

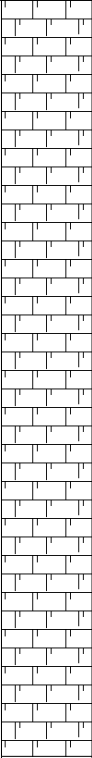
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH01 Sheet 1 of 2	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 467988E - 112330N		Hole Type CP	
Location: Lovedean				Level: 67.33		Scale 1:50	
Client: Grainger plc				Dates: 25/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	67.23		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL	
		0.50 - 1.00	B					Stiff brown slightly gravelly CLAY. Gravel is fine to medium sub angular of flint LAMBETH GROUP	1
		1.00		N=13 (4/3,3,4,3)	0.90	66.43		Firm to stiff brown silty CLAY LAMBETH GROUP	
		1.45	D						
		1.50 - 2.00	B		1.50	65.83		Firm to stiff brown gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint and chalk LAMBETH GROUP	2
		2.00		N=6 (2/1,2,1,2)					
		2.45	D						
		2.50 - 3.00	B		2.80	64.53		Recovered as structureless off white CHALK with medium strength chalk clasts TARRANT CHALK MEMBER	3
		3.00		N=9 (3/2,2,2,3)					
		3.45	D						
		4.00		N=11 (3/2,3,3,3)					4
		4.45	D						
		5.00		N=12 (3/2,3,3,4)					5
		5.45	D		5.40	61.93		Recovered as structureless off white CHALK with high strength chalk clasts and occasional flint cobbles TARRANT CHALK MEMBER	6
		6.00	D						
		6.50		N=17 (7/3,5,4,5)					
		6.95	D						7
		7.50	D						
	8.00		N=19 (6/4,5,5,5)					8	
	8.45	D							
	9.00	D						9	
	9.50		N=26 (12/8,6,5,7)						
	9.95	D						10	
Continued on Next Sheet									

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Basic log by Driller, updated following Engineer's inspection of samples and arisings. Groundwater not encountered


 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH01 Sheet 2 of 2	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 467988E - 112330N		Hole Type CP	
Location: Lovedean				Level: 67.33		Scale 1:50	
Client: Grainger plc				Dates: 25/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.50	D	N=24 (9/5,6,6,7)	15.00	52.33		Recovered as structureless off white CHALK with high strength chalk clasts and occasional flint cobbles TARRANT CHALK MEMBER	11
		11.00							
		11.45	D						
		12.00	D						
		12.50	N=20 (7/4,3,5,8)						
		12.95	D						
		13.50	D						
		14.00	N=25 (6/5,6,7,7)						
		14.45	D						
		15.00	D						
		End of Borehole at 15.00m							15
									16
									17
									18
									19
									20

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks	 Status FINAL
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to		

Basic log by Driller, updated following Engineer's inspection of samples and arisings. Groundwater not encountered

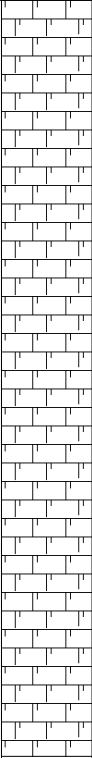
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH02 Sheet 1 of 2	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468032E - 112220N		Hole Type CP	
Location: Lovedean				Level: 64.50		Scale 1:50	
Client: Grainger plc				Dates: 25/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	64.40		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL	1
	0.50 - 1.00	B	N=9 (3/2,2,2,3)				Firm to stiff brown gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint LAMBETH GROUP		
	1.00								
	1.45	D			1.40	63.10		Stiff grey and brown silty CLAY LAMBETH GROUP	2
	1.50 - 2.00	B	N=11 (3/2,2,3,4)						
	2.00								
	2.45	D			2.80	61.70		Firm to stiff brown silty CLAY with occasional bands of orange brown sand. LAMBETH GROUP	3
	2.50 - 3.00	B	N=10 (3/2,2,3,3)						
	3.00								
	3.45	D			4.30	60.20		Firm to stiff grey silty CLAY LAMBETH GROUP	4
	4.00		N=13 (4/3,3,3,4)						
	4.80	D			4.90	59.60		Recovered as structureless off white and brown CHALK with weak to medium strength chalk clasts TARRANT CHALK MEMBER	5
	5.00		N=13 (3/3,3,3,4)						
	5.45	D			5.40	59.10		Stiff brown silty CLAY LAMBETH GROUP	6
	5.50	D			5.70	58.80		Recovered as structureless off white and brown CHALK with weak to medium strength chalk clasts TARRANT CHALK MEMBER	
	6.00	D							
	6.50		N=12 (3/3,2,3,4)						
6.95	D								
7.50	D								
8.00		N=4 (3/1,1,1,1)		8.30	56.20		Recovered as structureless off white CHALK with weak to medium strength chalk clasts TARRANT CHALK MEMBER	8	
8.45	D								
9.00	D			9.20	55.30		Recovered as structureless off white CHALK with medium strength chalk clasts TARRANT CHALK MEMBER	9	
9.50		N=17 (6/3,4,5,5)							
9.95	D								
Continued on Next Sheet									10

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Basic log by Driller, updated following Engineer's inspection of samples and arisings. Groundwater not encountered


 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH02 Sheet 2 of 2	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468032E - 112220N		Hole Type CP	
Location: Lovedean				Level: 64.50		Scale 1:50	
Client: Grainger plc				Dates: 25/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		10.50	D	N=19 (5/4,5,5,5)	15.00	49.50		Recovered as structureless off white CHALK with medium strength chalk clasts TARRANT CHALK MEMBER	11		
		11.00									
		11.45	D								
		12.00	D							12	
		12.50		N=20 (6/5,6,4,5)							
		12.95	D							13	
		13.50	D								
		14.00		N=21 (5/4,5,6,6)							14
		14.45	D								
		15.00	D								15
							End of Borehole at 15.00m	16			
								17			
								18			
								19			
								20			

