

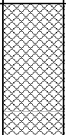








APPENDIX B

Engineers Logs


Project Title: 113 Charville Lane							Status:		Location ID		<div> Part of the CTS Group</div> <div>Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com</div> <div>Sheet 1 of 1</div>				
Client: Hillingdon Borough Council							FINAL		WS01						
Method and Plant Used				Groundwater			Location Type: Window Sampler								
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Coords: 508881.645E/183225.368N Level: 33.464m								
0.00	1.20	IP	Insulated and digging tools	3.10	-	-	Ordnance Survey Great Britain National Grid		Final Depth: 4.45 m						
1.20	4.45	WS	Tracked Window Sampling Rig				Orientation: 0°		Inclination: 90°						
				Date Start: 17/07/2023		Date End: 17/07/2023									
Samples & Tests				Water Level (m)	Legend /Cover	Strata Depth (m)	Level (m)	Strata Description			Window Sampling		Inst/ Backfill	Depth (m)	
Sample Depth (m)	Type/ Ref	Tests/Results									WS Run	Diam (mm)	Recovery (%)		
0.00 - 0.20 0.05 - 0.15 0.05 - 0.15	B 1 D 2 ES					0.20	33.26	Soft light brown slightly sandy gravelly ORGANIC SILT with frequent very fine to medium active roots. Sand is fine. Gravel is subangular and subrounded fine and medium brick, flint, glass, metal and concrete. [MADE GROUND]							
0.50 - 0.60 0.50 - 0.60	D 3 ES							Firm and stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine and medium. Gravel is subangular and subrounded, fine and medium brick, flint, glass, metal and concrete. [MADE GROUND] from 0.20 to 0.80m bgl - Lenses of black staining up to 20mm.							
0.80 - 1.00 0.80 - 1.00	B 5 D 4					0.80	32.66	Stiff yellowish brown slightly sandy slightly gravelly CLAY with occasional very fine and fine active roots and selenite crystals. Sand is coarse. Gravel is subrounded fine claystone. [LONDON CLAY FORMATION]						1	
1.20 - 1.65 1.30 - 1.50	B 6 B 7	SPT(S) 1.20m N=9 (1,1/2,2,2,3) HSV 1.25m (p)= 60 kPa (r)= 16 kPa HSV 1.25m (p)= 68 kPa (r)= 12 kPa HSV 1.25m (p)= 76 kPa (r)= 18 kPa													
1.60 - 2.00	B 8	HSV 1.50m (p)= 48 kPa (r)= 12 kPa HSV 1.50m (p)= 58 kPa (r)= 16 kPa HSV 1.50m (p)= 60 kPa (r)= 12 kPa				1.55	31.91	Stiff grey and orange mottled slightly gravelly CLAY, with selenite crystals. Gravel is subrounded fine and medium claystone. [LONDON CLAY FORMATION]							
2.00 - 2.45	B 9	SPT(S) 2.00m N=12 (2,2/3,3,3,3)						from 2.00 to 2.50m bgl - Gravel becomes angular to subrounded fine and medium.						2	
2.50 - 3.00	B 10	HSV 2.50m (p)= 40 kPa (r)= 16 kPa HSV 2.50m (p)= 48 kPa (r)= 16 kPa HSV 2.50m (p)= 74 kPa (r)= 14 kPa				2.50	30.96	Very stiff grey and orange mottled CLAY, with selenite crystals. [LONDON CLAY FORMATION]							
3.00 - 3.45	B 11	SPT(S) 3.00m N=15 (3,2/3,3,4,5) HSV 3.00m (p)= 82 kPa (r)= 10 kPa HSV 3.00m (p)= 88 kPa (r)= 18 kPa HSV 3.00m (p)= 96 kPa (r)= 16 kPa						from 3.00 to 3.10m bgl - Becomes slightly gravelly. Gravel is subrounded fine and medium claystone. from 3.10 to 4.00m bgl - Bands of slightly sandy slightly gravelly SILT. Sand is coarse. Gravel is subrounded fine and medium claystone.						3	
3.50 - 4.00	B 12	HSV 3.50m (p)= 100 kPa (r)= 10 kPa HSV 3.50m (p)= 70 kPa (r)= 18 kPa HSV 3.50m (p)= 86 kPa (r)= 6 kPa													
