



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH11
Contract Ref: 371654	Start: 23.01.19 End: 25.01.19	Ground Level (m AOD): 21.70	National Grid Co-ordinate: E:529585.7 N:183781.8	Sheet: 5 of 5

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
36.50	48	D	N=83*	[Hatched Pattern]	Very stiff fissured blue-grey mottled brown CLAY. Fissures are blocky. (LAMBETH GROUP - LOWER MOTTLED BEDS) <i>(stratum copied from 27.95m from previous sheet)</i> ... At 36.50m, 1No 45 degree fissure, planar, smooth, polished.	-16.30	38.00	[Hatched Pattern]	
37.50	12	DSPT							
37.50-37.83	13	SPT							
37.50	49	D	N=150*	[Hatched Pattern]	Very stiff dark brown very sandy CLAY. Sand is fine. With pockets <70mm of (soft) brown, red and blue-grey mottled clay. Occasional pockets <10mm of grey fine and medoum sand. Possibly a sand band mixed with clay. (LAMBETH GROUP - LOWER MOTTLED BEDS) ... Between 39.50m and 40.00m, greyish brown slightly silty fine SAND. With occasional pockets <5mm of (soft) blue-grey clay.	-18.30	40.00	[Hatched Pattern]	
38.50	50	D							
39.00	51	D							
39.50	13	DSPT	N=150*	[Hatched Pattern]	Cable percussion borehole terminated at a depth of 40m.			[Cross-hatched Pattern]	
39.50-39.71	14	SPT							
39.50	52	D							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
Method Used: Inspection pit + Cable percussion						Plant Used: Dando 100 (cut down)			Drilled By: Dave Rosenwold	Logged By: RMiller	Checked By: [Signature]

All dimensions in metres Scale: **1:50**

AGS



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH12
Contract Ref: 371654	Start: 18.01.19 End: 18.01.19	Ground Level (m AOD): 21.24	National Grid Co-ordinate: E:529586.0 N:183759.7	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.50	1	B				MADE GROUND: Paving slab.	21.19	0.05	
						MADE GROUND: Coarse yellow brown SAND.	21.04	0.20	
0.50-1.00	2	B				MADE GROUND: Brown silty very sandy angular to subangular fine to coarse red brick and concrete GRAVEL.		(1.00)	
							20.04	1.20	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

1. Inspection pit dug to 1.20m to check for services. Pit terminated on concrete obstruction at 1.20m and borehole relocated to BH12A.

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000 Mark 2	Drilled By: Dave Hutson	Logged By: RMiller	Checked By:	
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BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH12A
Contract Ref: 371654	Start: 18.01.19 End: 21.01.19	Ground Level (m AOD): 21.27	National Grid Co-ordinate: E:529585.3 N:183761.0	Sheet: 1 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.50	1	B				MADE GROUND: Paving slab.	21.22	0.05	
						MADE GROUND: Yellowish brown coarse SAND.	21.17	0.10	
						MADE GROUND: CONCRETE.	21.07	0.20	
0.50	1	ES				MADE GROUND: Brown slightly clayey very gravelly medium and coarse SAND. Gravel is angular to subrounded brick, concrete and clinker.		(1.20)	
0.50-1.00	2	B PID	0.0ppm						
1.10	1	D				MADE GROUND: Light brown slightly gravelly sandy CLAY. Sand is cream-white fine and medium. Gravel is angular to rounded fine to coarse flint and brick.		1.40	
1.20-1.65	1	SPT(c)	N=4					(0.50)	
1.20	1	D				MADE GROUND: Light brown slightly clayey gravelly fine to coarse SAND. Gravel is subangular and subrounded flint, concrete and brick.		1.90	
1.20-1.70	3	B						(0.80)	
1.50	2	ES				MADE GROUND: Light reddish brown gravelly fine to coarse SAND. Gravel is subangular and subrounded flint and brick. With pockets of clay.		2.70	
1.50	2	PID	0.0ppm					(0.50)	
1.90	2	D				Firm becoming stiff thinly laminated light brown CLAY. With rare becoming occasional medium sand sized selenite crystals. (LONDON CLAY FORMATION)		3.20	
2.00-2.45	2	SPT(c)	N=15						
2.00	2	DSPT				. . . Below 4.50m, fissured, with occasional light orangish brown staining on fissure surfaces. . . . At 4.70m, 1 No fragment of claystone with selenite/calcite veins.			
2.00-2.50	4	B						(4.00)	
2.50	3	ES				. . . At 7.00m, 15mm selenite crystal.			
2.50	3	PID	0.0ppm						
2.70	3	D				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
3.00-3.45	3	SPT(c)	N=6					7.20	
3.00	3	DSPT				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
3.00-3.50	5	B							
3.30	4	ES				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
3.30	4	PID	0.0ppm						
3.70	4	D				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
3.70	4	V	$c_u > 125$						
4.00-4.45	1	UT	50 blows			Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
4.50	5	D							
4.70	6	D				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
5.00-5.45	2	UT	45 blows						
5.50	7	D				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
6.00	8	D							
6.50-6.95	3	UT	50 blows			Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
7.00	9	D							
7.50	10	D				Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
7.50	10	V	$c_u > 125$						
8.00-8.45	4	UT	55 blows			Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION)			
8.50	11	D							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
18/01/19	12:00		-						
18/01/19	17:00	1.40	-		Dry				
21/01/19	08:00	1.40	-		Dry				
21/01/19		11.00	3.00	150	11.00				
21/01/19	17:00	30.00	3.00	150	Dry				
22/01/19	08:00	30.00	3.00	150	12.10				
22/01/19	09:00	30.00	3.00	150	12.10				

1. Inspection pit dug to 1.20m to check for services.
 2. Groundwater seepage encountered at 11.00m depth.
 3. On completion, a 34mm diameter standpipe was installed with a response zone between 23.50m and 24.00m, and a 50mm diameter

All dimensions in metres Scale: **1:50**

Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000 Mark 2	Drilled By: Dave Hutson	Logged By: RMiller	Checked By: AGS
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BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH12A
Contract Ref: 371654	Start: 18.01.19 End: 21.01.19	Ground Level (m AOD): 21.27	National Grid Co-ordinate: E:529585.3 N:183761.0	Sheet: 2 of 4

Samples and In-situ Tests				Water Backfill & Instru- mentation	Description of Strata	Reduced Level	Depth (Thick- ness)	Material Graphic Legend
Depth	No	Type	Results					
9.00	12	D		Water Backfill & Instru- mentation	Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION) <i>(stratum copied from 7.20m from previous sheet)</i>			
9.50-9.95	5	UT	55 blows					
10.00	13	D						
10.50	14	D						
10.50		V	$c_u=107$					
11.00-11.45	4	SPT	N=29					
11.00	4	DSPT						
12.00	15	D						
12.50-12.95	6	UT	60 blows					
13.00	16	D						
13.50	17	D						
14.00-14.45	5	SPT	N=36					
14.00	5	DSPT						
15.00	18	D						
15.00		V	$c_u \Rightarrow 125$					
15.50-15.95	7	UT	65 blows					
16.00	19	D						
16.50	20	D						
17.00-17.45	6	SPT	N=44					
17.00	6	DSPT						

