1607

WATER STRIKES

WATER ADDED

CHISELLING / SLOW DRILLING

Strike at (m)	Rise to (m)	Time to Rise (min)	Casing Depth (m)	Sealed (m)	From (m)	To (m)	From (m)	To (m)	Duration (hr)	Remarks
					1.90	3.00				

HOLE

CASING

ROTARY RECOVERY

Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)	From (m)	To (m)	Blows	Recovery (%)
0.00 15.70	250 250	0.00 5.00	250 250				

ROTARY FLUSH DETAIL

From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour

INSTALLATION DETAILS

Type	Diameter (mm)	Depth of Installation (m)	Top of Response Zone (m)	Bottom of Response Zone (m)	Date of Installation
SP	225	15.70			24/02/2020

BACKFILL DETAILS

Top (m)	Bottom (m)	Material	Backfill Date
0.00 0.20 15.50	0.20 15.50 15.70	Concrete / Flush Cover Cement / Bentonite Grout Concrete	24/02/2020

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 18/02/20	Ground Level (mOD) 8.24	Co-Ordinates E 534320.81 N 189514.96	Final Depth 15.70m
Date Completed 24/02/20				

Client

Gardiner and Theobald LLP

PROGRESS					SPT DETAILS					
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks	Type	Depth (m)	N Value	Blow Count / 75mm	Casing Depth (m)	Water Depth (m)
18/02/20	0.00		Dry	... Water Added	C	2.50	N20	3, 4 / 4, 5, 5, 6	2.50	2.30
18/02/20	1.20		Dry		S	4.00	N12	1, 2 / 2, 3, 3, 4	4.00	Dry
24/02/20	1.20		Dry		S	5.50	N11	1, 2 / 2, 3, 3, 3	5.00	Dry
24/02/20	1.90		Wet		S	7.00	N15	2, 3 / 3, 3, 4, 5	5.00	Dry
24/02/20	2.50	2.50	2.30		S	8.50	N20	3, 3 / 4, 5, 5, 6	5.00	Dry
24/02/20	4.00	4.00	Dry		S	10.00	N22	3, 3 / 4, 5, 6, 7	5.00	Dry
24/02/20	15.70	5.00	Dry		S	11.50	N25	3, 4 / 5, 6, 7, 7	5.00	Dry
					S	13.00	N30	4, 5 / 7, 7, 8, 8	5.00	Dry
					S	14.50	N31	4, 5 / 7, 7, 8, 9	5.00	Dry

GENERAL REMARKS

- CPT testing carried out from the base of the borehole inspection pit.
- Ø225mm pipe installed at 15.70m depth to facilitate vibrating wire installation and monitoring by others.

KEY

SAMPLES

- ES - Environmental Sample (Tub, Vial, Jar)
- U - 100mm Diameter Undisturbed Sample
- UT - 100mm Diameter Thin Wall Undisturbed Sample
- U38 - 38mm Diameter Undisturbed Sample
- D - Disturbed Sample, B-Bulk Sample, LB-Large Bulk Sample, BLK-Block Sample
- C - Core Sample, W-Water Sample, R-Root Sample

INSTALLATION DETAILS

- SPIE - Standpipe Piezometer
- SPGW - Groundwater Monitor Standpipe
- SPG/GW - Gas / Groundwater Monitor Standpipe
- VWP - Vibrating Wire Piezometer
- ICM - Inclinator

HOLE TYPES

- IP - Inspection Pit, TP-Trial Pit TT - Trial Trench
- CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic
- DS - Dynamic Sampling, DS/R-Dynamic Sampling / Rotary
- DC - Diamond Coring, CPR-Cable Percussion Rotary follow on

TESTS S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compounds

Note: All depths are in metres, all diameters in millimetres, water strike rise time in minutes. For details of abbreviations see Key

Issue No: 01

Checked By: OS

Approved By: OS

Log Print Date & Time:

26/03/2020 13:02

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 18/02/20	Ground Level (mOD) 8.24	Co-Ordinates E 534320.81 N 189514.96	Final Depth 15.70m
Date Completed 24/02/20				
Client Gardiner and Theobald LLP	Method/ Plant Used Cable Percussion			Sheet 1 of 2

PROGRESS			STRATA			SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result	
18/02/20		Dry	8.14		0.10	Asphalt.	0.30-1.20	ES1		VOC 0ppm
			8.04		0.20	(MADE GROUND)				
			7.84		0.40	CONCRETE.	0.60	ES2		VOC 0ppm
					(0.65)	Light brown slightly clayey slightly sandy GRAVEL with low brick and concrete cobble content. Gravel comprises angular to subrounded fine to coarse brick, concrete, asphalt and glass fragments. Sand is fine to coarse.				
18/02/20		Dry	7.19		1.05		1.20	ES3		VOC 0ppm
24/02/20		Dry	7.04		1.20		1.20	D4		VOC 0ppm
					(0.70)	(MADE GROUND)	1.50	ES5		VOC 0ppm
24/02/20		Wet	6.34		1.90	Soft, brown slightly gravelly silty CLAY. Gravel comprises rounded fine to coarse flint, chalk and brick fragments.	1.90	D6		VOC 0ppm
					(MADE GROUND)	2.00	ES7			VOC 0ppm
24/02/20	2.50	2.30			(1.90)	Soft, light brown gravelly clayey SILT. Gravel is angular to subrounded fine to medium flint. (ENFIELD SILT MEMBER)	2.50	ES8		VOC 0ppm
						Soft, brown mottled greenish and orangish brown slightly gravelly slightly sandy CLAY. Gravel is angular to subrounded fine to medium flint. Sand is fine to coarse. (ENFIELD SILT MEMBER)	2.50-3.00	B9	N20	3, 4 / 4, 5, 5, 6
							2.50	ES10		VOC 0ppm
							3.50	ES11		VOC 0ppm
							3.50	D12		VOC 0ppm
24/02/20	4.00	Dry	4.44		3.80	Medium dense, light brown sandy angular to subrounded fine to coarse flint GRAVEL. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	3.80	ES13		VOC 0ppm
					(0.50)		3.80	D14	N12	1, 2 / 2, 3, 3, 4
			3.94		4.30	Firm, grey slightly sandy gravelly CLAY with rare bioturbation. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse. (THAMES GROUP: WEATHERED LONDON CLAY FORMATION)	4.00-4.45	D15		VOC 0ppm
							4.30	ES16		VOC 0ppm
							4.80	ES17		VOC 0ppm
							5.00	D18		VOC 0ppm
							5.30	ES19	N11	VOC 0ppm
							5.50			1, 2 / 2, 3, 3, 3
							5.50-5.95	D20		VOC 0ppm
							5.80	ES21		VOC 0ppm
							6.50	D22		
							7.00		N15	2, 3 / 3, 3, 4, 5
							7.00-7.45	D23		
							8.00	D24		
							8.50		N20	3, 3 / 4, 5, 5, 6
			-0.26		8.50	Stiff, greyish brown sandy silty slightly micaceous CLAY with occasional lignite fragments and bioturbation. Sand is fine to coarse. (THAMES GROUP: LONDON CLAY FORMATION)	8.50-8.95	D25		
							9.50	D26		
							10.00		N22	3, 3 / 4, 5, 6, 7
					(3.50)		10.00-10.45	D27		
							11.00	D28		