4.00 - 4.45	B 13	SPT(S) 4.00m N=19 (1,2/4,4,5,6)												4	
						4.45	29.01	EOH at 4.45m - Target depth.						5	
Notes:							Hole Diameter		Casing		Hammer Information		Scale: 1:25		
1. Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services. 2. Borehole was dry and stable upon completion. 3. Groundwater seepage was recorded at 3.1m bgl. 4. No visual or olfactory evidence of gross contamination was encountered.							Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	Logged By:	AW	
							1.20	300			62%	CKWS02	Checked By:	GF	
							2.00	102			Install Response Zones		Approved By:	GF	
							3.00	87			Ref	From (m)	To (m)	Section ID:	
							4.00	75						CGL Reference	
							4.45	25						CGK/00808	


Project Title: 113 Charville Lane							Status:		Location ID		<div> Part of the CTS Group</div> <div>Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com</div> <div>Sheet 1 of 1</div>				
Client: Hillingdon Borough Council							FINAL		WS02						
Method and Plant Used				Groundwater			Location Type: Window Sampler								
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Coords: 508875.886E/183222.654N Level: 33.449m								
0.00	1.20	IP	Insulated hand digging tools	3.10	-	-	Ordnance Survey Great Britain National Grid		Final Depth: 4.45 m						
1.20	4.45	WS	Tracked Window Sampling Rig				Orientation: 0°		Inclination: 90°						
				Date Start: 17/07/2023		Date End: 17/07/2023									
Samples & Tests				Water Level (m)	Legend /Cover	Strata Depth (m)	Level (m)	Strata Description				Window Sampling		Inst/ Backfill	Depth (m)
Sample Depth (m)	Type/ Ref	Tests/Results										WS Run	Diam (mm)	Recovery (%)	
0.05 - 0.10 0.05 - 0.10	B 1 ES							Soft light brown slightly sandy gravelly ORGANIC SILT with frequent very fine to medium active roots. Sand is fine. Gravel is subangular and subrounded fine and medium brick, flint, glass, metal and concrete. [MADE GROUND]							
0.20 - 0.30 0.20 - 0.30 0.20 - 0.30	B 3 D 2 ES					0.45	33.00	Stiff orangish brown slightly gravelly CLAY with occasional very fine and fine active roots. Gravel is subrounded fine claystone. [LONDON CLAY FORMATION] <i>from 0.45 to 1.50m bgl - Lenses of black staining up to 50mm.</i>							
0.60 - 0.80 0.60 - 0.80	D 4 ES							Stiff orangish brown slightly gravelly CLAY with occasional very fine and fine active roots. Gravel is subrounded fine claystone. [LONDON CLAY FORMATION] <i>from 1.20 to 1.45m bgl - Bands of yellowish brown slightly sandy slightly gravelly SILT. Sand is coarse. Gravel is subrounded fine claystone.</i>							1
1.20 - 1.65	B 5	SPT(S) 1.20m N=9 (1,2/2,2,3,2)						<i>from 1.20 to 1.45m bgl - Bands of yellowish brown slightly sandy slightly gravelly SILT. Sand is coarse. Gravel is subrounded fine claystone.</i>							
1.50 - 2.00	B 6	HSV 1.50m (p)= 64 kPa (r)= 18 kPa HSV 1.50m (p)= 66 kPa (r)= 16 kPa HSV 1.50m (p)= 70 kPa (r)= 20 kPa				1.45	32.00	Very stiff brown, orange and grey mottled CLAY, with selenite crystals. [LONDON CLAY FORMATION] <i>from 1.45 to 3.00m bgl - Bands of yellowish brown slightly sandy slightly gravelly SILT. Sand is fine. Gravel is subrounded fine claystone.</i>							