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									combined gas and groundwater monitoring standpipe was installed with a response zone between 1.00m and 5.00m. 4. SPT hammer HD02-2018 ($E_r = 72.00\%$) used.	
Method Used: Inspection pit + Cable percussion						Plant Used: Dando 2000 Mark 2				All dimensions in metres Scale: 1:50
Drilled By: Dave Hutson						Logged By: RMiller			Checked By:	



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH12A
Contract Ref: 371654	Start: 18.01.19 End: 21.01.19	Ground Level (m AOD): 21.27	National Grid Co-ordinate: E:529585.3 N:183761.0	Sheet: 3 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
18.00	21	D			Stiff fissured thinly laminated dark brownish grey CLAY. With rare bioturbations and locally micaceous. (LONDON CLAY FORMATION) <i>(stratum copied from 7.20m from previous sheet)</i>				
18.50-18.95	8	UT	65 blows						
19.00	22	D							
19.50 19.50	23	D V	$c_u > 125$						
20.00-20.45 20.00	7 7	SPT DSPT	N=48						
21.00	24	D							
21.50-21.95	9	UT	70 blows						
22.00	25	D		. . . At 22.00m, rare coarse sand sized pyrite.					
22.50 22.50	26	D V	$c_u > 125$						
23.00-23.45 23.00	8 8	SPT DSPT	N=52						
24.00 24.00	27	D V	$c_u > 125$		Very stiff grey mottled greyish blue CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS)	-2.73	24.00		
24.50-24.95	10	UT	75 blows				(1.00)		
25.00	28	D			Very stiff light brown mottled greyish blue CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS)	-3.73	25.00		
25.50	29	D							
26.00-26.45 26.00	9 9	SPT DSPT	N=57						

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
All dimensions in metres									Scale: 1:50		
Method Used:	Inspection pit + Cable percussion		Plant Used:	Dando 2000 Mark 2		Drilled By:	Dave Hutson		Logged By: RMiller	Checked By:	



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH12A
Contract Ref: 371654	Start: 18.01.19 End: 21.01.19	Ground Level (m AOD): 21.27	National Grid Co-ordinate: E:529585.3 N:183761.0	Sheet: 4 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
27.00	30	D			Very stiff light brown mottled greyish blue CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS) (stratum copied from 25.00m from previous sheet) . . . Below 27.00m, variably mottled light brown, greyish blue, reddish brown and dark yellowish green.		(5.00)		
27.50-27.95	11	UT	95 blows						
28.00	31	D							
28.50 28.50	32	D V	$c_u > 125$						
29.00-29.45 29.00	10 10	SPT DSPT	N=68						
30.00	33	D			Cable percussion borehole terminated at a depth of 30.00m due to borehole instability caused by water seepage.	-8.73	30.00		

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
Method Used: Inspection pit + Cable percussion						Plant Used: Dando 2000 Mark 2			Drilled By: Dave Hutson	
									Logged By: RMiller	
									Checked By: AGS	

All dimensions in metres Scale: **1:50**

BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH13
Contract Ref: 371654	Start: 30.01.19 End: 05.02.19	Ground Level (m AOD): 21.83	National Grid Co-ordinate: E:529606.6 N:183786.4	Sheet: 1 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						Concrete screed.	21.76	0.07	
						Reinforced CONCRETE. 10mm rebar at 60mm, 70mm, 160 and 170mm bgl.	21.55	0.28	
0.40	1	ES PID	0.0ppm			MADE GROUND: Brown slightly sandy gravelly CLAY. Gravel is subangular fine and medium of red brick, concrete and clinker.			
0.40									
0.70	2	ES PID	0.0ppm			... Below 1.20m, frequent fine to coarse flint gravel.			
0.70									
1.20-1.65	1	SPT(c)	N=7						
1.20	1	DSPT						(2.42)	
1.20	3	ES PID	0.0ppm						
1.20									
2.00-2.45	2	SPT(c)	N=6						
2.00	2	DSPT							
							19.13	2.70	
						MADE GROUND: Red brick.		(0.50)	
							18.63	3.20	
						MADE GROUND: Driller notes clay fill and brick rubble.		(0.60)	
							18.03	3.80	
						MADE GROUND: Strong grey SANDSTONE.			
							17.63	4.20	
						MADE GROUND: Light brown sandy clayey subangular medium and coarse concrete and flint GRAVEL.		(0.60)	
							17.03	4.80	
						MADE GROUND: Brown slightly clayey subangular to rounded fine to coarse flint GRAVEL.		(0.70)	
5.00-5.45	3	SPT(c)	N=10						
5.00	3	DSPT					16.33	5.50	
5.50	4	D				Firm to stiff brown and orange-brown CLAY. With partings of orange-brown silt. (LONDON CLAY FORMATION)			
6.00-6.45	1	UT	50 blows 100% recovery			... Below 6.45m, with fine gravel sized selenite crystals and burrows <1mm infilled with brown silt.			
6.45	5	D						(2.50)	
7.00-7.45	4	SPT	N=18			... At 7.00m, thinly laminated.			
7.00	4	DSPT							
7.00	6	D							
8.00	7	D V	c _v =110			Stiff thinly laminated dark greyish brown silty CLAY. With rare selenite crystals and bioturbations. (LONDON CLAY FORMATION)	13.83	8.00	
8.50-8.95	2	UT	50 blows 100% recovery			... At 8.45m, with partings of light brown silt. ... At 8.80m, claystone.			