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 18/02/20	Ground Level (mOD) 8.24	Co-Ordinates E 534320.81 N 189514.96	Final Depth 15.70m
Date Completed 24/02/20				
Client Gardiner and Theobald LLP	Method/ Plant Used Cable Percussion			Sheet 2 of 2

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
24/02/20	5.00	Dry	-3.76		12.00	Stiff, brown sandy silty micaceous CLAY with rare pockets of fine sand and bioturbation. (THAMES GROUP: LONDON CLAY FORMATION)	11.50 11.50-11.95	D29	N25	3, 4 / 5, 6, 7, 7	
				(2.50)	12.50		D30	N30	4, 5 / 7, 7, 8, 8		
					13.00 13.00-13.45		D31				
			-6.26		14.50	Stiff, greyish brown sandy silty micaceous CLAY with occasional pockets of fine sand. (THAMES GROUP: LONDON CLAY FORMATION)	14.00	D32	N31	4, 5 / 7, 7, 8, 9	
					(1.20)		14.50 14.50-14.95	D33			
			-7.46		15.70	End of Borehole	15.70	D34			

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 18/02/20
Date Completed 18/02/20

Ground Level (mOD)
8.82

Co-Ordinates
E 534384.82 N 189528.74

Final Depth
16.30m

Client

Gardiner and Theobald LLP

BOREHOLE SUMMARY

Top (m)	Base (m)	Type	Date Started	Date Ended	Crew	Logged By	Core Barrel (mm)	Core Bit	Plant Used/ Method	SPT Hammer Reference
0.00 1.20	1.20 16.30	IP CP	18/02/2020 18/02/2020	18/02/2020 18/02/2020	DP DP	MW MW			Hand Excavated Dando 175	AR1607

WATER STRIKES

WATER ADDED

CHISELLING / SLOW DRILLING

Strike at (m)	Rise to (m)	Time to Rise (min)	Casing Depth (m)	Sealed (m)	From (m)	To (m)	From (m)	To (m)	Duration (hr)	Remarks
2.80	2.80	20	2.50							

HOLE

CASING

ROTARY RECOVERY

Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)	From (m)	To (m)	Blows	Recovery (%)
0.00 16.30	250 250	0.00 5.50	250 250				

ROTARY FLUSH DETAIL

From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour

INSTALLATION DETAILS

Type	Diameter (mm)	Depth of Installation (m)	Top of Response Zone (m)	Bottom of Response Zone (m)	Date of Installation
SP	225	16.30			18/02/2020

BACKFILL DETAILS

Top (m)	Bottom (m)	Material	Backfill Date
0.00 0.20 16.00	0.20 16.00 16.30	Concrete / Flush Cover Cement / Bentonite Grout Concrete	18/02/2020

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 18/02/20	Ground Level (mOD) 8.82	Co-Ordinates E 534384.82 N 189528.74	Final Depth 16.30m
Date Completed 18/02/20				

Client

Gardiner and Theobald LLP

PROGRESS					SPT DETAILS					
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks	Type	Depth (m)	N Value	Blow Count / 75mm	Casing Depth (m)	Water Depth (m)
18/02/20	0.00		Dry		C	2.50	N23	2, 3 / 4, 5, 7, 7	2.50	Dry
18/02/20	1.20		Dry		C	4.00	N27	3, 5 / 5, 6, 8, 8	4.00	2.80
18/02/20	1.70		Wet		S	5.50	N13	2, 2 / 2, 3, 4, 4	5.50	Dry
18/02/20	2.50	2.50	Dry		S	7.00	N15	2, 3 / 3, 4, 4, 4	5.50	Dry
18/02/20	2.80	2.50	2.80	... Water Strike	S	8.50	N16	2, 3 / 3, 4, 4, 5	5.50	Dry
18/02/20	4.00	4.00	2.80		S	10.00	N21	3, 3 / 4, 5, 6, 6	5.50	Dry
18/02/20	5.50	5.50	Dry		S	11.50	N22	3, 3 / 4, 5, 6, 7	5.50	Dry
18/02/20	16.30	5.50	Dry		S	13.00	N27	3, 4 / 6, 6, 7, 8	5.50	Dry
					S	14.50	N29	3, 5 / 5, 7, 8, 9	5.50	Dry
					S	16.00	N34	4, 5 / 7, 8, 9, 10	5.50	Dry

GENERAL REMARKS

1. Perched water seepage encountered at 1.70m depth with no rise.
2. Water seepage encountered at 2.80m depth with no rise.
3. Ø225mm pipe installed at 16.30m depth to facilitate vibrating wire installation and monitoring by others.