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Basic log by Driller, updated following Engineer's inspection of samples and arisings. Groundwater not encountered


 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH03 Sheet 1 of 1	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468225E - 112229N		Hole Type CP	
Location: Lovedean				Level: 66.66		Scale 1:50	
Client: Grainger plc				Dates: 27/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 1.00	B		0.20	66.46		Grass over dark brown slightly silty CLAY with frequent roots and rootlets	1 2 3 4 5 6 7 8 9 10
		1.00		N=9 (3/2,2,3,2)	1.00	65.66		TOPSOIL	
		1.45 - 2.00	D B		1.40	65.26		Soft to firm brown silty CLAY	
		2.00		N=6 (2/1,2,1,2)	2.10	64.56		LAMBETH GROUP	
		2.45 - 3.00	D B		2.60	64.06		Firm grey mottled silty CLAY	
		3.00		N=10 (2/2,2,3,3)				LAMBETH GROUP	
		3.45	D					Firm to stiff grey silty CLAY	
		3.90 - 4.00	D	N=23 (5/4,5,6,8)	3.85	62.81		LAMBETH GROUP	
		4.45	D					Firm to stiff dark brown mottled silty CLAY	
		4.80 - 5.00	D	N=28 (7/6,7,7,8)	4.70	61.96		LAMBETH GROUP	
		5.45	D					Firm to stiff grey and brown mottled CLAY	
		5.90	D		5.80	60.86		LAMBETH GROUP	
		6.50		N=60 (7/8,14,18,20)	6.10	60.56		LAMBETH GROUP	
		6.95 - 7.30	D D D	50 (50/50 for 75mm)	7.00 7.30	59.66 59.36		Recovered as structureless off white CHALK with hard strength chalk clasts	
	TARRANT CHALK MEMBER End of Borehole at 7.30m								

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Basic log by Driller, updated following Engineer's inspection of samples and arisings. Borehole refused at 7.3m bgl due to the presence of hard chalk


 Status
 FINAL

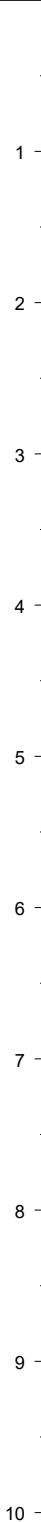
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH04 Sheet 1 of 1	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468238E - 112288N		Hole Type CP	
Location: Lovedean				Level: 69.00		Scale 1:50	
Client: Grainger plc				Dates: 26/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.50 - 1.00	B	N=14 (4/3,4,3,4)	0.20	68.80		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL	1	
		1.00								Firm to stiff brown gravelly CLAY. Gravel is medium to coarse sub angular to sub rounded of flint LAMBETH GROUP
		1.45								Firm grey silty CLAY LAMBETH GROUP
		1.50 - 2.00	B	N=6 (2/1,2,1,2)	1.20	67.80			2	
		2.00								Firm to stiff grey mottled CLAY LAMBETH GROUP
		2.45	D							
		2.50 - 3.00	B	N=11 (3/2,2,3,4)	1.60	67.40			3	
		3.00								
		3.45	D							
		4.00		N=21 (5/4,4,6,7)					4	
		4.45	D							
		5.00								
		5.45	D	N=21 (6/4,5,5,7)	5.40	63.60			5	
		5.60	D							
		5.80	D							
5.90		50 (50/50 for 75mm)	5.40	63.50			6			
5.60										
5.80										
6.20			6.20	62.80			7			
6.50 - 6.70	B									
6.50			6.70	62.30						

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Basic log by Driller, updated following Engineer's inspection of samples and arisings. Borehole refused at 6.7m bgl due to the presence of hard chalk

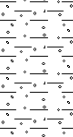
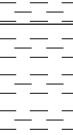
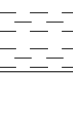

 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. BH05 Sheet 1 of 1	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468200E - 112252N		Hole Type CP	
Location: Lovedean				Level: 67.00		Scale 1:50	
Client: Grainger plc				Dates: 27/09/2023		Logged By Driller	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10	66.90		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL	
		0.50 - 1.00	B					Firm to stiff brown and grey CLAY with occasional chalk gravel LAMBETH GROUP	
		1.00		N=10 (3/2,2,3,3)					
		1.45	D		1.50	65.50		Stiff grey silty CLAY LAMBETH GROUP	
		1.50 - 2.00	B		1.80	65.20		Stiff reddish brown silty CLAY LAMBETH GROUP	
		2.00		N=16 (4/3,4,4,5)					
		2.45	D		2.70	64.30		Stiff brown and grey silty CLAY LAMBETH GROUP	
		2.50 - 3.00	B						
		3.00		N=18 (3/4,4,5,5)					
		3.45	D		3.90	63.10		Stiff yellow and grey CLAY LAMBETH GROUP	
		4.00		N=16 (3/8,2,3,3)					
		4.45	D		4.80	62.20		Stiff to very stiff grey silty CLAY LAMBETH GROUP	
		4.80	D		5.40	61.60		stiff to very stiff grey CLAY with occasional flint gravel and cobbles LAMBETH GROUP	
		5.00		N=20 (5/4,4,5,7)	5.50	61.50		Recovered as structureless off white CHALK with hard strength chalk clasts TARRANT CHALK MEMBER	
		5.45	D		6.00	61.00		End of Borehole at 6.00m	
	5.60	D							
	5.70		50 (20/50 for 75mm)						
	6.00	D							