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
30/01/19	08:00	0.28	-	300	Dry	2.70	3.20	01:03	
30/01/19	17:00	2.70	2.70	150	Dry	3.80	4.20	01:45	
31/01/19	08:00	2.70	2.70	150	Dry				
31/01/19		2.70	2.70	200	Dry				
31/01/19		5.00	5.00	200	5.00				
31/01/19		5.00	5.00	150	5.00				
31/01/19	17:00	5.30	5.30	150	Dry				
01/02/19	08:00	5.30	5.30	150	Dry				

All dimensions in metres Scale: **1:50**

Method Used: Concrete coring (300mm) + Cable	Plant Used: Dando 100 (cut down)	Drilled By: Dave Rosenwold	Logged By: MMcCann	Checked By: AGS
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1. Inspection pit dug to 1.20m through 300mm diameter cored slab to check for services.
 2. Borehole drilled in 6" casing to 2.70m and encountered obstruction. Hole redrilled with 8" casing to 5.00m before reducing to 6" casing. Reduced to 5" casing at 21.00m.
 3. Water added between 4.80m and 5.30m to



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH13
Contract Ref: 371654	Start: 30.01.19 End: 05.02.19	Ground Level (m AOD): 21.83	National Grid Co-ordinate: E:529606.6 N:183786.4	Sheet: 2 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
8.95	8	D							
9.50	9	D				Stiff thinly laminated dark greyish brown silty CLAY. With rare selenite crystals and bioturbations. (LONDON CLAY FORMATION) (stratum copied from 8.00m from previous sheet) . . . Below 9.50m, very stiff.			
9.50		V	$c_u \geq 130$						
10.00-10.45	5	SPT	N=28						
10.00	10	D							
10.00	5	DSPT							
						. . . At 10.70m, claystone.			(6.00)
11.00	11	D							
11.50-11.95	3	UT	80 blows 100% recovery			. . . At 11.35m, claystone.			
11.95	12	D							
12.50	13	D							
13.00-13.45	6	SPT	N=31						
13.00	14	D							
13.00	6	DSPT							
14.00	15	D				Very stiff dark greyish brown slightly sandy silty CLAY. Sand is fine. With pockets of greyish brown silt / fine sand. With frequent bioturbations <1mm. (LONDON CLAY FORMATION)	7.83		14.00
14.50-14.95	4	UT	70 blows 100% recovery						
14.95	16	D							
15.50	17	D							
15.50		V	$c_u \geq 130$						
16.00-16.45	7	SPT	N=35						
16.00	18	D							
16.00	7	DSPT							
17.00	19	D							
17.50-17.95	5	UT	75 blows 100% recovery						

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
01/02/19		19.50	7.00	150	19.50				
01/02/19		21.00	21.00	125	Dry				
01/02/19	17:00	21.00	21.00	125	Dry				
04/02/19	08:00	21.00	21.00	125	17.20				
04/02/19	17:00	31.50	21.00	125	Dry				
05/02/19	08:00	31.50	21.00	125	27.00				
05/02/19	17:00	35.00	21.00	125	Dry				

facilitate drilling may have obscured water strikes/seepages.
 4. Groundwater seepages encountered at 5.00m and 19.50m depth.
 5. On completion, a 50mm diameter combined gas and groundwater monitoring standpipe was installed with a response zone between

All dimensions in metres Scale: **1:50**

Method Used: Concrete coring (300mm) + Cable	Plant Used: Dando 100 (cut down)	Drilled By: Dave Rosenwold	Logged By: MMcCann	Checked By:	
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BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH13
Contract Ref: 371654	Start: 30.01.19 End: 05.02.19	Ground Level (m AOD): 21.83	National Grid Co-ordinate: E:529606.6 N:183786.4	Sheet: 3 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
17.95	20	D	$c_u >= 130$			<p>... Below 17.95m, locally with frequent partings of greyish brown silt / fine sand. Very stiff dark greyish brown slightly sandy silty CLAY. Sand is fine. With pockets of greyish brown silt / fine sand. With frequent bioturbations <1mm. (LONDON CLAY FORMATION) <i>(stratum copied from 14.00m from previous sheet)</i></p> <p>... Below 20.00m, locally with fine gravel sized pockets of greyish brown silt / fine sand.</p> <p>... At 21.50m, pyrite nodule 10mm.</p> <p>... At 24.50m, rare fine pyrite nodules.</p> <p>Very stiff fissured light brown, orange-brown and blue-grey silty CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS)</p> <p>... Below 26.95m, mottled reddish brown.</p>	(11.00)		
17.95		V							
18.50	21	D							
19.00-19.45	8	SPT	N=39						
19.00	22	D							
19.00	8	DSPT							
20.00	23	D							
20.50-20.95	6	UT	85 blows 89% recovery						
20.95	24	D							
21.50	25	D							
22.00-22.45	9	SPT	N=44						
22.00	26	D							
22.00	9	DSPT							
23.00	27	D							
23.50-23.95	7	UT	85 blows 89% recovery						
23.95	28	D							
24.50	29	D							
25.00-25.45	10	SPT	N=44						
25.00	10	DSPT							
25.00	30	D							
26.00	31	D							
26.50-26.95	8	UT	100 blows 89% recovery						

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

1.00m and 5.00m.
6. SPT hammer EQU2136-2018 ($E_r = 87.47\%$) used.

All dimensions in metres Scale: **1:50**

Method Used: Concrete coring (300mm) + Cable	Plant Used: Dando 100 (cut down)	Drilled By: Dave Rosenwold	Logged By: MMcCann	Checked By: AGS
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BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH13
Contract Ref: 371654	Start: 30.01.19 End: 05.02.19	Ground Level (m AOD): 21.83	National Grid Co-ordinate: E:529606.6 N:183786.4	Sheet: 4 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
26.95	32	D			Very stiff fissured light brown, orange-brown and blue-grey silty CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS) <i>(stratum copied from 25.00m from previous sheet)</i>		(4.95)		
27.50	33	D							
28.00-28.44	11	SPT	N=53*						
28.00	11	DSPT							
28.00	34	D							
29.00	35	D							
29.50-29.95	9	UT	100 blows 67% recovery						
29.95	36	D							
30.50	37	D							
31.00-31.38	12	SPT	N=64*						
31.00	12	DSPT							
31.00	38	D							
32.00	39	D			Very stiff dark grey and brown silty CLAY. (LAMBETH GROUP - LOWER MOTTLED BEDS) ... Below 30.50m, fissured and variably mottled dark grey, light grey, brown, pale purple and yellowish brown.	-8.12	29.95		
32.50-32.85	13	SPT	N=77*						
32.50	40	D							
33.50	41	D							
34.50-34.83	14	SPT	N=83*			-13.17	35.00		
34.50	42	D							
Cable percussion borehole terminated at a depth of 35m.									