KEY

SAMPLES

- ES - Environmental Sample (Tub, Vial, Jar)
- U - 100mm Diameter Undisturbed Sample
- UT - 100mm Diameter Thin Wall Undisturbed Sample
- U38 - 38mm Diameter Undisturbed Sample
- D - Disturbed Sample, B-Bulk Sample, LB-Large Bulk Sample, BLK-Block Sample
- C - Core Sample, W-Water Sample, R-Root Sample

INSTALLATION DETAILS

- SPIE - Standpipe Piezometer
- SPGW - Groundwater Monitor Standpipe
- SPG/GW - Gas / Groundwater Monitor Standpipe
- VWP - Vibrating Wire Piezometer
- ICM - Inclinator

HOLE TYPES

- IP - Inspection Pit, TP-Trial Pit TT - Trial Trench
- CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic
- DS - Dynamic Sampling, DS/R-Dynamic Sampling / Rotary
- DC - Diamond Coring, CPR-Cable Percussion Rotary follow on

TESTS S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compounds

Note: All depths are in metres, all diameters in millimetres, water strike rise time in minutes. For details of abbreviations see Key

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 18/02/20	Ground Level (mOD) 8.82	Co-Ordinates E 534384.82 N 189528.74	Final Depth 16.30m
Date Completed 18/02/20				
Client Gardiner and Theobald LLP	Method/ Plant Used Cable Percussion			Sheet 1 of 2

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
18/02/20		Dry	8.72		0.10	Asphalt.	0.10-0.50	B1		VOC 0ppm	
			8.57		0.25	(MADE GROUND)	0.30	ES2		VOC 0ppm	
					(0.70)	Brown slightly sandy angular to subrounded fine to medium flint GRAVEL. Sand is fine to coarse.	0.40	ES3		VOC 0ppm	
						(MADE GROUND -Type 1)	0.50	ES4		VOC 0ppm	
							0.50-0.70	B5		VOC 0ppm	
							0.60	ES6		VOC 0ppm	
			7.87		0.95	Light brown sandy GRAVEL in fine sand matrix with occasional pockets of clay. Gravel comprises angular to subangular fine to coarse flint, brick, concrete and asphalt fragments. Sand is fine to coarse.	0.70-1.20	B7			
18/02/20		Dry			(0.75)	(MADE GROUND)	0.80	ES8		VOC 0ppm	
							1.20	D10			
							1.20	ES9			
18/02/20		Wet	7.12		1.70	(MADE GROUND)	1.70	ES11		VOC 0ppm	
					(0.70)	Light brown gravelly SILT. Gravel is rounded to subrounded fine to coarse flint.	2.00	ES12		VOC 0ppm	
						(ENFIELD SILT MEMBER)					
18/02/20	2.50	Dry	6.42		2.40	Soft to firm, brown and orangish brown slightly sandy CLAY.	2.40	D13		VOC 0ppm	
						(ENFIELD SILT MEMBER)	2.50-3.00	B14			
18/02/20	2.50	2.80				Medium dense, light brown sandy rounded to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse.	2.50	ES16	N23	2, 3 / 4, 5, 7, 7	
						(RIVER TERRACE DEPOSITS)	3.00	ES15		VOC 0ppm	
					(2.50)		3.50	ES17		VOC 0ppm	
							3.50	D18			
18/02/20	4.00	2.80					4.00	ES19		VOC 0ppm	
							4.00-4.50	B20			
							4.00		N27	3, 5 / 5, 6, 8, 8	
							4.50	ES21		VOC 0ppm	
			3.92		4.90	4.50 ... with lignite fragments and root remains	4.90	D22			
18/02/20	5.50	Dry				Firm, greyish brown silty CLAY.	5.50	ES23		VOC 0ppm	
						(THAMES GROUP: LONDON CLAY FORMATION)	5.50-5.95	D24			
						4.90 - 5.50 ... with occasional pockets of fine sand	5.50		N13	2, 2 / 2, 3, 4, 4	
					(3.10)		6.50	D25			
							7.00		N15	2, 3 / 3, 4, 4, 4	
							7.00-7.45	D26			
			0.82		8.00		8.00	D27			
						Firm, greyish brown silty micaceous CLAY with occasional pockets of fine sand and silt.	8.50		N16	2, 3 / 3, 4, 4, 5	
						(THAMES GROUP: LONDON CLAY FORMATION)	8.50-8.95	D28			
						8.00 - 9.25 ... with possible bioturbation	9.50	D29			
							10.00		N21	3, 3 / 4, 5, 6, 6	

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 18/02/20
Date Completed 18/02/20

Ground Level (mOD)
8.82

Co-Ordinates
E 534384.82 N 189528.74

Final Depth
16.30m

Client

Gardiner and Theobald LLP

Method/
Plant Used Cable Percussion

Sheet
2 of 2

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
18/02/20	5.50	Dry	-7.48		(8.30)	10.75 - 11.25 ... with rare pockets of fine silty sand and lignite fragments	10.00-10.45	D30		3, 3 / 4, 5, 6, 7	
							11.00	D31			
							11.50		N22		
							11.50-11.95	D32			
						12.25 - 14.25 ... becoming grey with occasional pockets of fine silty sand, rare lignite fragments and bioturbation	12.50	D33			
							13.00		N27		
							13.00-13.45	D34			
							14.00	D35			
						14.00 ... with occasional bioturbation					
						14.25 ... with rare pockets of fine silty sand	14.50		N29	3, 5 / 5, 7, 8, 9	
							14.50-14.95	D36			
						15.25 - 16.30 ... with frequent pockets of fine silty sand and rare lignite fragments	15.50	D37			
							16.00		N34	4, 5 / 7, 8, 9, 10	
							16.00	D38			
						End of Borehole					

Issue No: 01

Checked By: OS

Approved By: OS

Log Print Date & Time: 26/03/2020 13:03

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 19/02/20
Date Completed 21/02/20

Ground Level (mOD)
8.59

Co-Ordinates
E 534378.69 N 189492.91

Final Depth
18.80m

Client

Gardiner and Theobald LLP

BOREHOLE SUMMARY

Top (m)	Base (m)	Type	Date Started	Date Ended	Crew	Logged By	Core Barrel (mm)	Core Bit	Plant Used/ Method	SPT Hammer Reference
0.00 1.20	1.20 18.80	IP CP	19/02/2020 19/02/2020	19/02/2020 21/02/2020	DP DP	MW MW			Hand Excavated Dando 175	AR1607