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Basic log by Driller, updated following Engineer's inspection of samples and arisings. Borehole refused at 6.0m bgl due to the presence of hard chalk


 Status
 FINAL

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP101			
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468386.9	Northing: 112248.9	Ground Level: 72.60mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log				Weather: Overcast, dry		Hole Termination:		Stability: Sides stable		
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.15	ES1		72.40	0.20		Grass over dark brown slightly silty gravelly CLAY with frequent roots and rootlets TOPSOIL			0.5	
0.50	B1			(1.00)		Firm orange and grey mottled very gravelly CLAY with frequent rootlets and occasional flint cobbles LAMBETH GROUP				
0.50	D1									
1.00	B2	PP=3kg/cm2	71.40	1.20		Stiff orange and grey mottled CLAY with occasional flint gravel LAMBETH GROUP			1.0	
1.00	D2			(0.50)						
1.50	D3									
		PP=3.5kg/cm2	70.90	1.70		Very stiff orange, grey and red mottled CLAY LAMBETH GROUP			1.5	
				(0.90)						
2.00	D4									
		PP=4kg/cm2	70.00	2.60		Very stiff grey and red mottled mudstone like CLAY LAMBETH GROUP			2.0	
				(0.60)						
2.50	D5									
		PP=4.2kg/cm2	69.40	3.20		End of Trial Pit at 3.20m			2.5	
				(0.60)						
3.00	D6									
		PP=4.5kg/cm2							3.0	
				(0.60)						
3.20	D7									
									3.5	
Dimensions:					Photo:					
Final Depth:	3.20m									
Final Width:	0.60m									
Final Length:	2.30m									
Remarks										
										
Water Strikes (mbgl)										
Depth Strike	Rose to				Time Elapsed (mins)					

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP102	
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1		
Trial Pit Log	Easting: 468286.4	Northing: 112165.6	Ground Level: 68.50mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25		
	Weather: Overcast, dry		Hole Termination:		Stability: Sides stable			

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.50	D1	PP=3.3kg/cm2	68.30	0.20		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL	0.5	
				(0.50)		Stiff orange and grey mottled CLAY with occasional roots and rootlets, possibly desiccated LAMBETH GROUP		
1.00	D2	PP=3kg/cm2	67.80	0.70		Stiff orange, grey and red mottled CLAY with occasional rootlets LAMBETH GROUP	1.0	
1.50	D3	PP=3.2kg/cm2	67.10	1.40		Very stiff orange and grey mottled CLAY LAMBETH GROUP	1.5	
				66.90	1.60			
							2.0	
							2.5	
							3.0	
							3.5	

Dimensions:		Photo:	
Final Depth:	1.60m		
Final Width:	0.50m		
Final Length:	2.10m		
Remarks			
Soakage			
Water Strikes (mbgl)			
Depth Strike	Rose to	Time Elapsed (mins)	


 PhotoofPit


 PhotoofSpoil

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP103	
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1		
Trial Pit Log	Easting: 468238.5	Northing: 112183.4	Ground Level: 67.25mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25		
	Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable			

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.50	D1		67.05	0.20		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	0.5	
1.00	D2	PP=2.1kg/cm2	66.35	0.90		Stiff orange brown gravelly CLAY with frequent rootlets. Gravel is fine to medium sub angular to sub rounded of flint LAMBETH GROUP	1.0	
1.50	D3	PP=2.6kg/cm2					1.5	
2.00	D4	PP=4kg/cm2	65.55	1.70		Stiff orange and red mottled slightly sandy CLAY with occasional flint gravel LAMBETH GROUP	2.0	
2.50	D5	PP=4kg/cm2					2.5	
3.00	D6	PP=2.5kg/cm2					3.0	
3.50	D7	PP=3kg/cm2	63.75	3.50		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LAMBETH GROUP	3.5	
						End of Trial Pit at 3.50m		

Dimensions:			Photo:	
Final Depth:	3.50m		 	
Final Width:	0.60m			
Final Length:	2.30m			
Remarks				
Water Strikes (mbgl)				
Depth Strike	Rose to	Time Elapsed (mins)		

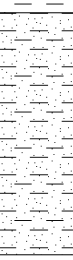

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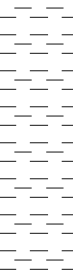

 PhotoofSpoil

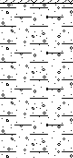
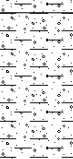
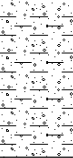
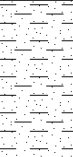
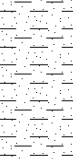
 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP104		
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468229.8	Northing: 112213.7	Ground Level: 66.55mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Overcast, dry		Hole Termination:		Stability: Sides stable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50	D1	PP=2.4kg/cm2	66.35	0.20		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL		0.5	
				(0.90)		Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP			
1.00	D2	PP=1.9kg/cm2	65.45	1.10		Stiff orange, grey and red mottled CLAY LAMBETH GROUP		1.0	
				(0.30)					
1.50	D3	PP=1.9kg/cm2	65.15	1.40		Stiff grey and red mottled CLAY LAMBETH GROUP		1.5	
2.00	D4	PP=2.3kg/cm2		(2.10)				2.0	
2.50	D5	PP=2kg/cm2						2.5	
3.00	D6	PP=2.2kg/cm2						3.0	
3.50	D7	PP=3.5kg/cm2	63.05	3.50		End of Trial Pit at 3.50m		3.5	
Dimensions:					Photo:				
Final Depth:	3.50m				 PhotoofPit				
Final Width:	0.60m								
Final Length:	2.20m								
Remarks					 PhotoofSpoil				
Water Strikes (mbgl)									
Depth Strike		Rose to		Time Elapsed (mins)					