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
						All dimensions in metres			Scale: 1:50			
Method Used:	Concrete coring (300mm) + Cable		Plant Used:	Dando 100 (cut down)		Drilled By:	Dave Rosenwold		Logged By:	MMcCann	Checked By:	



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH14A
Contract Ref: 371654	Start: 06.02.19 End: 06.02.19	Ground Level (m AOD): 21.82	National Grid Co-ordinate: E:529626.5 N:183770.7	Sheet: 1 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	1	ES PID	0.0ppm			REINFORCED CONCRETE. ... At 0.10 m, 10mm steel rebar	21.52	0.30	
0.40						MADE GROUND: (Very dense) brown slightly silty very sandy fine to coarse subangular concrete and brick GRAVEL.		(0.70)	
0.80	2	ES PID	0.0ppm			MADE GROUND: Light brown medium subangular flint GRAVEL <10mm.	20.82	1.00	
0.80						Cable percussion borehole terminated at a depth of 1.20m due to service obstruction.	20.62	1.20	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

1. Inspection pit excavated to 1.20m depth through a 300mm cored slab to check for services.
 2. An unknown metal pipe was encountered at the base of the pit prompting the boreholes relocation to BH14B.
 3. Borehole BH14B was drilled to 2.20m and

All dimensions in metres Scale: **1:50**

Method Used: Concrete coring (300mm) + Cable	Plant Used: Dando 100 (cut down)	Drilled By: Dave Rosenwold	Logged By: MMcCann	Checked By:	
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BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH14A
Contract Ref: 371654	Start: 06.02.19 End: 06.02.19	Ground Level (m AOD): 21.82	National Grid Co-ordinate: E:529626.5 N:183770.7	Sheet: 2 of 2

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
									encountered concrete obstruction. The borehole was relocated to BH14C which was drilled to 2.20m and encountered concrete obstruction. 4. On terminations boreholes BH14A, BH14B and BH14C were backfilled with arisings and reinstated with concrete.			
						All dimensions in metres		Scale: 1:50				
Method Used:	Concrete coring (300mm) + Cable percussion		Plant Used:	Dando 100 (cut down)		Drilled By:	Dave Rosenwold		Logged By:	MMcCann	Checked By:	



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH15
Contract Ref: 371654	Start: 28.01.19 End: 30.01.19	Ground Level (m AOD): 23.74	National Grid Co-ordinate: E:529626.3 N:183791.3	Sheet: 1 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						REINFORCED CONCRETE	23.54	0.20	
						MADE GROUND: Light grey brown very sandy GRAVEL of fine to coarse concrete with occasional cobbles of concrete.	23.34	0.40	
						CONCRETE	23.24	0.50	
						MADE GROUND: Brown and grey brown slightly clayey very sandy very angular to subangular fine to coarse concrete and brick GRAVEL with high cobble content. Cobbles are of whole and fragmented brick.		(2.00)	
1.50	1	DSPT	N=16						
1.50-1.95	2	SPT(c)							
1.50	3	ES							
							21.24	2.50	
2.50	4	DSPT	N=5			MADE GROUND: Brown, black and grey mottled slightly sandy gravelly CLAY. Sand is fine. Gravel is angular and subangular fine to coarse brick.		(0.50)	
2.50-2.95	5	SPT(c)							
2.50	6	ES					20.74	3.00	
						MADE GROUND: Probable brick and concrete footing of canal wall.			
						. . . Below 3.50m, slightly gravelly very sandy. Gravel also of flint.		(1.60)	
3.50	7	DSPT	NP						
3.50-3.55	8	SPT(c)							
3.50	9	ES							
							19.14	4.60	
4.50	10	DSPT	NP			Firm brown and orange brown CLAY. (LONDON CLAY FORMATION)			
4.50-4.58	11	SPT(c)							
4.50	12	D					18.74	5.00	
4.60	13	D				. . . At 4.60m, claystone.			
4.60	14	D				Firm becoming stiff brown CLAY. With thin laminae and lenses of orange brown clay, occasional selenite crystals and rare gravel of hard light brown silt / claystone. (LONDON CLAY FORMATION)			
5.00	15	DSPT	N=17						
5.00-5.45	16	SPT(c)							
6.00-6.45	17	UT	22 blows 100% recovery					(2.90)	
6.50	18	D							
7.00	19	DSPT	N=21						
7.00-7.45	20	SPT							
							15.84	7.90	
8.00-8.45	21	UT	28 blows 100% recovery			Stiff fissured dark greyish brown CLAY. Fissures are closely spaced and randomly orientated. With grey clay infilled burrows. Rare pyritised sand pockets <5mm and rare light brown fine sand partings. (LONDON CLAY FORMATION)			
8.50	22	D				. . . At 8.50m, claystone.			

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks				
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)					
28/01/19	08:00		-			3.00	4.60	04:00	1. Inspection pit dug to 1.50m using a machine excavator to facilitate structural survey of sheet piled canal wall. 2. Inspection pit backfilled prior to drilling to allow the rig to set up safely. 3. Borehole drilled between buried canal wall and existing sheet piled canal wall.				
28/01/19	13:00	4.70	4.70	200		15.00	16.30	00:50					
28/01/19	17:00	8.50	7.00	150									
29/01/19	08:00	8.50	7.00	150	Dry								
29/01/19	13:00	15.00	7.00	150	15.00								
29/01/19	17:00	20.00	7.00	150									
30/01/19	08:00	20.00	7.00	150	15.90								
30/01/19	13:00	24.90	7.00	150	24.90								
All dimensions in metres						Scale: 1:50							
Method Used:	Inspection pit + Cable percussion			Plant Used:	Bespoke Rig			Drilled By:		Mark Taylor	Logged By:	CSiberry	Checked By:



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH15
Contract Ref: 371654	Start: 28.01.19 End: 30.01.19	Ground Level (m AOD): 23.74	National Grid Co-ordinate: E:529626.3 N:183791.3	Sheet: 2 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	23	DSPT	N=36			Stiff fissured dark greyish brown CLAY. Fissures are closely spaced and randomly orientated. With grey clay infilled burrows. Rare pyritised sand pockets <5mm and rare light brown fine sand partings. (LONDON CLAY FORMATION) <i>(stratum copied from 7.90m from previous sheet)</i>			
9.00-9.45	24	SPT							
9.75	25	D							
10.50-10.95	26	UT	33 blows 100% recovery						
11.00	27	D				... At 11.00m depth, sand partings absent. ... Below 11.00m, pyrite / pyritised sand absent.			
12.00	28	DSPT	N=27						(9.10)
12.00-12.45	29	SPT							
12.75	30	D							
13.50-13.95	31	UT	46 blows 100% recovery						
14.00	32	D				... At 14:00m, claystone.			
15.00	33	DSPT	NP			... At 15.00m, claystone.			
15.00-15.07	34	SPT							
15.75	35	D				... At 15.75m, rare shell fragments.			
16.50-16.95	36	UT	44 blows 100% recovery						
17.00	37	D				Very stiff dark brown slightly sandy CLAY. Sand is fine to medium. Occasional grey clay infilled burrows. Rare forams and occasional mica. (LONDON CLAY FORMATION)	6.74	17.00	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)				
30/01/19	17:00	32.00	7.00	150					4. Groundwater seepages encountered at 15.00m and 24.90m depth. 5. On completion, an 80mm diameter standpipe was installed to 32m to facilitate downhole geophysical survey. 6. SPT hammer GEH3-2019 ($E_r = 47.00\%$) used.			
All dimensions in metres								Scale:	1:50			
Method Used:	Inspection pit + Cable percussion		Plant Used:	Bespoke Rig		Drilled By:	Mark Taylor		Logged By:	CSiberry	Checked By:	



