

Hole ID: TP H12
Site Location: Clarendon Road Phase 3
Client: St William LLP
Method: Excavator (22 tonne)
Date: 15/07/2020

Date Started: 15/07/2020
Date Completed: 15/07/2020
Ground Level:
Easting:
Northing:

Depth (m)	Material Description	Sample ID		Observations/Comments
		PID ppm	ID No.	
Surface	Trial pit started in remediation excavation, 2m bgl.			
2	Firm brown mottled grey silty CLAY			
2.15		0	TP H12 2.15m	No staining or odour
2.4		0	TP H12 2.4m	No staining or odour
2.65		0	TP H12 2.65m	No staining or odour
2.9			TP H12 2.9m	No staining or odour
	End of Hole at 2.9 mbgl			

Logged by: Alix Hamilton
End of hole: 2.9m

Record material type and depth. Collect one sample from each strata

Record any obstructions and the depth of the obstruction.

Document the progress of works and any changes in ground conditions across the site via photographs

Hole ID: TP I12
Site Location: Clarendon Road Phase 3
Client: St William LLP
Method: Excavator (22 tonne)
Date: 15/07/2020

Date Started: 15/07/2020
Date Completed: 15/07/2020
Ground Level:
Easting:
Northing:

Depth (m)	Material Description	Sample ID		Observations/Comments
		PID ppm	ID No.	
Surface	Trial pit started in remediation excavation, 2m bgl.			
2	Firm brown mottled grey silty CLAY			
2.15		1	TP I12 2.15m	No staining or odour
2.4		0.1	TP I12 2.4m	No staining or odour
2.65		0.2	TP I12 2.65m	No staining or odour
2.9		0.1	TP I12 2.9m	No staining or odour
End of Hole at 2.9 mbgl				

Logged by: Alix Hamilton
End of hole: 2.9m

Record material type and depth. Collect one sample from each strata

Record any obstructions and the depth of the obstruction.

Document the progress of works and any changes in ground conditions across the site via photographs

Hole ID: TP I11
Site Location: Clarendon Road Phase 3
Client: St William LLP
Method: Excavator (22 tonne)
Date: 15/07/2020

Date Started: 15/07/2020
Date Completed: 15/07/2020
Ground Level:
Easting:
Northing:

Depth (m)	Material Description	Sample ID		Observations/Comments
		PID ppm	ID No.	
Surface	Trial pit started in remediation excavation, 2m bgl.			
2	Firm brown mottled grey silty CLAY			
2.15		0.3	TP I11 2.15m	No staining or odour
2.4		0.1	TP I11 2.4m	No staining or odour
3.15		0.1	TP I11 3.15m	No staining or odour
3.4		0.1	TP I11 3.4	No staining or odour
	End of Hole at 3.4 mbgl			

Logged by: Alix Hamilton
End of hole: 3.4m

Record material type and depth. Collect one sample from each strata

Record any obstructions and the depth of the obstruction.

Document the progress of works and any changes in ground conditions across the site via photographs

Hole ID: TP H11
Site Location: Clarendon Road Phase 3
Client: St William LLP
Method: Excavator (22 tonne)
Date: 15/07/2020

Date Started: 15/07/2020
Date Completed: 15/07/2020
Ground Level:
Easting:
Northing:

Depth (m)	Material Description	Sample ID		Observations/Comments
		PID ppm	ID No.	
Surface	Trial pit started in remediation excavation, 2m bgl.			
2	Firm brown mottled grey silty CLAY			
2.15		0.1	TP H11 2.15m	No staining or odour
2.4		0.2	TP H11 2.4m	No staining or odour
2.65		0.1	TP H11 2.65m	No staining or odour
2.9		0.1	TP H11 2.9m	No staining or odour
End of Hole at 2.9 mbgl				

Logged by: Alix Hamilton
End of hole: 2.9m

Record material type and depth. Collect one sample from each strata

Record any obstructions and the depth of the obstruction.

Document the progress of works and any changes in ground conditions across the site via photographs

KEY TO EXPLORATORY HOLE LOGS

The logging of soils and rocks has been carried out in general accordance with BS5930: 2015+A1:2020 and BS EN ISO 14688 [Parts 1 and 2]. Where appropriate logging to CIRIA C570 or CIRIA C574 has been adopted.