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP105		
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468225.4	Northing: 112240.9	Ground Level: 67.00mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
						Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL			
		PP=2.8kg/cm2	66.80	0.20		Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP	0.5		
		PP=2.5kg/cm2		(1.40)		Clay land drain	1.0		
		PP=2.6kg/cm2	65.40	1.60		Stiff dark grey and red mottled CLAY LAMBETH GROUP	1.5		
		PP=3kg/cm2		(1.20)			2.0		
		PP=2.6kg/cm2					2.5		
		PP=4.5kg/cm2	64.20	2.80		Very stiff purplish grey and red mottled CLAY LAMBETH GROUP	3.0		
		PP=3.2kg/cm2	63.80	3.20		End of Trial Pit at 3.20m	3.5		
Dimensions:						Photo:			
Final Depth:	3.20m					 PhotoofPit			
Final Width:	0.60m								
Final Length:	2.20m								
Remarks						 PhotoofSpoil			
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

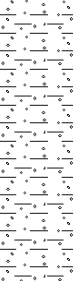
 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP106			
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468279.1	Northing: 112233.2	Ground Level: 69.64mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log				Weather: Overcast, dry		Hole Termination:		Stability: Sides stable		
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.10	ES1		69.44	0.20		Grass over dark brown slightly silty slightly gravelly CLAY TOPSOIL				
0.50	D1	PP=2kg/cm2		(1.10)		Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP			0.5	
1.00	D2	PP=2.5kg/cm2							1.0	
1.50	D3	PP=3kg/cm2	68.34	1.30		Stiff becoming very stiff orange, grey and red mottled CLAY LAMBETH GROUP			1.5	
2.00	D4	PP=2.9kg/cm2		(2.00)					2.0	
2.50	D5	PP=3kg/cm2							2.5	
3.00	D6	PP=3.6kg/cm2							3.0	
3.30	D7	PP=4kg/cm2	66.34	3.30		End of Trial Pit at 3.30m			3.5	
Dimensions:					Photo:					
Final Depth:	3.30m				 PhotoofPit					
Final Width:	0.60m									
Final Length:	2.30m									
Remarks					 PhotoofSpoil					
Water Strikes (mbgl)										
Depth Strike		Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP107			
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468288.4	Northing: 112279.1	Ground Level: 70.70mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log				Weather: 1		Hole Termination:		Stability: Sides stable		
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.50	D1	PP=4kg/cm2	70.50	0.20		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL		0.5		
				(0.60)		Very Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP				
1.00	D2	PP=2.9kg/cm2	69.90	0.80		Stiff orange, grey and red mottled sandy CLAY with occasional rootlets LAMBETH GROUP		1.0		
				(0.80)						
1.50	D3	PP=2.4kg/cm2	69.10	1.60		End of Trial Pit at 1.60m		1.5		
								2.0		
								2.5		
								3.0		
								3.5		
Dimensions:					Photo:					
Final Depth:	1.60m				 PhotoofPit					
Final Width:	0.60m									
Final Length:	2.50m									
Remarks					 PhotoofSpoil					
Soakage										
Water Strikes (mbgl)										
Depth Strike		Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP108			
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468236.1	Northing: 112262.7	Ground Level: 67.70mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log				Weather: Overcast, dry		Hole Termination:		Stability: Sides stable		
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.50	D1	PP=2kg/cm2	67.50	0.20		Grass over brown slightly silty CLAY with frequent roots and rootlets TOPSOIL		0.5		
1.00	D2	PP=2.6kg/cm2		(1.00)		Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP		1.0		
1.50	D3	PP=2.7kg/cm2	66.50	1.20		Stiff grey and red mottled CLAY LAMBETH GROUP		1.5		
2.00	D4	PP=3.1kg/cm2	65.90	1.80		Stiff becoming very stiff dark grey and red mottled CLAY LAMBETH GROUP		2.0		
2.50	D5	PP=4kg/cm2		(1.20)				2.5		
3.00	D6	PP=4kg/cm2	64.70	3.00		End of Trial Pit at 3.00m		3.0		
								3.5		
Dimensions:					Photo:					
Final Depth:	3.00m				 PhotoofPit					
Final Width:	0.60m									
Final Length:	2.20m									
Remarks					 PhotoofSpoil					
Water Strikes (mbgl)										
Depth Strike	Rose to		Time Elapsed (mins)							

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP109			
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468221.4	Northing: 112181.6	Ground Level: 65.75mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log				Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable		
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.20	ES1		65.50	0.25		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL				
0.50	D1	PP=1.7kg/cm2		(0.55)		Firm to stiff orange and grey mottled slightly sandy slightly gravelly CLAY with occasional rootlets. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint LAMBETH GROUP			0.5	
1.00	D2	PP=2.1kg/cm2		0.80		Stiff orange and grey mottled slightly sandy gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint LAMBETH GROUP			1.0	
1.50	D3	PP=2.5kg/cm2		(1.00)					1.5	
2.00	D4	PP=3.5kg/cm2		1.80		Stiff to very stiff orange and grey mottled slightly sandy CLAY with rare flint gravel. Sand is fine LAMBETH GROUP			2.0	
2.50	D5	PP=2.6kg/cm2		(1.20)					2.5	
3.00	D6	PP=2.2kg/cm2		3.00		End of Trial Pit at 3.00m			3.0	
									3.5	
Dimensions:					Photo:					
Final Depth:	3.00m				 PhotoofPit					
Final Width:	0.60m									
Final Length:	2.20m									
Remarks					 PhotoofSpoil					
Water Strikes (mbgl)										
Depth Strike	Rose to		Time Elapsed (mins)							