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH15
Contract Ref: 371654	Start: 28.01.19 End: 30.01.19	Ground Level (m AOD): 23.74	National Grid Co-ordinate: E:529626.3 N:183791.3	Sheet: 3 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
18.00 18.00-18.45	38 39	DSPT SPT	N=34			Very stiff dark brown slightly sandy CLAY. Sand is fine to medium. Occasional grey clay infilled burrows. Rare forams and occasional mica. (LONDON CLAY FORMATION) <i>(stratum copied from 17.00m from previous sheet)</i> . . . At 18.75m, silty clay and rare shell fragments. . . . At 20.00m, occasional light brown fine sand lenses. . . . At 21.00m, silty clay. . . . Below 21.75m, occasional light brown fine sand lenses with pyritised sand pockets <10mm and pyrite nodules <15mm. . . . At 24.75m, silty clay.			
18.75	40	D							
19.50-19.95	41	UT	48 blows 100% recovery						
20.00	42	D							
21.00 21.00-21.45	43 44	DSPT SPT	N=42						
21.75	44	D							
22.50-22.95	45	UT	53 blows 100% recovery					(11.20)	
23.00	46	D							
24.00 24.00-24.45	47 48	DSPT SPT	N=43						
24.75	49	D							
25.50-25.95	50	UT	56 blows 100% recovery						
26.00	51	D							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
						All dimensions in metres			Scale: 1:50		
Method Used:	Inspection pit + Cable percussion		Plant Used:	Bespoke Rig		Drilled By:	Mark Taylor		Logged By: CSiberry	Checked By:	



BOREHOLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Borehole: BH15
Contract Ref: 371654	Start: 28.01.19 End: 30.01.19	Ground Level (m AOD): 23.74	National Grid Co-ordinate: E:529626.3 N:183791.3	Sheet: 4 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
27.00 27.00-27.45	52 53	DSPT SPT	N=47			Very stiff dark brown slightly sandy CLAY. Sand is fine to medium. Occasional grey clay infilled burrows. Rare forams and occasional mica. (LONDON CLAY FORMATION) <i>(stratum copied from 17.00m from previous sheet)</i>	-4.46	28.20	
27.75	54	D							
28.20	55	D			Very stiff fissured brown and blue grey mottled CLAY. Fissures are blocky. (LAMBETH GROUP - LOWER MOTTLED BEDS) ... Below 29.00m, mottled reddish brown.				
28.50-28.95	56	UT	68 blows 100% recovery						
29.00	57	D							
30.00 30.00-30.38	58 59	DSPT SPT	N=67*					(3.80)	
30.75	60	D							
31.50-31.95	61	UT	72 blows 100% recovery						
32.00	62	D				Cable percussion borehole terminated at a depth of 32m.	-8.26	32.00	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
						All dimensions in metres			Scale: 1:50		
Method Used:	Inspection pit + Cable percussion		Plant Used:	Bespoke Rig		Drilled By:	Mark Taylor		Logged By: CSiberry	Checked By:	

WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS01	
Contract Ref: 371654	Start: 29.01.19 End: 29.01.19	Ground Level (m AOD): 21.86	National Grid Co-ordinate: E:529571.6 N:183834.7	Sheet: 1 of 2	

Progress Window Run	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Depth	No	Type	Results						
						REINFORCED CONCRETE. ... Two sets of 10mm steel rebar at 0.10 and 0.23 m depth	21.51	(0.35)		
	0.40 0.40	1	ES PID	0,0ppm		MADE GROUND: Orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of clinker, brick and flint.	21.26	0.60		
	0.80 0.80	2	ES PID	0,0ppm		MADE GROUND: Orangish brown slightly gravelly CLAY. Gravel is subangular medium brick. Occasional relict rootlets.	21.06	0.80		
	1.20-1.65	1	SPT	N=8		Firm becoming stiff orangish brown CLAY. With occasional gleying and occasional medium to coarse sand selenite. (LONDON CLAY FORMATION)				
	1.20 - 2.00 (98mm dia) 100% rec									
	1.80	1	D							
	2.00-2.45 2.00	2	SPT V	N=21 c _v =112		... At 2.00m, gleying and occasional pockets of light brownish orange silty clay.		(2.60)		
	2.00 - 3.00 (85mm dia) 100% rec									
	2.50	2	D							
	3.00-3.45 3.00	3	SPT V	N=19 c _v >=125						
	3.00 - 4.00 (75mm dia) 100% rec									
	3.50	3	D			Stiff indistinctly fissured orangish brown CLAY. With light orangish brown staining on fissure surfaces. (LONDON CLAY FORMATION)	18.46	3.40		
	4.00-4.45 4.00	4	SPT V	N=19 c _v >=125				(1.60)		
	4.00 - 5.00 (65mm dia) 100% rec									

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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit excavated to 1.20m depth through a 300mm diameter cored slab to check for services. 2. Clegg hammer test carried out at base of inspection pit. 3. Downhole UXO magnetometer survey carried out by specialist. 4. Stainless steel casing installed throughout depth to facilitate UXO clearance. 5. Final SPT at 5.00m not carried out due to positive reading on UXO magnetometer equipment.	
All dimensions in metres						Scale:	1:25
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler
					Logged By:	RMiller	Checked By:



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS01
Contract Ref: 371654	Start: 29.01.19 End: 29.01.19	Ground Level (m AOD): 21.86	National Grid Co-ordinate: E:529571.6 N:183834.7	Sheet: 2 of 2

Progress	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type						
4.00 - 5.00 (65mm dia) 100% rec 	4.50	4	D			Stiff indistinctly fissured orangish brown CLAY. With light orangish brown staining on fissure surfaces. (LONDON CLAY FORMATION) (stratum copied from 3.40m from previous sheet)	16.86	5.00		
	5.00		V	$c_u > 125$						Window sample borehole terminated at a depth of 5.00m.