WATER STRIKES

WATER ADDED

CHISELLING / SLOW DRILLING

Strike at (m)	Rise to (m)	Time to Rise (min)	Casing Depth (m)	Sealed (m)	From (m)	To (m)	From (m)	To (m)	Duration (hr)	Remarks
13.20	13.20	20	7.00		2.10 3.50	3.00 4.50				

HOLE

CASING

ROTARY RECOVERY

Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)	From (m)	To (m)	Blows	Recovery (%)
0.00 5.50 18.80	300 300 250	0.00 5.50 7.00	300 300 250				

ROTARY FLUSH DETAIL

From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour

INSTALLATION DETAILS

Type	Diameter (mm)	Depth of Installation (m)	Top of Response Zone (m)	Bottom of Response Zone (m)	Date of Installation
SP	225	18.80			21/02/2020

BACKFILL DETAILS

Top (m)	Bottom (m)	Material	Backfill Date
0.00 0.20 18.60	0.20 18.60 18.80	Concrete / Flush Cover Cement / Bentonite Grout Concrete	21/02/2020

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 19/02/20	Ground Level (mOD) 8.59	Co-Ordinates E 534378.69 N 189492.91	Final Depth 18.80m
Date Completed 21/02/20				

Client

Gardiner and Theobald LLP

PROGRESS					SPT DETAILS					
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks	Type	Depth (m)	N Value	Blow Count / 75mm	Casing Depth (m)	Water Depth (m)
19/02/20	0.00		Dry		S	1.50	N4	1, 0 / 0, 1, 1, 2	1.50	Dry
19/02/20	1.20		Dry		C	2.50	N30	2, 4 / 5, 7, 9, 9	2.50	2.50
19/02/20	2.10		Wet	... Water Added	C	4.00	N35	4, 5 / 7, 9, 9, 10	4.00	2.80
19/02/20	2.50	2.50	2.50		S	5.50	N11	1, 2 / 2, 3, 3, 3	5.50	Dry
19/02/20	3.00	3.00	3.00		S	7.00	N13	2, 2 / 3, 3, 3, 4	7.00	Dry
20/02/20	3.00	3.00	2.80	... see Remark 1	S	8.50	N15	2, 2 / 3, 4, 4, 4	7.00	Dry
20/02/20	3.50	3.00	Wet	... Water Added	S	10.00	N21	3, 4 / 4, 5, 6, 6	7.00	Dry
20/02/20	4.00	4.00	2.80		S	11.50	N25	3, 3 / 5, 6, 7, 7	7.00	Dry
20/02/20	4.50	4.00	Wet		S	13.00	N27	3, 4 / 6, 6, 7, 8	7.00	Dry
20/02/20	5.50	5.50	Dry		S	14.50	N29	3, 5 / 5, 7, 8, 9	7.00	Dry
20/02/20	13.20	7.00	13.20	... Water Strike	S	16.00	N31	4, 6 / 7, 7, 8, 9	7.00	Dry
20/02/20	14.50	7.00	Dry		S	17.50	N34	4, 6 / 7, 8, 9, 10	7.00	Dry
20/02/20	15.00	7.00	Dry							
21/02/20	15.00	7.00	14.80	... see Remark 4						
21/02/20	18.80	7.00	Dry							

GENERAL REMARKS

1. CPT testing carried out from the base of the borehole inspection pit.
2. Water entering the borehole between 19/02/2020 and 20/02/2020.
3. Bentonite seal inserted between 6.00m to 4.00m depth. Casing reduced from Ø300mm to Ø250mm at 4.00m depth.
4. Slight water seepage encountered at 13.20m depth with no rise.
5. Water entering the borehole between 20/02/2020 and 21/02/2020.
6. Ø225mm pipe installed at 18.80m depth to facilitate vibrating wire installation and monitoring by others.

KEY

SAMPLES

- ES - Environmental Sample (Tub, Vial, Jar)
- U - 100mm Diameter Undisturbed Sample
- UT - 100mm Diameter Thin Wall Undisturbed Sample
- U38 - 38mm Diameter Undisturbed Sample
- D - Disturbed Sample, B-Bulk Sample, LB-Large Bulk Sample, BLK-Block Sample
- C - Core Sample, W-Water Sample, R-Root Sample

INSTALLATION DETAILS

- SPIE - Standpipe Piezometer
- SPGW - Groundwater Monitor Standpipe
- SPG/GW - Gas / Groundwater Monitor Standpipe
- VWP - Vibrating Wire Piezometer
- ICM - Inclinator
- HOLE TYPES
- IP - Inspection Pit, TP-Trial Pit TT - Trial Trench
- CP - Cable Percussion, RC-Rotary Coring, R/S-Rotary/Sonic
- DS - Dynamic Sampling, DS/R-Dynamic Sampling/Rotary
- DC - Diamond Coring, CPR-Cable Percussion Rotary follow on

TESTS S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compounds

Note: All depths are in metres, all diameters in millimetres, water strike rise time in minutes. For details of abbreviations see Key

Issue No: 01

Checked By: OS

Approved By: OS

Log Print Date & Time: 26/03/2020 13:04

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 19/02/20	Ground Level (mOD) 8.59	Co-Ordinates E 534378.69 N 189492.91	Final Depth 18.80m
Date Completed 21/02/20				
Client Gardiner and Theobald LLP	Method/ Plant Used Cable Percussion			Sheet 1 of 2

