

## APPENDIX B

*Engineers Logs*

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

Project Title: 113 Charville Lane

Client: Hillingdon Borough Council

Status:

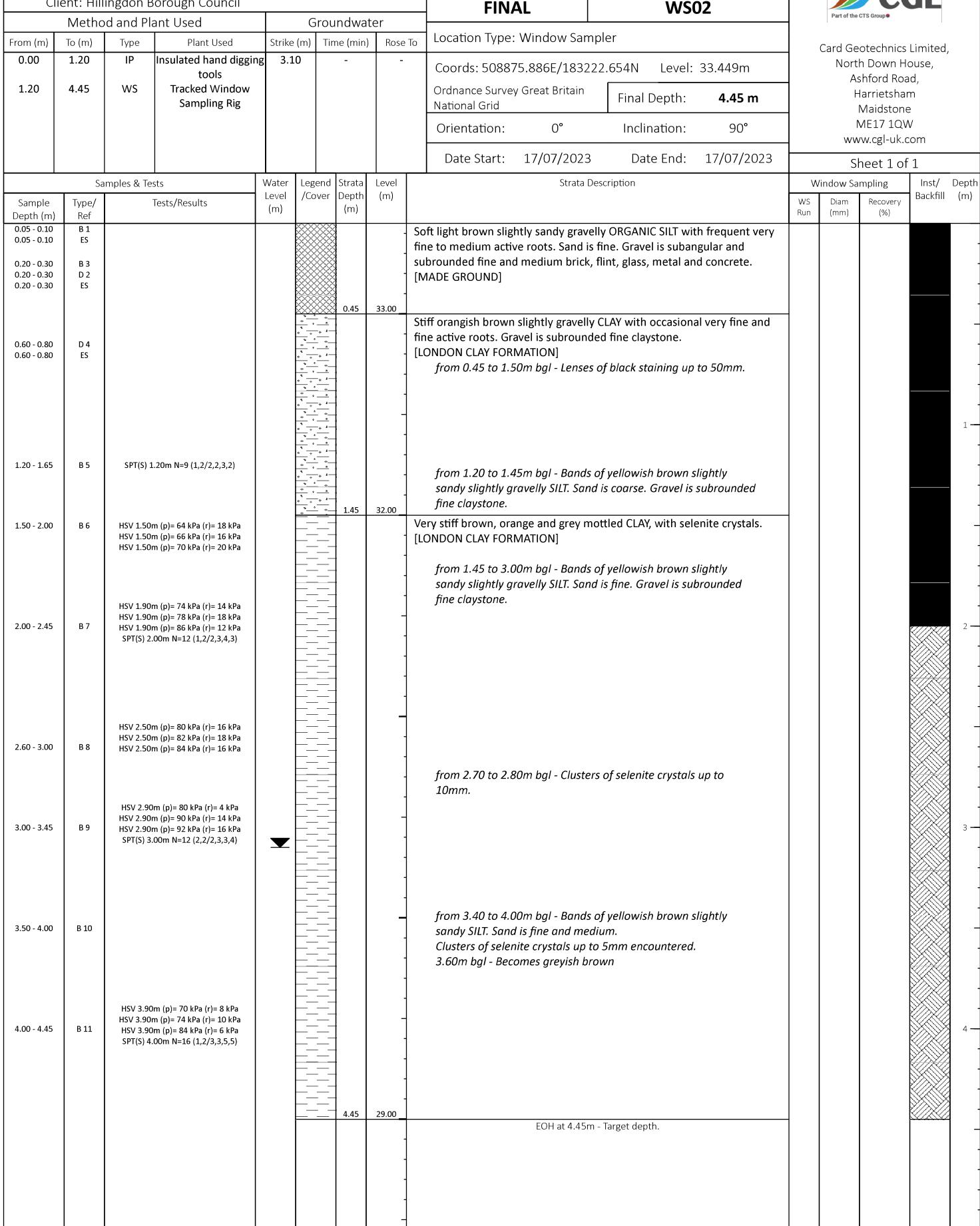
FINAL

Location ID

WS02



Card Geotechnics Limited,  
North Down House,  
Ashford Road,  
Harrietham  
Maidstone  
ME17 1QW  
www.cgl-uk.com



Notes:

- Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services.
- Borehole was dry and stable upon completion.
- Groundwater seepage was recorded at 3.1m bgl.
- No visual or olfactory evidence of gross contamination was encountered.

Hole Diameter

Casing

Hammer Information

Scale: 1:25

Depth (m) Diam (mm) Depth (m) Diam (mm) Energy Ratio Serial No.