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Drilling Progress and Water Observations						General Remarks						
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)							
						6. The borehole remained dry during drilling. 7. On completion the borehole was backfilled with arisings and reinstated with concrete.						
All dimensions in metres						Scale:	1:25					
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler	Logged By:	RMiller	Checked By:		

WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS02
Contract Ref: 371654	Start: 29.01.19 End: 29.01.19	Ground Level (m AOD): 21.83	National Grid Co-ordinate: E:529581.7 N:183820.5	Sheet: 1 of 2

Progress Window Run	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Depth	No	Type	Results						
							REINFORCED CONCRETE. ... Two sets of 10 mm steel rebar at 0.07 and 0.20 m depth	21.54	(0.29)	
	0.40 0.40	1	ES PID	0,0ppm			Firm becoming stiff brown and orange brown CLAY. With pockets of orange brown silt. (LONDON CLAY FORMATION)		0.29	
	1.20-1.65	1	SPT	N=9						
	1.20 - 2.00 (98mm dia) 100% rec	2	D				... At 1.60m, blue grey gleying and relic rootlets. ... At 1.80m, orange brown silt horizon.			
	2.00 2.00-2.45	1 2	D SPT	N=19			... Below 2.00m, becoming thinly laminated. ... At 2.10m, fine gravel sized selenite crystals.			
	2.00 - 3.00 (85mm dia) 100% rec	3	D							
	3.00-3.45 3.00	3	SPT V	N=17 c _v =92			... At 2.90m, fine gravel sized selenite crystals.			
	3.00 - 4.00 (75mm dia) 100% rec	4	D				... At 3.30m, thin claystone band <50mm.			
	4.00-4.45	4	SPT	N=17						
	4.00 - 5.00 (65mm dia) 100% rec								(4.71)	

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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
		3.50	-		3.50	1. Inspection pit excavated to 1.20m depth through a 300mm diameter cored slab to check for services. 2. Clegg hammer test carried out within base of inspection pit. 3. Downhole UXO magnetometer survey carried out by specialist. 4. Stainless steel casing installed throughout depth to facilitate UXO clearance. 5. Slight groundwater seepage at 3.50m depth. 6. On completion the borehole was backfilled with arisings and reinstated with	
All dimensions in metres						Scale:	1:25
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler
				Logged By:	MMcCann	Checked By:	



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS02	
Contract Ref: 371654	Start: 29.01.19 End: 29.01.19	Ground Level (m AOD): 21.83	National Grid Co-ordinate: E:529581.7 N:183820.5	Sheet: 2 of 2	

Progress	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type						
4.00 - 5.00 (65mm dia) 100% rec 	4.60	5	D			Firm becoming stiff brown and orange brown CLAY. With pockets of orange brown silt. (LONDON CLAY FORMATION) (stratum copied from 0.29m from previous sheet) . . . At 4.80m, fine to medium gravel sized selenite. Window sample borehole terminated at a depth of 5.00m.	16.83	5.00		
	5.00		V	$c_u > 125$						

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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	concrete.	

All dimensions in metres Scale: **1:25**

Method Used: Concrete coring (300mm) +	Plant Used: Modular Dynamic Sampling Rig	Drilled By: Liam Tyler	Logged By: MMcCann	Checked By: AGS
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WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS03
Contract Ref: 371654	Start: 29.01.19 End: 29.01.19	Ground Level (m AOD): 22.04	National Grid Co-ordinate: E:529576.0 N:183815.5	Sheet: 1 of 2

Progress Window Run	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thick ness)	Material Graphic Legend
	Depth	No	Type	Results					
						REINFORCED CONCRETE. ... Two sets of 10 mm steel rebar at 0.06 and 0.20 m depth	21.75	0.29	
	0.40 0.40 0.40	1 1 1	ES D PID	0.1ppm		MADE GROUND: Brown slightly gravelly CLAY with rare cobbles of red brick. Gravel is fine to coarse subangular red brick.	21.55	0.49	
	0.70 0.70 0.70	2 2 2	ES D PID	0.0ppm		Firm becoming stiff brown and orange brown CLAY. With pockets of orange brown silt. (LONDON CLAY FORMATION)			
	1.20-1.65	1	SPT	N=5					
	1.20 - 2.00 (98mm dia)	3	D			... At 1.80m, brown silt horizon.			
	2.00-2.45 2.00	2	SPT V	N=18 c _v =108		... Below 2.00m, becoming thinly laminated.			
	2.00 - 3.00 (85mm dia)	4	D			... At 2.60m, occasional fine gravel sized selenite crystals.			
	3.00-3.45 3.00	3	SPT V	N=16 c _v =122				(4.96)	
	3.00 - 4.00 (75mm dia)	5	D						
	4.00-4.45 4.00	4	SPT V	N=22 c _v >=125		... At 3.80m, fine gravel sized selenite crystals.			

GINT_LIBRARY_v8_07_GLB LibVersion: v8_07 | Log WINDOW SAMPLE LOG - A4P | 371654 UGLY BROWN BUILDING.GPJ - v8_07.
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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
		2.50	-		2.50	1. Inspection pit excavated to 1.20m depth through a 300mm diameter cored slab to check for services. 2. Downhole UXO magnetometer survey carried out by specialist. 3. Stainless steel casing installed throughout depth to facilitate UXO clearance. 4. Groundwater seepages encountered at 2.50m and 4.50m depth. 5. On completion, a 50mm combined gas and groundwater monitoring standpipe installed with a response zone between 1.00m and 2.00m depth.	
		4.50	-		4.50		
All dimensions in metres						Scale:	1:25
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler
				Logged By:	MMcCann		Checked By:



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS03
Contract Ref: 371654	Start: 29.01.19 End: 29.01.19	Ground Level (m AOD): 22.04	National Grid Co-ordinate: E:529576.0 N:183815.5	Sheet: 2 of 2

Progress	Samples / Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type						
4.00 - 5.00 (65mm dia) 	4.80	6	D			Firm becoming stiff brown and orange brown CLAY. With pockets of orange brown silt. (LONDON CLAY FORMATION) <i>(stratum copied from 0.49m from previous sheet)</i>				
	5.00-5.45 5.00	5	SPT V	N=17 c _v >125				16.59		5.45
						Window sample borehole terminated at a depth of 5.45m.				

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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						All dimensions in metres Scale: 1:25	

Method Used: Concrete coring (300mm) +	Plant Used: Modular Dynamic Sampling Rig	Drilled By: Liam Tyler	Logged By: MMcCann	Checked By: AGS
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WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS04
Contract Ref: 371654	Start: 30.01.19 End: 30.01.19	Ground Level (m AOD): 21.76	National Grid Co-ordinate: E:529596.4 N:183800.5	Sheet: 1 of 2

Progress Window Run	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Depth	No	Type	Results						
						REINFORCED CONCRETE. ... Two sets of 10 mm steel rebar at 0.08 and 0.16 m depth	21.48	(0.28) 0.28		
	0.70 0.70	1	ES PID	0.0ppm		MADE GROUND: Dark brown slightly clayey very sandy subangular to subrounded fine to coarse brick, concrete, flint and clinker GRAVEL. With occasional pieces of plastic. Occasional cobbles of concrete and brick with rare pockets of brown clay.		(1.22)		
	0.90	2	D							
	1.20-1.65	3	SPT(c)	N=9		MADE GROUND: Orange brown and brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse clinker, brick and concrete.	20.26	1.50		
	2.00 2.00-2.45 2.00	4 5	ES SPT PID	N=21 0.0ppm					(0.70)	
	2.50	6	D			Stiff thinly laminated light brown CLAY. With occasional gleying and medium to coarse sand sized selenite crystals. Locally with orange brown staining. (LONDON CLAY FORMATION)	19.56	2.20		
	3.00-3.45 3.00	7	SPT V	N=29 c _v =92						
	3.50	8	D			... At 3.80m, coarse claystone gravel.		(3.25)		
	4.00-4.45 4.00	9	SPT V	N=37 c _v =113						