2.00 - 2.45	B 7	HSV 1.90m (p)= 74 kPa (r)= 14 kPa HSV 1.90m (p)= 78 kPa (r)= 18 kPa HSV 1.90m (p)= 86 kPa (r)= 12 kPa SPT(S) 2.00m N=12 (1,2/2,3,4,3)						<i>from 2.70 to 2.80m bgl - Clusters of selenite crystals up to 10mm.</i>							2
2.60 - 3.00	B 8	HSV 2.50m (p)= 80 kPa (r)= 16 kPa HSV 2.50m (p)= 82 kPa (r)= 18 kPa HSV 2.50m (p)= 84 kPa (r)= 16 kPa						<i>from 3.40 to 4.00m bgl - Bands of yellowish brown slightly sandy SILT. Sand is fine and medium. Clusters of selenite crystals up to 5mm encountered. 3.60m bgl - Becomes greyish brown</i>							
3.00 - 3.45	B 9	HSV 2.90m (p)= 80 kPa (r)= 4 kPa HSV 2.90m (p)= 90 kPa (r)= 14 kPa HSV 2.90m (p)= 92 kPa (r)= 16 kPa SPT(S) 3.00m N=12 (2,2/2,3,3,4)													3
3.50 - 4.00	B 10														
4.00 - 4.45	B 11	HSV 3.90m (p)= 70 kPa (r)= 8 kPa HSV 3.90m (p)= 74 kPa (r)= 10 kPa HSV 3.90m (p)= 84 kPa (r)= 6 kPa SPT(S) 4.00m N=16 (1,2/3,3,5,5)													4
						4.45	29.00	EOH at 4.45m - Target depth.							5







Notes:							Hole Diameter		Casing		Hammer Information			Scale: 1:25	
1. Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services. 2. Borehole was dry and stable upon completion. 3. Groundwater seepage was recorded at 3.1m bgl. 4. No visual or olfactory evidence of gross contamination was encountered.							Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	Logged By:	AW	
							1.20	300			62%	CKWS02	Checked By:	GF	
							2.00	102			Install Response Zones		Approved By:	GF	
							3.00	87			Ref	From (m)	To (m)	Section ID:	
							4.00	75						CGL Reference	
							4.45	25						CGK/00808	

Project Title: 113 Charville Lane							Status:		Location ID		<div> Part of the CTS Group</div> <div>Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com</div> <div>Sheet 1 of 1</div>				
Client: Hillingdon Borough Council							FINAL		WS03						
Method and Plant Used				Groundwater			Location Type: Window Sampler								
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Coords: 508869.694E/183219.869N Level: 33.460m								
0.00	1.20	IP	Insulated hand digging tools				Ordnance Survey Great Britain National Grid		Final Depth: 4.45 m						
1.20	4.45	WS	Tracked window sampling rig				Orientation: 0°		Inclination: 90°						
							Date Start: 17/07/2023		Date End: 17/07/2023						
Samples & Tests				Water Level (m)	Legend /Cover	Strata Depth (m)	Level (m)	Strata Description				Window Sampling		Inst/ Backfill	Depth (m)
Sample Depth (m)	Type/ Ref	Tests/Results	WS Run									Diam (mm)	Recovery (%)		
0.10 - 0.20 0.10 - 0.20	D 1 ES	SPT(S) 1.00m N=9 (1,1/2,2,2,3)		0.30	33.16	Soft light brown slightly sandy gravelly ORGANIC SILT with frequent very fine to medium active roots. Sand is fine. Gravel is subangular and subrounded fine to coarse brick, flint, metal, concrete, chalk and metal pipe ~200mm in length. [MADE GROUND]									
0.50 - 0.60 0.50 - 0.60	B 2 D					Stiff orangish brown slightly gravelly CLAY with occasional very fine and fine active roots. Gravel is subrounded fine claystone. [LONDON CLAY FORMATION] 0.30m bgl - Lenses of orangish brown CLAY									
0.80 - 0.90	B 3														