Sample type

B	Large disturbed sample
C	Core run
CS	Rotary core sub-sample
D	Small disturbed sample
ES	Environmental sample
SPT	Standard penetration test carried out using split spoon (split spoon sample retained)
SPT C	Standard penetration test carried out using solid cone (no sample retained)
U70 or U100	Undisturbed sample followed by nominal dia. of sample. (Using thick-walled open-tube sampler – OS-TK/W)
UT100	Undisturbed sample followed by nominal dia. of sample. (Using thin-walled open-tube sampler – OS-T/W)
W	Water sample

Water levels

		3.00m/Dry
Initial Water Strike	Level after monitoring	Standing Level/No groundwater encountered

In situ Testing

S 30	Denotes SPT undertaken using split spoon followed by N Value (EN ISO 22476-3:2005+A1:2011)
C 30	Denotes SPT undertaken using solid cone followed by N Value (EN ISO 22476-3:2005+A1:2011)
*240	Denotes SPT where full test drive has not been completed and linearly extrapolated N value reported
**	Denotes no effective penetration (Linearly extrapolated N value > 1000)
H 30	Hand shear vane. Direct reading in kPa

Sample range

	Undisturbed sample		Core run		U(T)100 Undisturbed Samples		Rotary core sub-sample
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Strata Boundaries

	Solid boundary
	Estimated boundary
	Gradational boundary

Installation Details

	Porous Tip		Screened Standpipe		Bentonite seal
	Plain standpipe		Granular response zone		Concrete
	Grout		Backfill with arisings		

Revision history

Version	Date	Author	Reviewed by	Reason for revision
V1	19/08/20	E. Withington	M. Atherton	First issue (new format)

WINDOWLESS SAMPLE LOG



Borehole No.

WS01

Sheet 1 of 1

Telephone: 01452 739165 , Fax: , Email: info@ccground.co.uk

Project Name: Clarendon Phase 3	Project No: C6842	Co-ords: E 530760 N 189901	Hole Type WLS
Location: Wood Green	Level: 22.85mAOD	Scale 1 : 50.00	
Client: Keltbray	Dates: Start: 03/08/2020 End: 03/08/2020	Logged By JH	

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAOD)	Legend
		No/Type	Depth (m)	Result						
							Soft brown silty CLAY.			
							0.45-0.60m: With frequent selenite crystals (<1mm).			
							0.70-3.70m: Mottled grey and light brown.			
1		H	0.60	52			0.80-0.85m: Frequent fine gravel sized white translucent crystals. (<4mm).			
		ES	1.00				0.90-1.00m: Locally firm.			
		H	1.20	53						
		ES	1.50							
		H	1.80	80			1.60-1.70m: Locally mottled yellowish brown.	(3.70)		
2		ES	2.00				2.00-2.10m: Locally soft.			
		H	2.40	93			2.40-2.60m: Mottling absent.			
		ES	2.50				2.50m: 1no pocket of yellowish brown silt (<8mm)			
		H	2.80	103						
3		ES	3.00				3.00-3.15m: Locally firm.			
		H	3.30	104						
		ES	3.50							
							Friable light brown SILT.	3.70	19.15	
4		ES	4.00				Stiff dark brown mottled orangish brown silty CLAY.	3.75	19.10	
		H	4.10	102			3.75m: 1no cobble of mudstone (<80mm).			
		ES	4.50				4.20-5.00m: Locally firm.			
5		ES	5.00							
		H	5.20	59						
		ES	5.50					(3.25)		
6		ES	6.00				6.30m: Becoming dark grey mottled orangish brown.			
		H	6.20	120						
		ES	6.50							
		H	6.75	137						
7		ES	7.00				7.00m: Dry.	7.00	15.85	
							Borehole completed at 7.00m			
8										

EQUIPMENT: Hand digging tools. Terrier 2002 track mounted rig.
 METHOD: Hand dug inspection pit: 0.00-1.20m. Continuous disturbed sampling using 101mm and 76mm sample barrels: 1.20-7.00m.
 CASING: None used.
 GROUNDWATER: None encountered.
 BACKFILL: Upon completion, borehole backfilled with bentonite pellets.
 REMARKS: Set out at locations identified by client. Permeability (falling head) test carried out (see separate sheet).