GINT_LIBRARY_v8_07_GLB LibVersion: v8_07 | Log WINDOW SAMPLE LOG - A4P | 371654 UGLY BROWN BUILDING.GPJ - v8_07.
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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
30/01/19		2.10	-		2.10	1. Inspection pit excavated to 1.20m depth through a 300mm diameter cored slab to check for services. 2. The sides of the inspection pit were unstable. 3. Clegg hammer test carried out within the base of the inspection pit. 4. Groundwater seepage encountered at 2.10m depth. 5. Stratum depths approximate where recovery <100%. 6. On completion the borehole was backfilled with arisings and reinstated with	
All dimensions in metres						Scale:	1:25
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler
						Logged By:	RMiller
						Checked By:	



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS04
Contract Ref: 371654	Start: 30.01.19 End: 30.01.19	Ground Level (m AOD): 21.76	National Grid Co-ordinate: E:529596.4 N:183800.5	Sheet: 2 of 2

Progress	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type						
4.00 - 5.00 (65mm dia) 100% rec 	4.50	10	D			Stiff thinly laminated light brown CLAY. With occasional gleying and medium to coarse sand sized selenite crystals. Locally with orange brown staining. (LONDON CLAY FORMATION) (stratum copied from 2.20m from previous sheet)				
	5.00-5.45 5.00	11	SPT V	N=41 c _v =119			16.31	5.45		
						Window sample borehole terminated at a depth of 5.45m.				

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Drilling Progress and Water Observations						General Remarks						
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	concrete.						
All dimensions in metres						Scale:	1:25					
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler	Logged By:	RMiller	Checked By:		



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS05	
Contract Ref: 371654	Start: 30.01.19 End: 30.01.19	Ground Level (m AOD): 21.77	National Grid Co-ordinate: E:529593.8 N:183785.4	Sheet: 1 of 2	

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type					
						REINFORCED CONCRETE. ... Two sets of 20 mm steel rebar at 0.04 and 0.16 m depth	21.51	0.26	
		0.60 0.60	1	ES PID	0.0ppm	MADE GROUND: Dark brown very sandy angular to subrounded brick, concrete, flint and clinker GRAVEL. Sand is fine to coarse. Locally with pockets of light brown clay.			
		0.90	2	D					
		1.20-1.65	3	SPT(c)	N=20			(1.89)	
		2.00-2.07	4	SPT(c)	NP			19.62	
<p>1.20 - 2.00 (98mm dia) 40% rec</p> <p>2.00 - 2.15 (85mm dia) 20% rec</p>						The window sample borehole was terminated at a depth of 2.15m on a brick obstruction.			

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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit excavated to 1.20m depth through a 300mm diameter cored slab to check for services. 2. The sides of the inspection pit were unstable. 3. Clegg hammer test carried out within the base of the inspection pit. 4. Stratum depths approximate where recovery <100%. 5. Borehole terminated due to formed brick obstruction at 2.15m depth. 6. On completion a 50mm combined gas and groundwater monitoring standpipe	
All dimensions in metres						Scale:	1:25
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler
						Logged By:	RMiller
						Checked By:	



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS05
Contract Ref: 371654	Start: 30.01.19 End: 30.01.19	Ground Level (m AOD): 21.77	National Grid Co-ordinate: E:529593.8 N:183785.4	Sheet: 2 of 2

Progress	Samples / Tests				Water Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type					

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Drilling Progress and Water Observations						General Remarks						
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)							
						was installed with a response zone between 1.00m and 2.00m.						
All dimensions in metres										Scale:	1:25	
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler		Logged By:	RMiller	Checked By:	



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS06
Contract Ref: 371654	Start: 30.01.19 End: 30.01.19	Ground Level (m AOD): 21.79	National Grid Co-ordinate: E:529598.8 N:183773.8	Sheet: 1 of 1

Progress Window Run	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Depth	No	Type	Results						
	0.60 0.60	1	ES PID	0.0ppm			REINFORCED CONCRETE (300 mm core)	21.51	0.28	
	1.20-1.58	2	SPT(c)	N=74*			MADE GROUND: Dark brown very sandy angular to sub rounded fine to coarse GRAVEL of brick, concrete and clinker. Sand is fine to coarse. Occasional cobbles of concrete and brick with rare pockets of light brown clay.		(1.22)	
	1.40-1.50	3	SPT(c)	N=195*						
							The window sample borehole was terminated at a depth of 1.50m due to very dense ground conditions.	20.29	1.50	

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Drilling Progress and Water Observations						General Remarks					
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)						
						1. Inspection pit excavated to 1.20m depth through a 300mm diameter cored slab to check for services. 2. The borehole was terminated at 1.58m depth due to very dense ground conditions. 3. On completion the borehole was backfilled with arisings and reinstated with concrete.					
						All dimensions in metres	Scale: 1:25				
Method Used:	Concrete coring (300mm) +		Plant Used:	Modular Dynamic Sampling Rig		Drilled By:	Liam Tyler	Logged By:	RMiller	Checked By:	



WINDOW SAMPLE LOG

Contract: Ugly Brown Building		Client: The Trustees of the St Pancras Way Block A Unit Trust & Big Lobster Ltd		Window Sample: WS07
Contract Ref: 371654	Start: 11.01.19 End: 11.01.19	Ground Level (m AOD): 21.74	National Grid Co-ordinate: E:529614.5 N:183786.7	Sheet: 1 of 1

Progress	Samples / Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
	Window Run	Depth	No	Type						
							REINFORCED CONCRETE. . . . One set of 15 mm steel rebar at 0.065m depth, and three sets of 10 mm steel rebar at 0.08, 0.17 and 0.19m depth. Concrete core complete at 0.22m depth.	21.52	0.22	

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Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		

All dimensions in metres Scale: **1:25**

Method Used: Concrete coring (300mm) +	Plant Used: Modular Dynamic Sampling Rig	Drilled By: ???	Logged By: MMcCann	Checked By:	
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Modular Dynamic Sampling

Neil Burrows
Southern Testing Laboratories
Unit 11
Charlwoods Road
East Grinstead
RH19 2HU