1.20 - 1.45	B 4	HSV 1.60m (p)= 56 kPa (r)= 4 kPa HSV 1.60m (p)= 76 kPa (r)= 10 kPa HSV 1.60m (p)= 80 kPa (r)= 18 kPa		1.00	32.46	Stiff yellowish brown slightly sandy slightly gravelly CLAY with occasional very fine and fine active roots and selenite crystals. Sand is coarse. Gravel is subrounded fine flint and claystone. [LONDON CLAY FORMATION]							1		
1.50 - 2.00	B 5														
2.00 - 2.45	B 6					Very stiff yellowish brown CLAY with selenite crystals. [LONDON CLAY FORMATION] from 2.20 to 3.30m bgl - Bands of orangish brown slightly sandy SILT. Sand is coarse. from 2.50 to 4.00m bgl - Clusters of selenite crystals up to 10mm encountered.									
3.00 - 3.45	B 7	HSV 2.50m (p)= 68 kPa (r)= 18 kPa HSV 2.50m (p)= 76 kPa (r)= 10 kPa HSV 2.50m (p)= 78 kPa (r)= 18 kPa											2		
3.70 - 4.00	B 8														
4.00 - 4.45	B 9					from 3.70 to 4.00m bgl - Bands of orangish brown slightly sandy slightly gravelly SILT. Sand is coarse. Gravel is subrounded fine claystone.									
				4.45	29.01	EOH at 4.45m - Target depth.									

[illegible]

Project Title: 113 Charville Lane							Status: FINAL		Location ID WS05		 Part of the CTS Group							
Client: Hillingdon Borough Council														Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com				
Method and Plant Used				Groundwater			Location Type: Window Sampler											
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Coords: 508887.491E/183207.066N Level: 33.323m											
0.00	1.20	IP	Insulated hand digging tools				Ordnance Survey Great Britain National Grid		Final Depth: 4.45 m									
1.20	4.45	WS	Tracked Window Sampling Rig				Orientation: 0°		Inclination: 90°									
							Date Start: 17/07/2023							Date End: 17/07/2023				
Samples & Tests					Water Level (m)	Legend /Cover	Strata Depth (m)	Level (m)	Strata Description				Window Sampling			Inst/ Backfill	Depth (m)	
Sample Depth (m)	Type/ Ref	Tests/Results		WS Run									Diam (mm)	Recovery (%)				
0.20 - 0.30 0.20 - 0.30	ES ES 1								Soft light brown slightly gravelly sandy SILT with frequent very fine to medium active roots. Sand is fine and medium. Gravel is subangular to rounded fine to coarse glass, flint, brick and concrete. [MADE GROUND]									
0.50 - 0.60	ES 2					0.40	32.92		Stiff and very stiff orangish brown slightly sandy gravelly CLAY with occasional very fine active roots. Sand is fine and medium. Gravel is subangular and subrounded fine to coarse chalk, brick, flint and concrete. [MADE GROUND]									
1.20 - 1.45	B 3	SPT(S) 1.20m N=10 (1,2/2,2,3,3)				0.75	32.57		Stiff orangish brown slightly sandy gravelly CLAY, with selenite crystals and very fine active roots. Gravel is subrounded fine and medium claystone. [LONDON CLAY FORMATION]								1	
1.50 - 2.00	B 4	HSV 1.50m (p)= 76 kPa (r)= 18 kPa HSV 1.50m (p)= 78 kPa (r)= 16 kPa HSV 1.50m (p)= 80 kPa (r)= 14 kPa				1.40	31.92		Very stiff orangish brown and grey mottled slightly sandy gravelly CLAY, with selenite crystals and occasional very fine active roots. Gravel is subrounded fine and medium claystone. [LONDON CLAY FORMATION] from 1.40 to 1.85m bgl - Lenses of black staining up to 10mm. Lenses of orange slightly sandy slightly gravelly SILT, with coarse active roots. Gravel is subangular fine claystone.									