PROGRESS			STRATA			SAMPLES & TESTS				Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
19/02/20		Dry	8.49		0.10	Asphalt.	0.30	ES1		VOC 0ppm	
			8.29		0.30	(MADE GROUND)					
			8.09		0.50	Brown sandy silty angular to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse.	0.60	ES2		VOC 0ppm	
					(0.70)	(MADE GROUND -Type 1)					
19/02/20		Dry	7.39		1.20	Brown sandy clayey GRAVEL with rottlets. Gravel comprises angular to subrounded fine to coarse flint, brick, concrete and asphalt fragments. Sand is fine to coarse.	1.20	ES3		VOC 0ppm	
					(0.80)	(MADE GROUND)	1.20	D4			
							1.50	ES5	N4	VOC 0ppm	
							1.50			1, 0 / 0, 1, 1, 2	
							1.70	D6			
19/02/20		Wet	6.59		2.00	Soft, brown gravelly sandy CLAY. Gravel comprises angular to subrounded fine to medium flint, brick, concrete and asphalt fragments. Sand is fine to coarse.	2.00	ES7		VOC 0ppm	
			6.44		2.15	(MADE GROUND)	2.10	ES8		VOC 0ppm	
							2.10	D9			
19/02/20	2.50	2.50				1.00 ... becoming orangish brown slightly gravelly. Gravel comprises flint, brick and concrete fragments	2.50-3.00	ES10		VOC 0ppm	
							2.50-2.95	B11	N30		
							2.50			2, 4 / 5, 7, 9, 9	
19/02/20	3.00	3.00				Firm, orangish brown slightly sandy CLAY with rare organic matter.	3.00	ES12		VOC 0ppm	
20/02/20	3.00	2.80				(ENFIELD SILT MEMBER)					
20/02/20	3.00	Wet			(2.65)	Loose, orangish brown gravelly clayey fine to coarse SAND. Gravel is angular to subrounded fine to medium flint.	3.50	ES13		VOC 0ppm	
						(RIVER TERRACE DEPOSITS)	3.50	D14			
20/02/20	4.00	2.80				Dense, sandy silty GRAVEL. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse.	4.00	ES15		VOC 0ppm	
						(RIVER TERRACE DEPOSITS)	4.00-4.50	B16	N35		
							4.00			4, 5 / 7, 9, 9, 10	
20/02/20	4.00	Wet					4.50	ES17		VOC 0ppm	
			3.79		4.80						
			3.39		5.20	Light brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse flint.	5.00	ES18		VOC 0ppm	
						(RIVER TERRACE DEPOSITS)	5.00	D19		VOC 0ppm	
							5.20	ES20			
20/02/20	5.50	Dry				Firm, dark bluish grey silty slightly micaceous CLAY with rare partings of sand and bioturbation.	5.20	D21	N11		
						(THAMES GROUP: LONDON CLAY FORMATION)	5.50-5.95	D22		1, 2 / 2, 3, 3, 3	
							6.20	ES23		VOC 0ppm	
							6.50	D24			
							7.00		N13	2, 2 / 3, 3, 3, 4	
							7.00-7.45	D25			
							8.00	D26			
							8.50		N15	2, 2 / 3, 4, 4, 4	
							8.50-8.95	D27			
							9.50	D28			
							10.00		N21	3, 4 / 4, 5, 6, 6	
							10.00-10.45	D29			
							11.00	D30			

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 19/02/20
Date Completed 21/02/20

Ground Level (mOD)
8.59

Co-Ordinates
E 534378.69 N 189492.91

Final Depth
18.80m

Client

Gardiner and Theobald LLP

**Method/
Plant Used** Cable Percussion

Sheet
2 of 2

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
20/02/20	7.00	13.2	-3.91		12.50	Stiff, grey silty CLAY with rare partings of sand. (THAMES GROUP: LONDON CLAY FORMATION)	11.50 11.50-11.95	D31	N25	3, 3 / 5, 6, 7, 7	
							12.50	D32			
20/02/20	7.00	Dry			(2.50)		13.00 13.00-13.45	D33	N27	3, 4 / 6, 6, 7, 8	
20/02/20	7.00	Dry					14.00	D34			
20/02/20	7.00	Dry	-6.41		15.00	Stiff, grey slightly sandy slightly silty CLAY. (THAMES GROUP: LONDON CLAY FORMATION)	14.50 14.50-14.95	D35	N29	3, 5 / 5, 7, 8, 9	
21/02/20	7.00	14.80					15.50	D36			
					(2.00)		16.00 16.00-16.45	D37	N31	4, 6 / 7, 7, 8, 9	
							17.00	D38			
			-8.41		17.00	Stiff, brown sandy silty CLAY. Sand is fine. (THAMES GROUP: LONDON CLAY FORMATION)	17.50 17.50-17.95	D39	N34	4, 6 / 7, 8, 9, 10	
					(1.80)						
21/02/20	7.00	Dry	-10.21		18.80	End of Borehole	18.80	D40			

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 25/02/20
Date Completed 26/02/20

Ground Level (mOD)
8.12

Co-Ordinates
E 534348.35 N 189520.69

Final Depth
6.00m

Client

Gardiner and Theobald LLP

BOREHOLE SUMMARY

Top (m)	Base (m)	Type	Date Started	Date Ended	Crew	Logged By	Core Barrel (mm)	Core Bit	Plant Used/ Method	SPT Hammer Reference
0.00 1.20	1.20 6.00	IP CP	25/02/2020 26/02/2020	26/02/2020 26/02/2020	DP DP	MW MW			Hand Excavated Dando 175	AR1607

WATER STRIKES

WATER ADDED

CHISELLING / SLOW DRILLING

Strike at (m)	Rise to (m)	Time to Rise (min)	Casing Depth (m)	Sealed (m)	From (m)	To (m)	From (m)	To (m)	Duration (hr)	Remarks
					1.80	3.50				

HOLE

CASING

ROTARY RECOVERY

Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)	From (m)	To (m)	Blows	Recovery (%)
0.00 6.00	150 150	0.00 6.00	150 150				

ROTARY FLUSH DETAIL

From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour

INSTALLATION DETAILS

Type	Diameter (mm)	Depth of Installation (m)	Top of Response Zone (m)	Bottom of Response Zone (m)	Date of Installation
SPG/GW	50	5.40	1.20	5.40	26/02/2020

BACKFILL DETAILS

Top (m)	Bottom (m)	Material	Backfill Date
0.00 0.30 1.20 5.40	0.30 1.20 5.40 6.00	Concrete / Flush Cover Bentonite Pellets Pea Shingle Bentonite Pellets	26/02/2020

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Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 25/02/20	Ground Level (mOD) 8.12	Co-Ordinates E 534348.35 N 189520.69	Final Depth 6.00m
Date Completed 26/02/20				