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP110		
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468187.9	Northing: 112161.1	Ground Level: 62.00mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Overcast, dry		Hole Termination:		Stability: Sides stable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50 0.50	B1 D1		61.80	0.20 (0.40)		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL		0.5	
0.50 1.00	D1 D2		61.40	0.60 (1.30)		Firm orange brown very sandy CLAY with occasional rootlets. Sand is fine LAMBETH GROUP			
1.00 1.50	D2 D3					Orange and grey mottled clayey fine SAND LAMBETH GROUP		1.0	
1.50 2.00	D3 D4	PP=4kg/cm2	60.10	1.90		Very stiff orange, grey and red mottled sandy CLAY. Sand is fine LAMBETH GROUP		1.5	
2.00 2.50	D4 D5	PP=4.5kg/cm2						2.0	
2.50 3.00	D5 D6	PP=3.2kg/cm2						2.5	
3.00 3.50	D6 D7	PP=4kg/cm2	58.50	3.50				3.0	
						End of Trial Pit at 3.50m		3.5	
Dimensions:					Photo:				
Final Depth:	3.50m				 PhotoofPit				
Final Width:	0.60m								
Final Length:	2.30m								
Remarks					 PhotoofSpoil				
Water Strikes (mbgl)									
Depth Strike		Rose to		Time Elapsed (mins)					

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP111		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468150.2	Northing: 112175.2	Ground Level: 62.75mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:		Stability: Sides unstable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50	D1		62.55	0.20		Grass over dark brown slightly gravelly silty CLAY. TOPSOIL		0.5	
				(1.00)		Firm orange brown very gravelly CLAY/ very clayey GRAVEL. Gravel is fine to coarse sub angular to sub rounded of flint. LAMBETH GROUP			
1.00	D2		61.55	1.20		Orange brown fine to medium SAND with occasional flint gravel. LAMBETH GROUP		1.0	
1.50	D3			(0.40)		Orange and yellow fine SAND. LAMBETH GROUP		1.5	
2.00	D4		61.15	1.60				2.0	
2.50	D5			(1.30)				2.5	
3.00	D6		59.85	2.90		Firm to stiff green grey gravelly CLAY with occasional flint cobbles. Gravel is fine to coarse sub angular to sub rounded of flint and chalk. LAMBETH GROUP		3.0	
			59.75	3.00		End of Trial Pit at 3.00m		3.5	
Dimensions:					Photo:				
Final Depth:	3.00m				 PhotoofPit				
Final Width:	0.50m								
Final Length:	2.10m								
Remarks					 PhotoofSpoil				
Sides unstable within the sand, unable to excavate beyond 3m due to instability									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP112	
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1		
Trial Pit Log	Easting: 468157.6	Northing: 112198.3	Ground Level: 64.00mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25		
	Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable			

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1		63.80	0.20		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets.		
0.50	D1	PP=2.3kg/cm2	63.35	(0.45)		Orange brown slightly clayey fine SAND with occasional rootlets.	0.5	
1.00	D2		62.60	0.65		Stiff grey and orange mottled slightly sandy CLAY. Sand is fine.	1.0	
1.50	D3	PP=2.6kg/cm2	62.10	1.40		Stiff grey and orange mottled slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint.	1.5	
2.00	B1		61.20	1.90		Structureless off white CHALK in a gravel matrix with high strength chalk clasts and occasional flint cobbles. Estimated CIRIA Grade Dc.	2.0	
2.00	D4							
2.50	B2			(0.90)			2.5	
2.50	D5							
2.80	D6			2.80		End of Trial Pit at 2.80m	3.0	
							3.5	

Dimensions:		Photo:	
Final Depth:	2.80m	 	
Final Width:	0.50m		
Final Length:	2.10m		
Remarks			
Water Strikes (mbgl)			
Depth Strike	Rose to	Time Elapsed (mins)	


 PhotoofPit


 PhotoofSpoil

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP113			
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468156.9	Northing: 112223.6	Ground Level: 65.30mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log				Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable		
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.50	D1	PP=2.5kg/cm2	65.10	0.20		Grass over brown slightly silty CLAY with frequent roots and rootlets. TOPSOIL		0.5		
1.00	D2	PP=4kg/cm2		(1.60)		Stiff becoming very stiff orange brown slightly sandy CLAY with occasional rootlets. LAMBETH GROUP		1.0		
1.50	D3	PP=3.5kg/cm2						1.5		
2.00	D4	PP=3.5kg/cm2	63.50	1.80		Very stiff orange brown slightly sandy CLAY. Sand is fine. LAMBETH GROUP		2.0		
2.50	D5	PP=2.9kg/cm2		(1.40)				2.5		
3.00	D6	PP=3.1kg/cm2						3.0		
3.20	D7	PP=3kg/cm2	62.10	3.20		End of Trial Pit at 3.20m		3.5		
Dimensions:					Photo:					
Final Depth:	3.20m				 PhotoofPit					
Final Width:	0.50m									
Final Length:	2.10m									
Remarks					 PhotoofSpoil					
Water Strikes (mbgl)										
Depth Strike		Rose to		Time Elapsed (mins)						