2.00 - 2.45	B 5	SPT(S) 2.00m N=17 (2,2/3,4,5,5)				1.85	31.47		Very stiff grey and orange mottled CLAY with selenite crystals. [LONDON CLAY] from 1.85 to 3.00m bgl - Occasional inactive very fine roots.								2	
2.50 - 3.00	B 6	HSV 2.50m (p)= 80 kPa (r)= 8 kPa HSV 2.50m (p)= 86 kPa (r)= 10 kPa HSV 2.50m (p)= 92 kPa (r)= 12 kPa							from 2.48 to 3.65m bgl - Lenses of orange slightly sandy slightly gravelly SILT, with very fine inactive roots. Gravel is subangular fine claystone.									
3.00 - 3.45	B 7	SPT(S) 3.00m N=17 (2,2/3,4,5,5) HSV 3.00m (p)= 70 kPa (r)= 6 kPa HSV 3.00m (p)= 74 kPa (r)= 10 kPa HSV 3.00m (p)= 78 kPa (r)= 18 kPa							from 3.30 to 3.65m bgl - Clusters of selenite crystals up to 10mm.								3	
3.50 - 4.00	B 8	HSV 3.50m (p)= 100 kPa (r)= 50 kPa HSV 3.50m (p)= 90 kPa (r)= 20 kPa HSV 3.50m (p)= 98 kPa (r)= 10 kPa				3.85	29.47		Very stiff greyish brown CLAY with selenite crystals. [LONDON CLAY] from 3.85 to 4.45m bgl - Lenses of orange slightly sandy SILT. Clusters of selenite crystals up to 10mm.								4	
4.00 - 4.45	B 9	SPT(S) 4.00m N=19 (1,3/3,5,5,6)				4.45	28.87		EOH at 4.45m - Target depth.								5	
Notes:									Hole Diameter		Casing		Hammer Information		Scale: 1:25			
1. Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services. 2. Borehole was stable upon completion. 3. No groundwater was encountered. 4. No visual or olfactory evidence of gross contamination was encountered.									Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	Logged By:	AW		
									1.20	300			62%	CKWS02	Checked By:	GF		
									2.00	102			Install Response Zones		Approved By:	GF		
									3.00	87			Ref	From (m)	To (m)	Section ID:		
									4.00	75						CGL Reference		
									4.45	25						CGK/00808		

Project Title: 113 Charville Lane							Status:		Location ID		<div> Part of the CTS Group</div> <div>Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com</div> <div>Sheet 1 of 1</div>					
Client: Hillingdon Borough Council							FINAL		WS06							
Method and Plant Used				Groundwater			Location Type: Window Sampler									
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Coords: 508893.657E/183208.416N Level: 33.318m									
0.00	1.20	IP	Insulated hand digging tools				Ordnance Survey Great Britain National Grid		Final Depth: 4.45 m							
1.20	4.45	WS	Tracked window sampling rig				Orientation: 0°		Inclination: 90°							
							Date Start: 17/07/2023		Date End: 17/07/2023							
Samples & Tests				Water Level (m)	Legend /Cover	Strata Depth (m)	Level (m)	Strata Description				Window Sampling			Inst/ Backfill	Depth (m)
Sample Depth (m)	Type/ Ref	Tests/Results	WS Run									Diam (mm)	Recovery (%)			
0.10 - 0.20 0.10 - 0.20	ES ES 1					0.20	33.12	Soft light brown slightly sandy slightly gravelly SILT, with very fine to medium active roots. Gravel is subangular to rounded fine to coarse glass, flint, brick and concrete. [MADE GROUND]								
0.30 - 0.35 0.30 - 0.35	ES ES 2					0.40	32.92	Yellowish brown slightly clayey slightly gravelly fine to coarse SAND with occasional very fine to coarse active roots. Gravel is angular to subrounded fine to coarse flint, concrete and brick. [MADE GROUND]								
0.55 - 0.65	ES					0.70	32.62	Stiff orangish brown slightly sandy slightly gravelly CLAY. Gravel is subrounded fine and medium claystone. [LONDON CLAY FORMATION]								
								Stiff grey and orange mottled slightly gravelly CLAY, with selenite crystals. Gravel is subrounded fine and medium claystone. [LONDON CLAY FORMATION]								
1.20 - 1.65	B 3	SPT(S) 1.20m N=10 (1,1/2,2,3,3)						from 1.25 to 1.26m bgl - Coarse active root. from 1.25 to 2.17m bgl - Lenses of orange slightly sandy SILT. from 1.35 to 2.17m bgl - Claystone becomes fine. Rare fine inactive roots.								