Client

Gardiner and Theobald LLP

PROGRESS					SPT DETAILS					
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks	Type	Depth (m)	N Value	Blow Count / 75mm	Casing Depth (m)	Water Depth (m)
25/02/20	0.00		Dry		C	2.50	N30	2, 5 / 5, 7, 9, 9	1.50	2.00
25/02/20	0.40		Dry		C	4.00	N25	2, 2 / 5, 6, 7, 7	4.00	2.20
26/02/20	0.40		Dry		S	5.50	N12	2, 2 / 2, 3, 3, 4	5.50	Dry
26/02/20	1.20		Dry							
26/02/20	1.80	1.50	Wet	... Water Added						
26/02/20	2.50	1.50	2.00							
26/02/20	4.00	4.00	2.20							
26/02/20	5.50	5.50	Dry							
26/02/20	6.00	5.50	Dry							

GENERAL REMARKS

KEY

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)
U - 100mm Diameter Undisturbed Sample
UT - 100mm Diameter Thin Wall Undisturbed Sample
U38 - 38mm Diameter Undisturbed Sample
D - Disturbed Sample, B-Bulk Sample, LB-Large Bulk Sample, BLK-Block Sample
C - Core Sample, W-Water Sample, R-Root Sample

INSTALLATION DETAILS

SPIE - Standpipe Piezometer
SPGW - Groundwater Monitor Standpipe
SPG/GW - Gas / Groundwater Monitor Standpipe
VWP - Vibrating Wire Piezometer
ICM - Inclinator

HOLE TYPES

JP - Inspection Pit, TP-Trial Pit TT - Trial Trench
CP - Cable Percussion, RC-Rotary Coring, RS-Rotary/Sonic
DS - Dynamic Sampling, DS/R-Dynamic Sampling /Rotary
DC - Diamond Coring, CPR-Cable Percussion Rotary follow on

TESTS S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compounds

Note: All depths are in metres, all diameters in millimetres, water strike rise time in minutes. For details of abbreviations see Key

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 25/02/20
Date Completed 26/02/20

Ground Level (mOD)
8.12

Co-Ordinates
E 534348.35 N 189520.69

Final Depth
6.00m

Client
Gardiner and Theobald LLP

**Method/
Plant Used** Cable Percussion

Sheet
1 of 1

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
25/02/20		Dry	7.87		0.25	Brown sandy GRAVEL with medium brick and concrete cobble content. Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments. Sand is fine to coarse.	0.30	ES1		VOC 0ppm	
25/02/20		Dry			(0.55)	(MADE GROUND)	0.60	ES2		VOC 0ppm	
26/02/20		Dry	7.32		0.80	Dark brown gravelly fine to coarse SAND. Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments.	0.80	D3			
						(MADE GROUND)	1.00-1.50	B4			
26/02/20		Dry			(1.00)	Reddish brown gravelly sandy CLAY with organic matter. Gravel comprises angular to subrounded fine to coarse flint, brick and concrete fragments.	1.20	ES5		VOC 0ppm	
						(MADE GROUND)	1.50-1.70	ES6		VOC 0ppm	
26/02/20	1.50	Wet	6.32		1.80	1.50 - 1.80 ... becoming very gravelly and sandy					
						Medium dense, light brown sandy angular to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse.	2.00	ES7		VOC 0ppm	
						(RIVER TERRACE DEPOSITS)					
26/02/20	1.50	2.00					2.50	ES8		VOC 0ppm	
							2.50-3.00	B9			
							2.50		N30	2, 5 / 5, 7, 9, 9	
							3.00	ES10		VOC 0ppm	
							3.50	ES11		VOC 0ppm	
							3.50	D12			
26/02/20	4.00	2.20					4.00	ES13		VOC 0ppm	
							4.00-4.50	B14			
							4.00		N25	2, 2 / 5, 6, 7, 7	
							4.50	ES15		VOC 0ppm	
							4.90-5.00	ES16		VOC 0ppm	
			3.22		4.90		4.90	D17			
26/02/20	5.50	Dry			(1.10)	Firm, brown slightly silty CLAY. (THAMES GROUP: LONDON CLAY FORMATION)	5.50				
							5.50-5.95	D18		N12	2, 2 / 2, 3, 3, 4
						5.70 ... becoming grey	5.90	ES19		VOC 0ppm	
26/02/20	5.50	Dry	2.12		6.00		6.00	D20			
						End of Borehole					

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 28/02/20
Date Completed 02/03/20

Ground Level (mOD)
8.07

Co-Ordinates
E 534315.51 N 189504.14

Final Depth
5.00m

Client

Gardiner and Theobald LLP

BOREHOLE SUMMARY

Top (m)	Base (m)	Type	Date Started	Date Ended	Crew	Logged By	Core Barrel (mm)	Core Bit	Plant Used/ Method	SPT Hammer Reference
0.00 1.20	1.20 5.00	IP CP	28/02/2020 02/03/2020	28/02/2020 02/03/2020	DP DP	MW CS			Hand Excavated Dando 175	AR1607

WATER STRIKES

WATER ADDED

CHISELLING / SLOW DRILLING

Strike at (m)	Rise to (m)	Time to Rise (min)	Casing Depth (m)	Sealed (m)	From (m)	To (m)	From (m)	To (m)	Duration (hr)	Remarks
					2.00	3.50				

HOLE

CASING

ROTARY RECOVERY

Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)	From (m)	To (m)	Blows	Recovery (%)
0.00 5.00	150 150	0.00 4.00	150 150				

ROTARY FLUSH DETAIL

From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour

INSTALLATION DETAILS

Type	Diameter (mm)	Depth of Installation (m)	Top of Response Zone (m)	Bottom of Response Zone (m)	Date of Installation
SPG/GW	50	4.50	1.50	4.50	02/03/2020

BACKFILL DETAILS

Top (m)	Bottom (m)	Material	Backfill Date
0.00 0.30 1.50 4.50	0.30 1.50 4.50 5.00	Concrete / Flush Cover Bentonite Pellets Pea Shingle Bentonite Pellets	02/03/2020

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 28/02/20
Date Completed 02/03/20