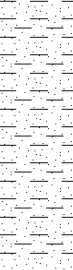
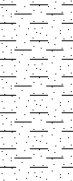
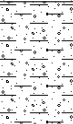
 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP114			
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468162.9	Northing: 112248.3	Ground Level: 67.30mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable			
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.50	D1	PP=2.5kg/cm2	67.15	0.15		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL			0.5	
1.00	D2	PP=3.2kg/cm2		(1.05)		Stiff orange and grey mottled slightly sandy CLAY with occasional rootlets LAMBETH GROUP			1.0	
1.50	D3	PP=1.5kg/cm2	66.10	1.20		Firm to stiff orange and grey mottled slightly sandy CLAY LAMBETH GROUP			1.5	
2.00	D4	PP=2.5kg/cm2	65.50	1.80		Stiff orange and grey mottled sandy CLAY LAMBETH GROUP			2.0	
2.50	D5	PP=3.4kg/cm2	64.90	2.40		Very stiff dark grey, red and orange mottled CLAY LAMBETH GROUP			2.5	
3.00	D6	PP=3kg/cm2		(1.00)					3.0	
3.40	D7	PP=4.0kg/cm2	63.90	3.40		End of Trial Pit at 3.40m			3.5	
Dimensions:					Photo:					
Final Depth:	3.40m				 PhotoofPit					
Final Width:	0.60m									
Final Length:	2.20m									
Remarks					 PhotoofSpoil					
Water Strikes (mbgl)										
Depth Strike	Rose to		Time Elapsed (mins)							

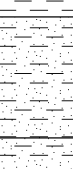
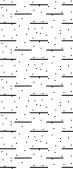
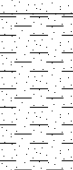
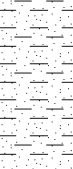
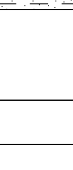
 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP115		
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468175.8	Northing: 112282.8	Ground Level: 68.85mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50	D1	PP=2.3kg/cm2	68.65	0.20		Grass over brown slightly silty CLAY with frequent roots and rootlets and occasional flint gravel TOPSOIL	0.5		
1.00	D2	PP=2.0kg/cm2		(1.00)		Stiff orange and grey mottled CLAY with occasional roots and rootlets LAMBETH GROUP	1.0		
1.50	D3	PP=2.6kg/cm2	67.65	1.20		Stiff grey, red and orange mottled CLAY with rare rootlets LAMBETH GROUP	1.5		
2.00	D4	PP=2.9kg/cm2	67.15	1.70		Stiff dark grey and red mottled CLAY LAMBETH GROUP	2.0		
2.50	D5	PP=3.4kg/cm2	66.55	2.30		Stiff to very stiff grey and red mottled CLAY LAMBETH GROUP	2.5		
3.00	D6	PP=2.5kg/cm2		(1.20)			3.0		
3.50	D7	PP=3.2kg/cm2	65.35	3.50		End of Trial Pit at 3.50m	3.5		
Dimensions:					Photo:				
Final Depth:	3.50m				 PhotoofPit				
Final Width:	0.50m								
Final Length:	2.20m								
Remarks					 PhotoofSpoil				
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP116		
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468190.8	Northing: 112315.5	Ground Level: 70.45mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Overcast, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50	D1	PP=2.5kg/cm2	70.30	0.15		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	0.5		
1.00	D2	PP=2.5kg/cm2		(0.95)		Stiff orange brown CLAY with occasional rootlets LAMBETH GROUP	1.0		
1.50	D3	PP=2.1kg/cm2	69.35	1.10		Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP	1.5		
			68.85	1.60		End of Trial Pit at 1.60m	2.0		
							2.5		
							3.0		
							3.5		
Dimensions:						Photo:			
Final Depth:	1.60m			 PhotoofPit					
Final Width:	0.50m								
Final Length:	1.40m								
Remarks						 PhotoofSpoil			
Soakage									
Water Strikes (mbgl)									
Depth Strike		Rose to		Time Elapsed (mins)					

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP117			
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468131.3	Northing: 112215.1	Ground Level: 65.40mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log		Weather: Overcast, dry		Hole Termination:			Stability: Sides stable			
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
0.25	ES1		65.25	0.15		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets				
0.50	D1	PP=3.1kg/cm2		(0.65)		TOPSOIL				
						Stiff to very stiff orange and grey mottled slightly gravelly CLAY with occasional rootlets				
						LAMBETH GROUP				
			64.60	0.80		Stiff orange and occasionally grey mottled slightly sandy slightly gravelly CLAY				
1.00	D2	PP=3kg/cm2		(0.40)		LAMBETH GROUP				
			64.20	1.20		Stiff orange brown slightly sandy CLAY with rare flint gravel				
						LAMBETH GROUP				
1.50	D3	PP=2.9kg/cm2		(0.60)		Stiff orange brown slightly sandy CLAY				
			63.60	1.80		LAMBETH GROUP				
2.00	D4	PP=2.5kg/cm2		(0.60)		Firm orange brown slightly sandy CLAY				
			63.00	2.40		LAMBETH GROUP				
2.50	D5	PP=1.1kg/cm2		(0.90)						
3.00	D6	PP=1.2kg/cm2								
3.30	D7	PP=2.5kg/cm2	62.10	3.30		End of Trial Pit at 3.30m				
Dimensions:					Photo:					
Final Depth:	3.30m				 PhotoofPit					
Final Width:	0.50m									
Final Length:	2.20m									
Remarks					 PhotoofSpoil					
Water Strikes (mbgl)										
Depth Strike		Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP118		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468117.4	Northing: 112201.8	Ground Level: 64.40mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.30	ES1		64.20	0.20		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets. TOPSOIL			
0.50	D1	PP=4kg/cm2		(0.65)		Very stiff orange brown and occasionally grey mottled CLAY with occasional rootlets and rare flint cobbles. LAMBETH GROUP	0.5		
1.00	D2	PP=4.1kg/cm2	63.55	0.85		Very stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP	1.0		
1.50	D3	PP=3.3kg/cm2		(1.45)			1.5		
2.00	D4	PP=2.7kg/cm2					2.0		
2.50	D5	PP=1.5kg/cm2	62.10	2.30		Firm to stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP	2.5		
3.00	D6	PP=1.5kg/cm2		(0.90)			3.0		
3.50	D7	PP=3.5kg/cm2	61.20	3.20		Firm to stiff orange and grey mottled slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint. LAMBETH GROUP	3.5		
			60.90	3.50		End of Trial Pit at 3.50m			
Dimensions:			Photo:						
Final Depth:	3.50m		 25/09/2023						
Final Width:	0.50m								
Final Length:	2.10m								
Remarks									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