Groundwater:

Date Strike Depth (m) Casing Depth (m) Depth After Observation (m)

Hole Progress:

Date Hole Depth (m) Casing Depth (m) Water Depth (m)
 03/08/2020 17:00 7.00



WINDOWLESS SAMPLE LOG

Telephone: 01452 739165 , Fax: , Email: info@ccground.co.uk

Project Name: Clarendon Phase 3	Project No: C6842	Co-ords: E 530767 N 189899	Hole Type WLS
Location: Wood Green	Level: 22.92mAOD	Scale 1 : 50.00	
Client: Keltbray	Dates: Start: 03/08/2020 End: 03/08/2020	Logged By JH	

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
1							MADE GROUND: Firm dark brown slightly gravelly slightly sandy slightly silty CLAY. Gravel is of brick.	0.20	22.72	
							Soft dark grey mottled green grey silty CLAY.	0.40	22.52	
							Firm brownish grey mottled orangish brown silty CLAY.			
								(1.10)		
2										
		H	0.40	56						
		ES	0.50							
3										
		ES	1.10				1.20m: Becoming brown mottled grey.			
		H	1.30	60						
		ES	1.50				Firm brown mottled orangish brown silty CLAY.	1.50	21.42	
4										
		H	1.90	76						
		ES	2.00							
		H	2.20	79			2.30-2.40m: Becoming mottled brownish grey.			
5										
		ES	2.50	97			Stiff brown indistinctly thinly laminated silty CLAY.	2.50	20.42	
		H	2.60							
6										
		ES	3.00							
		H	3.40	110			3.30-7.00m: With occasional lenses of yellowish brown silt (<12mm).			
		ES	3.50				3.70-3.75m: Yellowish brown very sandy silt.			
7										
		ES	4.00							
		H	4.20	94			4.20-7.00m: Becoming dark grey mottled orangish brown.			
		ES	4.50							
8										
		H	4.80	137						
		ES	5.00							
9										
		H	5.40	124						
		ES	5.50							
10										
		ES	6.00				6.00-6.20m: Mottling absent.			
		H	6.10	98						
		ES	6.50							
11										
		ES	7.00				7.00m: Dry.	7.00	15.92	
							Borehole completed at 7.00m			

EQUIPMENT: Hand digging tools. Terrier 2002 track mounted rig.
 METHOD: Hand dug inspection pit: 0.00-1.20m. Continuous disturbed sampling using 101mm and 76mm sample barrels: 1.20-7.00m.
 CASING: None used.
 GROUNDWATER: None encountered.
 BACKFILL: Upon completion, borehole backfilled with bentonite pellets.
 REMARKS: Set out at locations identified by client. Permeability (falling head) test carried out (see separate sheet).

Groundwater:

Date Strike Depth (m) Casing Depth (m) Depth After Observation (m)

Hole Progress:

Date Hole Depth (m) Casing Depth (m) Water Depth (m)
 03/08/2020 17:00 7.00

WINDOWLESS SAMPLE LOG



Borehole No.

WS03

Sheet 1 of 1

Telephone: 01452 739165 , Fax: , Email: info@ccground.co.uk

Project Name: Clarendon Phase 3	Project No: C6842	Co-ords: E 530773 N 189903	Hole Type WLS
Location: Wood Green	Level: 23.00mAOD	Scale 1 : 50.00	
Client: Keltbray	Dates: Start: 03/08/2020 End: 03/08/2020	Logged By JH	

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAOD)	Legend
		No/Type	Depth (m)	Result						
1		H	0.20	68			MADE GROUND: Greyish brown sandy silty angular to sub-angular fine to coarse GRAVEL of brick and sandstone. Firm brown mottled brownish grey and orangish brown silty CLAY.	0.10	22.90	
		ES	0.50							
		ES	1.00					(1.70)		
		H	1.20	55						
2		ES	1.50	67			1.40-1.70m: Stiff. 1.50m: Pocket of yellow brown sandy silt (<4mm). 1.60-1.80m: With occasional medium sand sized white translucent crystals (<1mm). Firm brown mottled orangish brown silty CLAY.	1.80	21.20	
		H	1.60	71						
		ES	2.00							
		ES	2.50	97			2.40m: Becoming mottled orangish brown.			
3		H	2.60				2.60m: Becoming stiff.			
		ES	3.00				2.70-7.00m: With occasional pockets of yellowish brown silt (<9mm). 3.00-3.50m: Locally mottled grey.			
		H	3.30	103						
		ES	3.50				3.50-3.70m: Mottling absent.			
4		ES	4.00	108						
		H	4.10							
		ES	4.50					(5.20)		
		ES	5.00							
5		ES	5.45	139			5.20m: With occasional selenite crystals (<16mm).			
		H	5.50							
		ES	6.00							
		ES	6.50				6.20-7.00m: With frequent selenite crystals (<8mm).			
7		ES	7.00				7.00m: Dry. Borehole completed at 7.00m	7.00	16.00	
8										