Ground Level (mOD)
8.07

Co-Ordinates
E 534315.51 N 189504.14

Final Depth
5.00m

Client

Gardiner and Theobald LLP

PROGRESS

Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks
28/02/20	0.00		Dry	
28/02/20	1.20		Dry	
02/03/20	1.20		Dry	
02/03/20	2.00		Wet	... Water Added
02/03/20	2.50	2.50	2.00	
02/03/20	4.50	4.00	Dry	
02/03/20	5.00	4.00	Dry	

SPT DETAILS

Type	Depth (m)	N Value	Blow Count / 75mm	Casing Depth (m)	Water Depth (m)
C	2.50	N17	2, 3 / 3, 4, 5, 5	2.50	2.00
S	4.50	N14	2, 2 / 3, 3, 4, 4	4.00	Dry

GENERAL REMARKS

KEY

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)
U - 100mm Diameter Undisturbed Sample
UT - 100mm Diameter Thin Wall Undisturbed Sample
U38 - 38mm Diameter Undisturbed Sample
D - Disturbed Sample, B-Bulk Sample, LB-Large Bulk Sample, BLK-Block Sample
C - Core Sample, W-Water Sample, R-Root Sample

INSTALLATION DETAILS

SPIE - Standpipe Piezometer
SPGW - Groundwater Monitor Standpipe
SPG/GW - Gas / Groundwater Monitor Standpipe
VWP - Vibrating Wire Piezometer
ICM - Inclinator

HOLE TYPES

JP - Inspection Pit, TP-Trial Pit TT - Trial Trench
CP - Cable Percussion, RC-Rotary Coring, RS-Rotary/Sonic
DS - Dynamic Sampling, DS/R-Dynamic Sampling / Rotary
DC - Diamond Coring, CPR-Cable Percussion Rotary follow on

TESTS S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compounds

Note: All depths are in metres, all diameters in millimetres, water strike rise time in minutes. For details of abbreviations see Key

Issue No: 01

Checked By: OS

Approved By: OS

Log Print Date & Time: 26/03/2020 13:08

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 28/02/20
Date Completed 02/03/20

Ground Level (mOD)
8.07

Co-Ordinates
E 534315.51 N 189504.14

Final Depth
5.00m

Client

Gardiner and Theobald LLP

Method/
Plant Used Cable Percussion

Sheet
1 of 1

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
28/02/20		Dry	7.97		0.10	Asphalt.					
			7.87		0.20	(MADE GROUND)					
						Grey slightly sandy angular to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse.	0.30	ES1		VOC 0ppm	
					(0.70)	(MADE GROUND - Type 1)	0.60	ES2		VOC 0ppm	
			7.17		0.90	Brown sandy clayey GRAVEL with medium brick and concrete cobble content. Gravel comprises angular to subrounded fine to coarse flint, brick, concrete and glass fragments. Sand is fine.					
28/02/20		Dry	6.87		(0.30)	(MADE GROUND)	1.20	ES3		VOC 0ppm	
02/03/20		Dry			1.20	Soft, greyish green gravelly sandy CLAY. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse.	1.20	D4			
			6.57		(0.30)	(ENFIELD SILT MEMBER)	1.50	ES5		VOC 0ppm	
					1.50	Soft, greyish green slightly gravelly slightly sandy silty CLAY. Gravel is subangular to subrounded fine to medium flint. Sand is fine to medium.					
02/03/20		Wet	6.07		(0.50)	(ENFIELD SILT MEMBER)	2.00	ES6		VOC 0ppm	
					2.00	Soft, light grey mottled brown slightly gravelly silty CLAY. Gravel is subangular to rounded fine to medium flint.	2.50	ES8		VOC 0ppm	
02/03/20	2.50	2.00				(ENFIELD SILT MEMBER)	2.50-3.00	B9		N17	2, 3 / 3, 4, 5, 5
					(1.90)	Medium dense, light brown slightly sandy subangular to subrounded fine to coarse flint GRAVEL. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	2.50				
						2.50 ... becoming brown and very sandy	3.00	ES10		VOC 0.1ppm	
							3.50	ES11		VOC 0.3ppm	
						3.50 ... becoming sandy	3.50-3.90	ES12		VOC 0.2ppm	
							3.50	B13			
			4.17		3.90		3.90	ES14		VOC 0.1ppm	
						Firm, grey silty CLAY. (THAMES GROUP: LONDON CLAY FORMATION)	3.90	D15			
02/03/20	4.00	Dry			(1.10)		4.50			N14	2, 2 / 3, 3, 4, 4
							4.50-4.95	D16			
02/03/20	4.00	Dry	3.07		5.00		4.90	ES17		VOC 0ppm	
						End of Borehole	5.00	D18			

Project

Ferry Island (B) Tottenham Hale

Job No
19/3372

Date Started 25/02/20
Date Completed 26/02/20

Ground Level (mOD)
8.56

Co-Ordinates
E 534377.00 N 189490.96

Final Depth
6.20m

Client

Gardiner and Theobald LLP

BOREHOLE SUMMARY

Top (m)	Base (m)	Type	Date Started	Date Ended	Crew	Logged By	Core Barrel (mm)	Core Bit	Plant Used/ Method	SPT Hammer Reference
0.00 1.20	1.20 6.20	IP CP	25/02/2020 26/02/2020	26/02/2020 26/02/2020	DP DP	MW MW			Hand Excavated Dando 175	AR1607

WATER STRIKES

WATER ADDED

CHISELLING / SLOW DRILLING

Strike at (m)	Rise to (m)	Time to Rise (min)	Casing Depth (m)	Sealed (m)	From (m)	To (m)	From (m)	To (m)	Duration (hr)	Remarks
					2.60	4.00				

HOLE

CASING

ROTARY RECOVERY

Depth (m)	Diameter (mm)	Depth (m)	Diameter (mm)	From (m)	To (m)	Blows	Recovery (%)
0.00 6.20	150 150	0.00 5.50	150 150				

ROTARY FLUSH DETAIL

From (m)	To (m)	Flush Type	Flush Return (%)	Flush Colour

INSTALLATION DETAILS

Type	Diameter (mm)	Depth of Installation (m)	Top of Response Zone (m)	Bottom of Response Zone (m)	Date of Installation
SPG/GW	50	5.70	3.00	5.70	26/02/2020