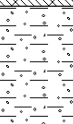
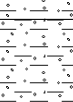
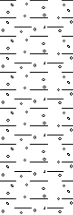
 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP119		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468042.1	Northing: 112216.1	Ground Level: 64.55mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.15	ES1	PP=2.1kg/cm2	64.35	0.20		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets. TOPSOIL		0.5	
0.50	D1			(0.90)		Stiff orange and grey mottled slightly sandy CLAY with occasional rootlets. Sand is fine. LAMBETH GROUP			
1.00	D2			63.45	1.10		Orange brown slightly clayey fine to medium SAND. LAMBETH GROUP		
1.50	D3	PP=1.9kg/cm2	62.95	1.60		Stiff orange and grey mottled sandy CLAY with occasional pockets of orange brown medium SAND. LAMBETH GROUP		1.5	
2.00	D4			(0.80)		Stiff orange and grey mottled slightly sandy slightly gravelly CLAY. Sand is medium and gravel is fine to medium sub angular to sub rounded of flint. LAMBETH GROUP			
2.50	B1 D5		62.15	2.40		Stiff orange and grey mottled slightly sandy slightly gravelly CLAY. Sand is medium and gravel is fine to medium sub angular to sub rounded of flint. LAMBETH GROUP		2.5	
2.50				(0.70)		Orange brown slightly gravelly fine to medium SAND. LAMBETH GROUP			
3.00	D6		61.45	3.10		Orange brown slightly gravelly fine to medium SAND. LAMBETH GROUP		3.0	
3.50	D7		61.05	3.50		End of Trial Pit at 3.50m			
Dimensions:					Photo:				
Final Depth:	3.50m				 PhotoofPit				
Final Width:	0.50m								
Final Length:	2.10m								
Remarks					 PhotoofSpoil				
Chalk encountered in the North Western portion of pit only. Recovered as structureless off white CHALK in a gravel matrix with high strength chalk clasts									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP120		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468040.1	Northing: 112233.2	Ground Level: 65.30mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50	D1	PP=3kg/cm2	65.10	0.20		Grass over brown slightly silty slightly sandy CLAY with frequent roots and rootlets. TOPSOIL	0.5		
				(0.55)		Very stiff orange brown CLAY with occasional rootlets. LAMBETH GROUP			
1.00	D2	PP=3kg/cm2	64.55	0.75		Stiff to very stiff orange and grey mottled CLAY with occasional rootlets and rare sand pockets. LAMBETH GROUP	1.0		
				(0.55)		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP			
1.50	D3	PP=2kg/cm2	64.00	1.30		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP	1.5		
				(0.40)		Very stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP			
2.00	D4	PP=3.5kg/cm2	63.60	1.70		Very stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP	2.0		
				(0.70)		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP			
2.50	D5	PP=2kg/cm2	62.90	2.40		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine. LAMBETH GROUP	2.5		
				(1.10)					
3.00	D6	PP=2.9kg/cm2					3.0		
3.50	D7	PP=1.9kg/cm2	61.80	3.50		End of Trial Pit at 3.50m	3.5		
Dimensions:					Photo:				
Final Depth:	3.50m				 PhotoofPit				
Final Width:	0.50m								
Final Length:	1.90m								
Remarks					 PhotoofSpoil				
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP121		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468018.0	Northing: 112223.2	Ground Level: 64.25mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50 0.50	B1 D1	PP=3kg/cm2	64.15	0.10		Grass over brown slightly silty gravelly CLAY with frequent roots and rootlets. TOPSOIL		0.5	
			(0.60)			Very stiff orange and grey mottled CLAY. LAMBETH GROUP			
1.00 1.00	B2 D2	PP=2.4kg/cm2	63.55	0.70		Stiff orange and grey and occasionally red mottled CLAY. LAMBETH GROUP		1.0	
			(0.40)						
1.50 1.50	D3		63.15	1.10		Stiff orange brown very gravelly CLAY gravel is fine to coarse sub angular to sub rounded of flint and chalk. LAMBETH GROUP		1.5	
			62.95	1.30		Firm to stiff orange brown and off white flinty CLAY. LAMBETH GROUP			
2.00 2.00	D4		62.65	1.60		Firm off white and white cobbly CLAY. Cobbles are of flint and chalk. LAMBETH GROUP		2.0	
			(0.50)						
2.50 2.50	D5		62.15	2.10		Off white slightly silty cobbly fine to coarse flint and chalk GRAVEL. LAMBETH GROUP		2.5	
			61.95	2.30		Structureless off white CHALK in a gravel matrix with medium strength chalk clasts. Estimated CIRIA Grade Dc. TARRANT CHALK MEMBER			
3.00 3.00	D6			(0.90)				3.0	
3.20	D7		61.05	3.20		End of Trial Pit at 3.20m		3.5	
Dimensions:					Photo:				
Final Depth:	3.20m				 PhotoofPit				
Final Width:	0.50m								
Final Length:	1.90m								
Remarks					 PhotoofSpoil				
Water Strikes (mbgl)									
Depth Strike		Rose to		Time Elapsed (mins)					