1.50 - 2.00	B 4	HSV 1.50m (p)= 70 kPa (r)= 10 kPa HSV 1.50m (p)= 70 kPa (r)= 12 kPa HSV 1.50m (p)= 72 kPa (r)= 10 kPa														
2.00 - 2.45	B 5	HSV 1.90m (p)= 72 kPa (r)= 18 kPa HSV 1.90m (p)= 84 kPa (r)= 22 kPa HSV 1.90m (p)= 94 kPa (r)= 20 kPa SPT(S) 2.00m N=15 (1,2/3,3,4,5)				2.17	31.15	Very stiff orange and grey mottled CLAY with selenite crystals. [LONDON CLAY FORMATION]								
2.50 - 3.00	B 6	HSV 2.50m (p)= 52 kPa (r)= 16 kPa HSV 2.50m (p)= 64 kPa (r)= 18 kPa HSV 2.50m (p)= 70 kPa (r)= 20 kPa						from 2.55 to 4.45m bgl - Lenses of orange slightly sandy SILT.								
3.00 - 3.45	B 7	HSV 2.90m (p)= 78 kPa (r)= 18 kPa HSV 2.90m (p)= 82 kPa (r)= 16 kPa HSV 2.90m (p)= 90 kPa (r)= 12 kPa SPT(S) 3.00m N=15 (1,2/3,3,4,5)						from 2.90 to 4.45m bgl - Clusters of selenite crystals up to 15mm.								
3.50 - 4.00	B 8	HSV 3.50m (p)= 80 kPa (r)= 18 kPa HSV 3.50m (p)= 84 kPa (r)= 10 kPa HSV 3.50m (p)= 96 kPa (r)= 12 kPa						from 3.70 to 4.45m bgl - Becomes greyish brown.								
4.00 - 4.45	B 9	HSV 3.90m (p)= 76 kPa (r)= 8 kPa HSV 3.90m (p)= 84 kPa (r)= 6 kPa HSV 3.90m (p)= 94 kPa (r)= 16 kPa SPT(S) 4.00m N=19 (2,2/3,4,6,6)				4.45	28.87	EOH at 4.45m - Target depth.								