BACKFILL DETAILS

Top (m)	Bottom (m)	Material	Backfill Date
0.00 0.30 3.00 5.70	0.30 3.00 5.70 6.20	Concrete / Flush Cover Bentonite Pellets Pea Shingle Bentonite Pellets	26/02/2020

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Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 25/02/20	Ground Level (mOD) 8.56	Co-Ordinates E 534377.00 N 189490.96	Final Depth 6.20m
Date Completed 26/02/20				

Client

Gardiner and Theobald LLP

PROGRESS					SPT DETAILS					
Date	Hole Depth (m)	Casing Depth (m)	Water Depth (m)	Remarks	Type	Depth (m)	N Value	Blow Count / 75mm	Casing Depth (m)	Water Depth (m)
25/02/20	0.00		Dry		C	3.00	N31	3, 3 / 5, 7, 9, 10	3.00	2.00
25/02/20	0.40		Dry		C	4.50	N25	2, 5 / 5, 5, 7, 8	4.50	2.20
26/02/20	0.40		Dry		S	5.50	N11	2, 2 / 2, 3, 3, 3	5.50	Dry
26/02/20	1.20		Dry							
26/02/20	2.60		Wet	... Water Added						
26/02/20	3.00	3.00	2.00							
26/02/20	4.50	4.50	2.20							
26/02/20	5.50	5.50	Dry							
26/02/20	6.20	5.50	Dry							

GENERAL REMARKS

KEY

SAMPLES

ES - Environmental Sample (Tub, Vial, Jar)
U - 100mm Diameter Undisturbed Sample
UT - 100mm Diameter Thin Wall Undisturbed Sample
U38 - 38mm Diameter Undisturbed Sample
D - Disturbed Sample, B-Bulk Sample, LB-Large Bulk Sample, BLK-Block Sample
C - Core Sample, W-Water Sample, R-Root Sample

INSTALLATION DETAILS

SPIE - Standpipe Piezometer
SPGW - Groundwater Monitor Standpipe
SPG/GW - Gas / Groundwater Monitor Standpipe
VWP - Vibrating Wire Piezometer
ICM - Inclinator

HOLE TYPES

JP - Inspection Pit, TP-Trial Pit TT - Trial Trench
CP - Cable Percussion, RC-Rotary Coring, RS-Rotary/Sonic
DS - Dynamic Sampling, DS/R-Dynamic Sampling / Rotary
DC - Diamond Coring, CPR-Cable Percussion Rotary follow on

TESTS S/C-SPT / CPT, V-Shear Vane, PP-Pocket Penetrometer, MP-Mackintosh Probe, VOC-Volatile Organic Compounds

Note: All depths are in metres, all diameters in millimetres, water strike rise time in minutes. For details of abbreviations see Key

Project

Ferry Island (B) Tottenham Hale

Job No 19/3372	Date Started 25/02/20 Date Completed 26/02/20	Ground Level (mOD) 8.56	Co-Ordinates E 534377.00 N 189490.96	Final Depth 6.20m
Client Gardiner and Theobald LLP	Method/ Plant Used Cable Percussion	Sheet 1 of 1		

PROGRESS			STRATA				SAMPLES & TESTS			Field Records	Instrument/ Backfill
Date	Casing	Water	Level (mOD)	Legend	Depth (Thickness)	Strata Description	Depth (m)	Type No	Test Result		
25/02/20		Dry	8.46		0.10	Asphalt. (MADE GROUND)					
			8.31		0.25						
25/02/20		Dry				Grey sandy angular to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse.	0.30	ES1		VOC 0ppm	
26/02/20		Dry	8.06		0.50	(MADE GROUND - Type 1)	0.40-0.60	B2			
						Brown gravelly fine SAND. Gravel comprises angular to subrounded fine to coarse brick, concrete and asphalt fragments.	0.60	ES3		VOC 0ppm	
			7.76		0.80	(MADE GROUND)	0.60-1.20	B4			
						Brown and orangish brown sandy clayey GRAVEL. Gravel comprises angular to subrounded fine to coarse brick and concrete fragments. Sand is fine to coarse.	1.20	ES5		VOC 0ppm	
26/02/20		Dry			(1.00)	(MADE GROUND)	1.50	ES6		VOC 0ppm	
						Dark brown gravelly clayey fine to coarse SAND. Gravel comprises angular to subrounded fine to coarse brick and concrete fragments.	1.50	D7			
			6.76		1.80	(MADE GROUND)					
						Soft, dark brown gravelly sandy CLAY. Gravel comprises angular to subrounded fine to coarse brick and concrete fragments. Sand is fine to coarse.	2.00	ES8		VOC 0ppm	
					(0.65)	(MADE GROUND)	2.00	D9			
			6.11		2.45						
26/02/20		Wet	5.96		2.60	Soft, orangish brown gravelly sandy CLAY. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse.	2.50	ES10		VOC 0ppm	
						(ENFIELD SILT MEMBER)	2.60	D11			
						Medium dense, light brown sandy angular to subrounded fine to coarse flint GRAVEL. Sand is fine to coarse.	3.00	ES12		VOC 0ppm	
26/02/20	3.00	2.00				(RIVER TERRACE DEPOSITS)	3.00-3.50	B13		N31	3, 3 / 5, 7, 9, 10
							3.00				
							3.50	ES14		VOC 0ppm	
							4.00	ES15		VOC 0ppm	
					(2.60)		4.00	D16			
						4.30 - 5.00 ... becoming slightly clayey	4.50	ES17		VOC 0ppm	
26/02/20	4.50	2.20					4.50-5.00	B18		N25	2, 5 / 5, 5, 7, 8
							4.50				
							5.00-5.20	ES19		VOC 0ppm	
			3.36		5.20		5.20	D20			
						Firm, brown slightly silty CLAY. (THAMES GROUP: LONDON CLAY FORMATION)	5.50				
26/02/20	5.50	Dry			(1.00)		5.50-5.95	D21		N11	2, 2 / 2, 3, 3, 3
26/02/20	5.50	Dry	2.36		6.20		6.20	ES22		VOC 0ppm	
						End of Borehole	6.20	D23			