EQUIPMENT: Hand digging tools. Terrier 2002 track mounted rig.
 METHOD: Hand dug inspection pit: 0.00-1.20m. Continuous disturbed sampling using 101mm and 76mm sample barrels: 1.20-7.00m.
 CASING: None used.
 GROUNDWATER: None encountered.
 BACKFILL: Upon completion, borehole backfilled with bentonite pellets.
 REMARKS: Set out at locations identified by client. Permeability (falling head) test carried out (see separate sheet).

Groundwater:

Date Strike Depth (m) Casing Depth (m) Depth After Observation (m)

Hole Progress:

Date Hole Depth (m) Casing Depth (m) Water Depth (m)
 04/08/2020 17:00 7.00

WINDOWLESS SAMPLE LOG



Borehole No.

WS04

Sheet 1 of 1

Telephone: 01452 739165 , Fax: , Email: info@ccground.co.uk

Project Name: Clarendon Phase 3	Project No: C6842	Co-ords: E 530796 N 189923	Hole Type WLS
Location: Wood Green	Level: 22.89mAOD	Scale 1 : 50.00	
Client: Keltbray	Dates: Start: 04/08/2020 End: 04/08/2020	Logged By JH	

(m)	Water Levels	Samples & In Situ Testing			Sample	Install	Description	Depth (m)	Level (mAD)	Legend
		No/Type	Depth (m)	Result						
1							MADE GROUND: Greyish brown sandy silty angular to sub-angular fine to coarse GRAVEL of brick and sandstone. Firm brown mottled dark grey silty CLAY.	0.10	22.79	
		ES H	0.50 0.55	69				(0.95)		
		ES	1.00				Brown gravelly slightly sandy slightly silty CLAY. Gravel is angular to sub-angular fine to medium of mudstone.	1.05	21.84	1
2		ES H	1.50 1.55	85			Stiff brown mottled grey silty CLAY. 1.50-1.80m: Mottled orangish brown.	1.45	21.44	
		ES	2.00				2.00-2.20m: Very soft.			2
		H ES	2.30 2.50	72			2.20-2.40m: Firm.			
3								(2.55)		
		ES H	3.00 3.20	100			2.90-7.00m: With occasional pockets of yellowish brown silt (<8mm).			3
		ES H	3.50 3.75	100			3.50-3.80m: With rare selenite crystals (<3mm).			
4		ES	4.00				3.85m: 1no cobble of mudstone.	4.00	18.89	4
							Stiff brown indistinctly thinly laminated grey mottled orangish brown silty CLAY.			
		ES	4.50							
5		H ES	4.80 5.00	107				(3.00)		5
		ES	5.50							
		H ES	5.80 6.00	126			6.10m: Becoming dark grey.			6
6		ES H	6.50	128						
		ES	7.00				Borehole completed at 7.00m	7.00	15.89	7
8										8

EQUIPMENT: Hand digging tools. Terrier 2002 track mounted rig.
 METHOD: Hand dug inspection pit: 0.00-1.20m. Continuous disturbed sampling using 101mm and 76mm sample barrels: 1.20-7.00m.
 CASING: None used.
 GROUNDWATER: None encountered.
 BACKFILL: Upon completion, borehole backfilled with bentonite pellets.
 REMARKS: Set out at locations identified by client. Permeability (falling head) test carried out (see separate sheet).

Groundwater:

Date Strike Depth (m) Casing Depth (m) Depth After Observation (m)

Hole Progress:

Date Hole Depth (m) Casing Depth (m) Water Depth (m)
 01/08/2020 17:00 7.00