Notes:								Hole Diameter		Casing		Hammer Information		Scale: 1:25		
1. Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services. 2. Borehole was dry and stable upon completion. 3. No groundwater was encountered. 4. No visual or olfactory evidence of gross contamination was encountered. 5. Location moved as coarse tree roots were encountered in first inspection pit.								Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	Logged By:	AW	
								1.20	300			62%	CKWS02	Checked By:	GF	
								2.00	102			Install Response Zones		Approved By:	GF	
								3.00	87			Ref From (m) To (m)		Section ID:		
								4.00	75			CGL Reference		CGK/00808		
								4.45	25							

Project Title: 113 Charville Lane							Status:		Location ID		<div> Part of the CTS Group</div> <div>Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com</div> <div>Sheet 1 of 1</div>				
Client: Hillingdon Borough Council							FINAL		WS07						
Method and Plant Used				Groundwater			Location Type: Window Sampler								
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Coords: 508897.863E/183172.876N Level: 33.347m								
0.00	1.20	IP	Insulated hand digging tools				Ordnance Survey Great Britain National Grid		Final Depth: 4.45 m						
1.20	4.45	WS	Tracked window sampling rig				Orientation: 0°		Inclination: 90°						
							Date Start: 17/07/2023		Date End: 17/07/2023						
Samples & Tests				Water Level (m)	Legend /Cover	Strata Depth (m)	Level (m)	Strata Description				Window Sampling		Inst/ Backfill	Depth (m)
Sample Depth (m)	Type/ Ref	Tests/Results										WS Run	Diam (mm)	Recovery (%)	
0.10 - 0.20 0.10 - 0.20	ES ES 1					0.25	33.10	Soft dark brown slightly sandy slightly gravelly SILT, with occasional very fine and medium active roots. Sand is fine and medium. Gravel is subangular and subrounded fine and medium flint and brick. [MADE GROUND]							
0.30 - 0.60 0.30 - 0.60	ES ES 2					0.65	32.70	Soft yellowish brown slightly sandy CLAY with frequent very fine and medium active roots. Sand is fine. [LONDON CLAY FORMATION]							
1.00 - 1.45	B 3					1.25	32.10	Stiff slightly gravelly CLAY with very fine and medium active roots. Gravel is subrounded fine and medium claystone. [LONDON CLAY FORMATION] from 0.65 to 1.25m bgl - Lenses of black staining up to 30mm.						1	
1.50 - 2.00	B 4					2.00	31.35	Stiff greyish brown CLAY, with selenite crystals. [LONDON CLAY FORMATION] from 1.25 to 2.00m bgl - Lenses of whitish brown slightly gravelly SILT. Gravel is subrounded fine claystone.							
2.00 - 2.45	B 5							Very stiff orange and grey mottled CLAY, with selenite crystals. [LONDON CLAY FORMATION] from 2.00 to 3.00m bgl - Lenses of whitish brown slightly sandy SILT. Sand is fine.						2	
2.50 - 3.00	B 6	HSV 2.50m (p)= 100 kPa (r)= 0 kPa HSV 2.50m (p)= 102 kPa (r)= 0 kPa HSV 2.50m (p)= 98 kPa (r)= 0 kPa													
3.00 - 3.45	B 7	SPT(S) 3.00m N=17 (2,2/3,4,4,6)						from 3.00 to 4.00m bgl - Lenses of orangish brown slightly sandy SILT. Sand is fine.						3	
3.50 - 4.00	B 8														
4.00 - 4.45	B 9	HSV 3.80m (p)= 100 kPa (r)= 0 kPa HSV 3.80m (p)= 108 kPa (r)= 0 kPa HSV 3.80m (p)= 98 kPa (r)= 0 kPa SPT(S) 4.00m N=20 (2,3/4,5,5,6)						from 3.95 to 4.00m bgl - Lenses of whitish brown slightly sandy SILT. Sand is fine.						4	
						4.45	28.90	EOH at 4.45m - Target depth.						5	
Notes:							Hole Diameter		Casing		Hammer Information		Scale: 1:25		
1. Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services. 2. Borehole was dry and stable upon completion. 3. No groundwater was encountered. 4. No visual or olfactory evidence of gross contamination was encountered. 5. Shear vanes not undertaken in certain sections as the material was too desiccated.							Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	Logged By: AW		
							1.20	300			62%	CKWS02	Checked By: GF		
							2.00	102			Install Response Zones		Approved By: GF		
							3.00	87			Ref		Section ID:		
							4.00	75			From (m)	To (m)	CGL Reference		
							4.45	25					CGK/00808		