62% CKWS02

Install Response Zones

Ref From (m) To (m)

Section ID:

CGL Reference

CGK/00808

Project Title: 113 Charville Lane							Status: <b>FINAL</b>	Location ID <b>WS03</b>	 Card Geotechnics Limited, North Down House, Ashford Road, Harriestham Maidstone ME17 1QW <a href="http://www.cgl-uk.com">www.cgl-uk.com</a>			
Client: Hillingdon Borough Council												
Method and Plant Used				Groundwater								
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Location Type: Window Sampler					
0.00	1.20	IP WS	Insulated hand digging tools Tracked window sampling rig				Coords: 508869.694E/183219.869N Level: 33.460m					
1.20	4.45						Ordnance Survey Great Britain National Grid		Final Depth: <b>4.45 m</b>			
							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				
Sample Depth (m)	Type/Ref	Tests/Results						Window Sampling				
0.10 - 0.20	D 1 ES	SPT(S) 1.00m N=9 (1,1/2,2,2,3)	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  HSV 1.90m (p)= 70 kPa (r)= 30 kPa HSV 1.90m (p)= 74 kPa (r)= 12 kPa HSV 1.90m (p)= 80 kPa (r)= 18 kPa SPT(S) 2.00m N=11 (1,2/2,2,3,4)  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  HSV 2.90m (p)= 62 kPa (r)= 20 kPa HSV 2.90m (p)= 74 kPa (r)= 12 kPa HSV 2.90m (p)= 78 kPa (r)= 16 kPa SPT(S) 3.00m N=14 (1,2/2,3,4,5)  HSV 3.50m (p)= 82 kPa (r)= 10 kPa HSV 3.50m (p)= 90 kPa (r)= 12 kPa HSV 3.50m (p)= 92 kPa (r)= 16 kPa  HSV 3.90m (p)= 78 kPa (r)= 8 kPa HSV 3.90m (p)= 90 kPa (r)= 14 kPa HSV 3.90m (p)= 90 kPa (r)= 4 kPa SPT(S) 4.00m N=14 (1,2/2,3,4,5)	0.30	33.16			WS Run				
0.10 - 0.20								Diam (mm)				
0.50 - 0.60								Recovery (%)				
0.50 - 0.60												
0.80 - 0.90												
1.20 - 1.45												
1.50 - 2.00												
2.00 - 2.45												
3.00 - 3.45												
3.70 - 4.00	B 8											
4.00 - 4.45												
				4.45		29.01		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. Window sampled borehole was dry and stable upon completion. 3. No groundwater encountered. 4. No visual or olfactory evidence of gross contamination was encountered.	Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	
	1.20	300			62%	CKWS02	
	2.00	102			Install Response Zones		
	3.00	87			Ref	From (m)	
	4.00	75			From (m)	To (m)	
	4.45	25					
						CGL Reference	
						<b>CGK/00808</b>	

Notes:  1. Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services. 2. Hand pit dry and stable upon completion. 3. No visual or olfactory evidence of gross contamination was encountered.	Hole Diameter		Casing		Hammer Information		Scale: 1:25		
	Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio		Serial No.	Logged By:	AW
					%  Install Response Zones			Checked By:	GF
	0.45	300			Ref		From (m)		To (m)
									Approved By: GF
									Section ID:  CGL Reference <b>CGK/00808</b>

Project Title: 113 Charville Lane							Status: <b>FINAL</b>	Location ID <b>WS05</b>	Card Geotechnics Limited, North Down House, Ashford Road, Harrietsham Maidstone ME17 1QW www.cgl-uk.com		
Client: Hillingdon Borough Council											
Method and Plant Used				Groundwater			Location Type: Window Sampler				
From (m)	To (m)	Type	Plant Used	Strike (m)	Time (min)	Rose To	Location Type: Window Sampler				
0.00	1.20	IP WS	Insulated hand digging tools Tracked Window Sampling Rig				Coords: 508887.491E/183207.066N Level: 33.323m Ordnance Survey Great Britain National Grid				
1.20	4.45						Final Depth: <b>4.45 m</b>				
							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			
Sample Depth (m)	Type/ Ref	Tests/Results						Window Sampling	Inst/ Depth		
								WS Run	Diam (mm)		
0.20 - 0.30	ES 1								Recovery (%)		
0.20 - 0.30											
0.50 - 0.60	ES 2										
1.20 - 1.45											
1.50 - 2.00											
2.00 - 2.45	B 5										
2.50 - 3.00											
3.00 - 3.45	B 7										
3.50 - 4.00											
4.00 - 4.45	B 9										

Project Title: 113 Charville Lane

Client: Hillingdon Borough Council

Status:

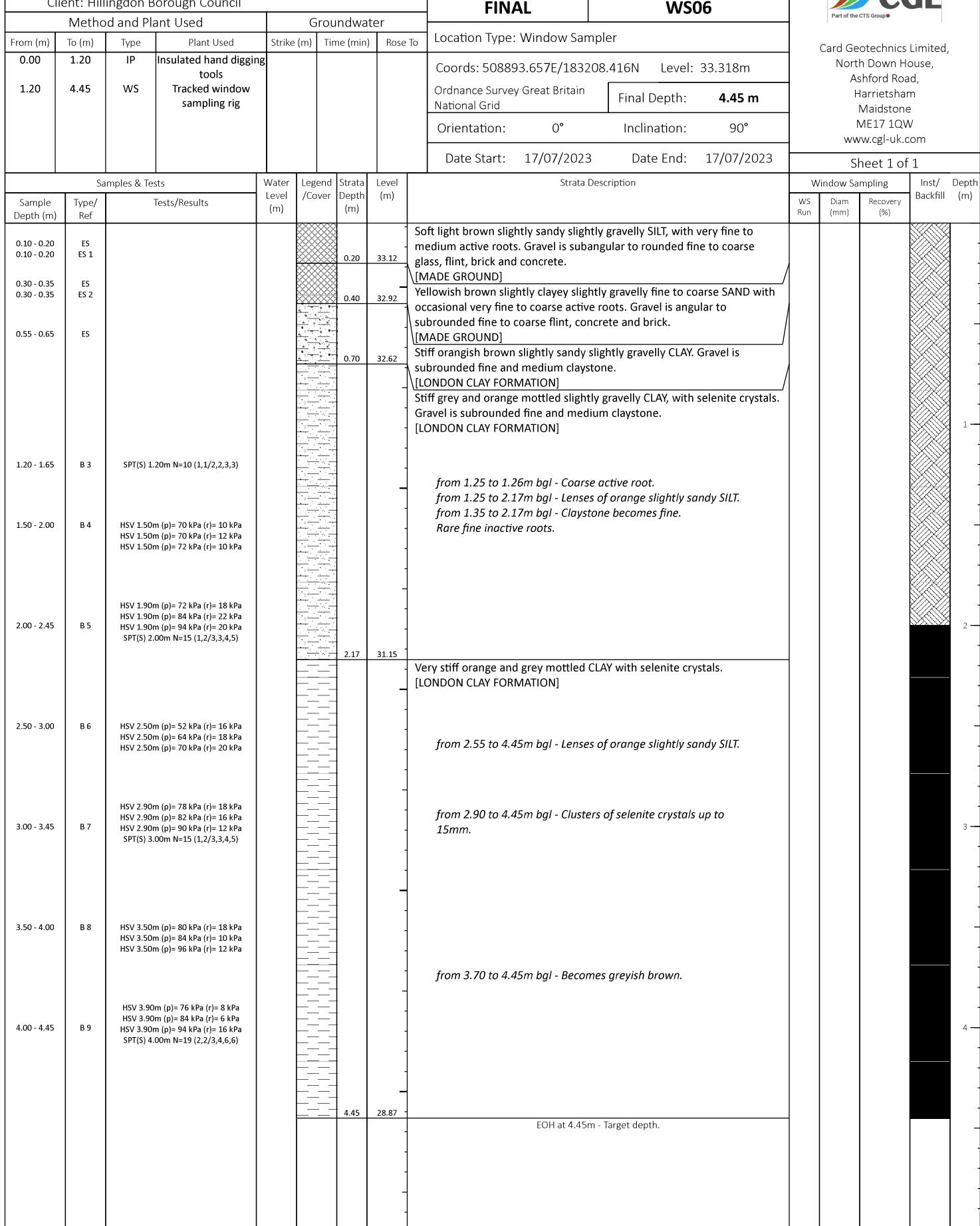
FINAL

Location ID

WS06



Card Geotechnics Limited,  
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Harrietsham  
Maidstone  
ME17 1QW  
www.cgl-uk.com



Notes:

- Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services.
- Borehole was dry and stable upon completion.
- No groundwater was encountered.
- No visual or olfactory evidence of gross contamination was encountered.
- Location moved as coarse tree roots were encountered in first inspection pit.

Hole Diameter

Casing

Hammer Information

Scale: 1:25

Depth (m)

Diam (mm)

Depth (m)

Diam (mm)

Energy Ratio

Serial No.