SPT Hammer Ref: GEH3
Test Date: 02/02/2018
Report Date: 02/02/2018
File Name: GEH3.spt
Test Operator: NPB

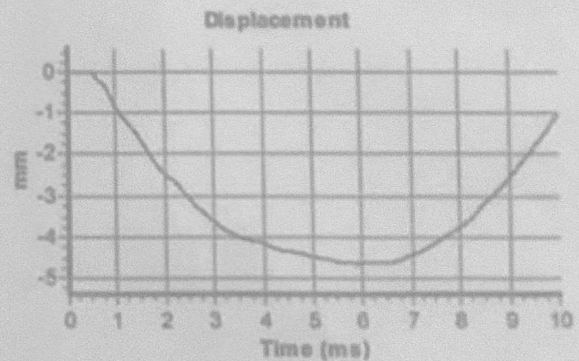
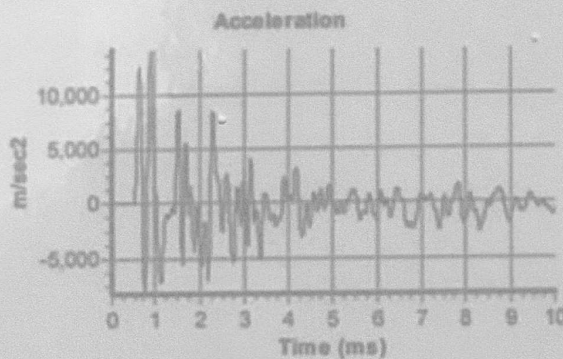
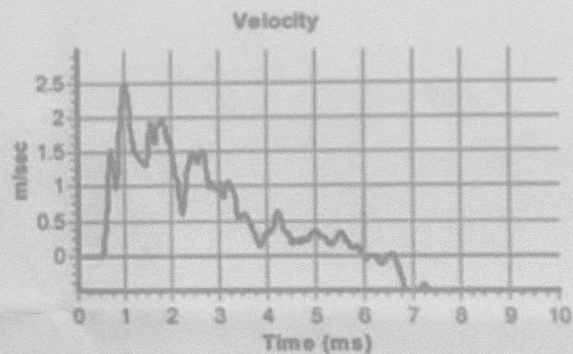
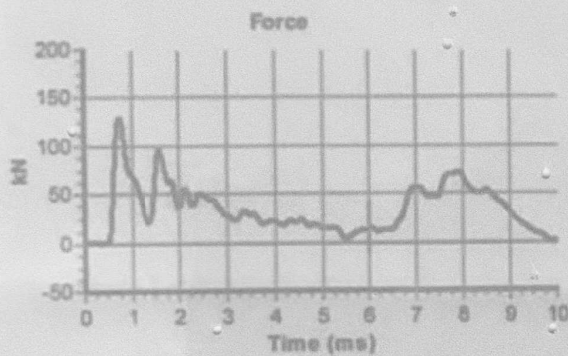
Instrumented Rod Data

Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.0
Assumed Modulus E_a (GPa): 200
Accelerometer No.1:
Accelerometer No.2:

SPT Hammer Information

Hammer Mass m (kg): 64.5
Falling Height h (mm): 750
SPT String Length L (m): 14.5

Comments / Location



Calculations

Area of Rod A (mm^2): 905
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 223

Energy Ratio E_r (%): **47**

NP Burrows

Signed: N P Burrows
Title: Field Operations Manager

The recommended calibration interval is 12 months



Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Dynamic sampling uk ltd
5-8 victory parkway
victory road
Derby
DE24 8ZF

Hammer Ref: 100.68
Test Date: 07/03/2018
Report Date: 09/03/2018
File Name: 100.68.spt
Test Operator: TP

Instrumented Rod Data

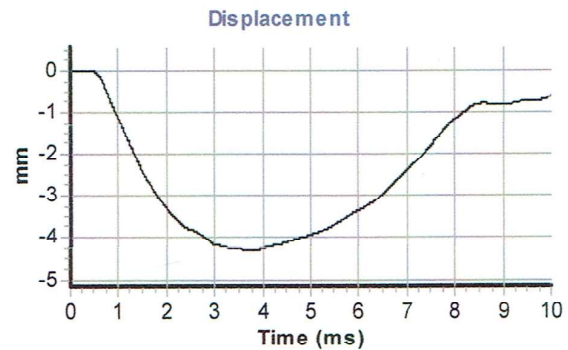
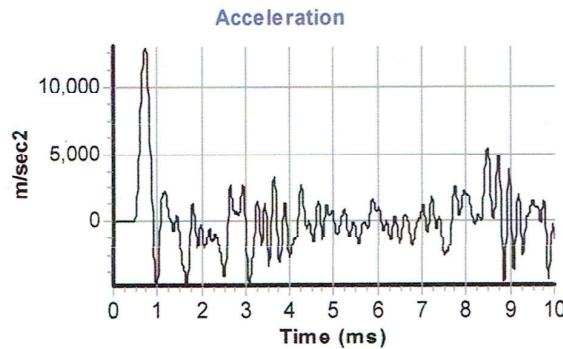
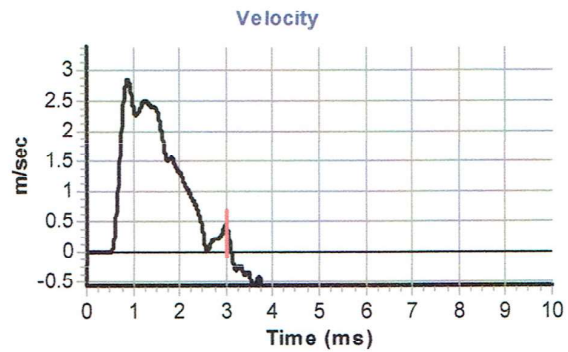
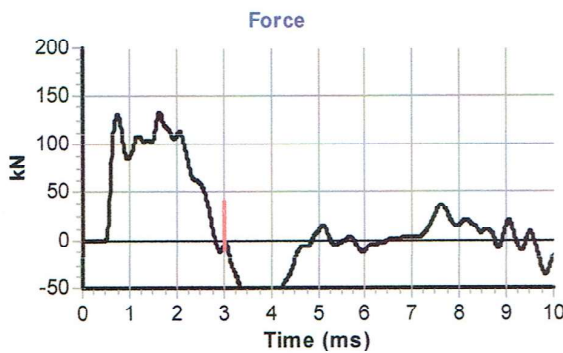
Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.9
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 6455
Accelerometer No.2: 6457

Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
String Length L (m): 15.0

Comments / Location

Modular rig tested at Dynamic samplings yard.



Calculations

Area of Rod A (mm^2): 1021
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 370

Energy Ratio E_r (%):

78

Signed: T.parker.

Title: Associate Director.

The recommended calibration interval is 12 months