62%

CKWS02

Logged By:

AW

Checked By:

GF

Approved By:

GF

Section ID:

CGL Reference

CGK/00808

Project Title: 113 Charlville Lane

Client: Hillingdon Borough Council

Status:

FINAL

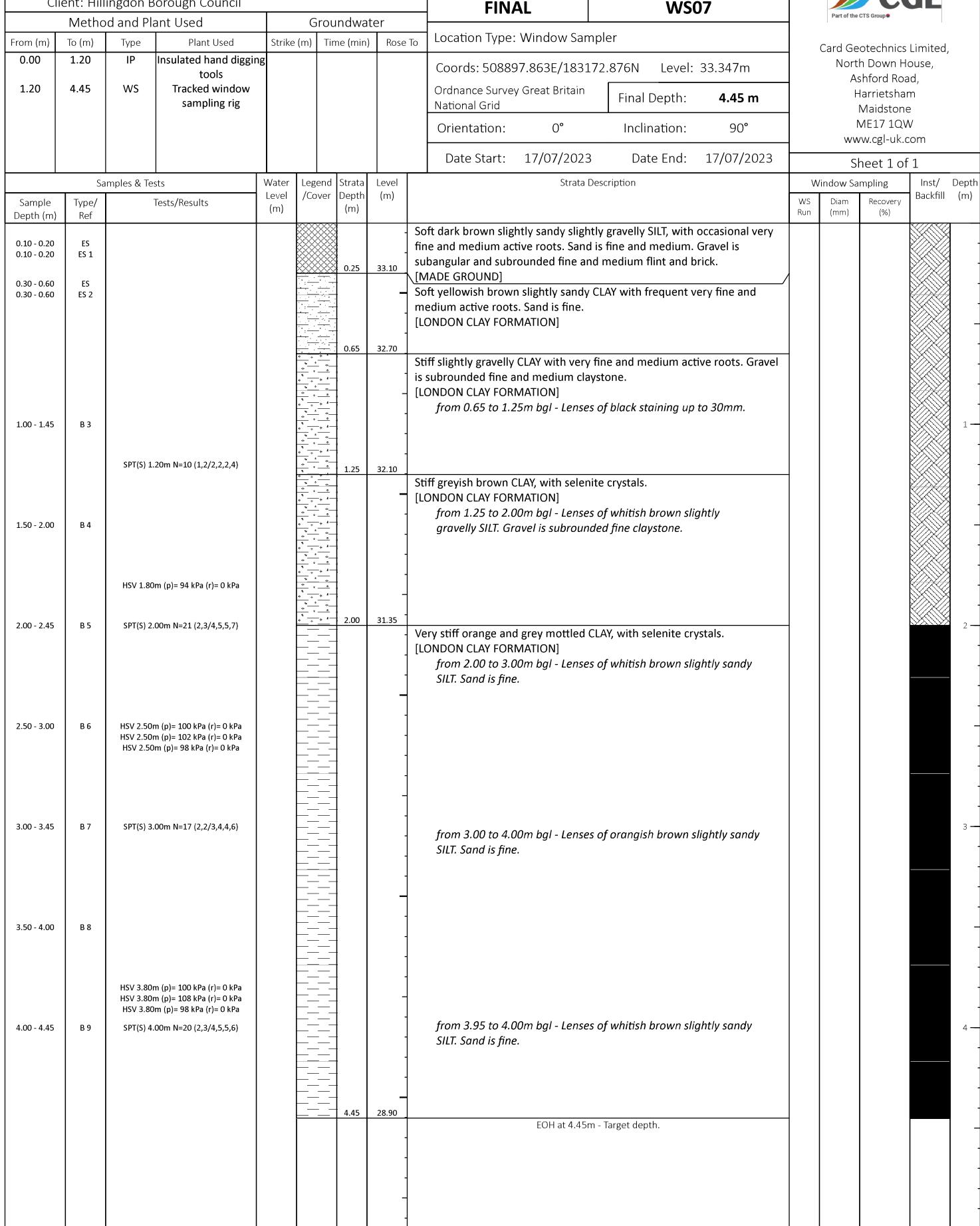
Location ID

WS07



Card Geotechnics Limited,  
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Harrietsham  
Maidstone  
ME17 1QW  
www.cgl-uk.com

Sheet 1 of 1



Notes:

- Exploratory hole locations were surveyed by a Utilities Surveyor to clear the locations of underground services.
- Borehole was dry and stable upon completion.
- No groundwater was encountered.
- No visual or olfactory evidence of gross contamination was encountered.
- Shear vanes not undertaken in certain sections as the material was too desiccated.

Hole Diameter Casing Hammer Information Scale: 1:25

Depth (m)	Diam (mm)	Depth (m)	Diam (mm)	Energy Ratio	Serial No.	Logged By: AW
1.20	300			62%		Checked By: GF
Install Response Zones						
				Ref From (m) To (m)		Approved By: GF
						Section ID:
						CGL Reference
						CGK/00808