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP121a		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468020.1	Northing: 112224.8	Ground Level: 64.20mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
			64.05	0.15		Grass over brown slightly silty gravelly CLAY with frequent roots and rootlets			
				(0.35)		TOPSOIL			
						Very stiff orange and grey mottled gravelly CLAY. Gravel is fine to medium sub angular to sub rounded.			
			63.70	0.50		LAMBETH GROUP			
						End of Trial Pit at 0.50m		0.5	
								1.0	
								1.5	
								2.0	
								2.5	
								3.0	
								3.5	
Dimensions:			Photo:						
Final Depth:	0.50m		 PhotoofPit						
Final Width:	0.50m								
Final Length:	1.90m								
Remarks			 PhotoofSpoil						
Encountered gravel running in a straight line through pit, possible drainage or service run so pit halted and relocated									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP122		
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 467996.2	Northing: 112307.3	Ground Level: 67.24mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.10	ES1	PP=1.8kg/cm2	67.09	0.15		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	0.5		
			66.84	0.40		Firm brown slightly gravelly CLAY with occasional rootlets LAMBETH GROUP			
0.50	D1					Firm brown and off white very gravelly CLAY with occasional flint and chalk cobbles. Gravel is medium to coarse sub angular to sub rounded of flint and chalk LAMBETH GROUP			
1.00	D2			(1.05)			1.0		
1.50	B1		65.79	1.45		Structureless off white CHALK in a clayey gravel matrix with high strength chalk clasts and occasional flint cobbles. Estimated CIRIA Grade Dc. TARRANT CHALK MEMBER	1.5		
1.50	D3			(0.65)					
2.00	B2						2.0		
2.00	D4		65.14	2.10		End of Trial Pit at 2.10m	2.5		
							3.0		
							3.5		
Dimensions:						Photo:			
Final Depth:	2.10m					 PhotoofPit			
Final Width:	0.50m								
Final Length:	2.20m								
Remarks						 PhotoofSpoil			
Clay present within Southern portion of pit, no chalk. Pit terminated at 2.1m bgl as chalk was very hard so unable to dig deeper									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP123		
	Contract Number: GE20772	Date Started: 27/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 467978.8	Northing: 112340.8	Ground Level: 67.20mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.50	D1		67.00	0.20		Grass over brown slightly silty gravelly CLAY with frequent roots and rootlets TOPSOIL		0.5	
				(0.45)		Stiff orange brown slightly gravelly CLAY with occasional rootlets. Gravel is medium to coarse sub angular to sub rounded of flint and chalk LAMBETH GROUP			
1.00	D2		66.55	0.65		Stiff orange brown gravelly CLAY with occasional flint cobbles. Gravel is medium to coarse sub angular to sub rounded of flint and chalk LAMBETH GROUP		1.0	
				(1.05)					
1.50	D3		65.50	1.70		Structureless off white CHALK in a silty and gravel matrix with medium strength chalk clasts and rare flint cobbles. Estimated CIRIA Grade Dc. TARRANT CHALK MEMBER		1.5	
				(1.30)					
2.00	D4		64.20	3.00		End of Trial Pit at 3.00m		2.0	
2.40	B1								
2.50	D5								
3.00	B2							2.5	
3.00	D6							3.0	
								3.5	
Dimensions:						Photo:			
Final Depth:	3.00m					 PhotoofPit			
Final Width:	0.60m								
Final Length:	2.40m								
Remarks						 PhotoofSpoil			
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP123a		
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 467973.9	Northing: 112335.6	Ground Level: 67.05mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:		Stability: Sides stable			
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
			66.75	(0.30)		Grass over brown slightly silty gravelly CLAY with frequent roots and rootlets TOPSOIL			
				0.30		Stiff orange brown gravelly CLAY with occasional rootlets and flint cobbles LAMBETH GROUP		0.5	
				(0.80)				1.0	
			65.95	1.10		End of Trial Pit at 1.10m		1.5	
								2.0	
								2.5	
								3.0	
								3.5	
Dimensions:						Photo:			
Final Depth:	1.10m					 26/09/2023 20:16 PhotoofPit			
Final Width:	0.60m								
Final Length:	2.20m								
Remarks						 26/09/2023 20:16 PhotoofSpoil			
Encountered water pipe with pit therefore pit terminated and relocated									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP124		
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 467995.0	Northing: 112347.3	Ground Level: 68.00mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
0.15	ES1	PP=2.6kg/cm2	67.80	0.20		Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL		0.5	
0.50	D1			(1.00)		Stiff light brown slightly gravelly CLAY with occasional rootlets. Gravel is fine to medium sub angular to sub rounded of chalk LAMBETH GROUP			
1.00	D2								
1.50	D3		66.80	1.20		Stiff light brown gravelly CLAY with frequent flint and chalk cobbles LAMBETH GROUP		1.5	
2.00	D4			(0.40)					
2.30	B1								
2.50	D5		66.40	1.60		Firm to stiff grey gravelly CLAY with occasional flint and chalk cobbles. Gravel is medium to coarse sub angular to sub rounded of chalk and flint LAMBETH GROUP		2.0	
3.00	B2			(0.30)					
3.00	D6								
			66.10	1.90		Structureless off white CHALK in a gravel matrix with high strength chalk clasts and occasional flint cobbles. Estimated CIRIA Grade Dc. TARRANT CHALK MEMBER		2.5	
			64.70	3.30		End of Trial Pit at 3.30m		3.0	
Dimensions:					Photo:				
Final Depth:	3.30m				 PhotoofPit				
Final Width:	0.53m								
Final Length:	2.20m								
Remarks					 PhotoofSpoil				
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP125	
	Contract Number: GE20772	Date Started: 26/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1		
Trial Pit Log	Easting: 468099.0	Northing: 112349.3	Ground Level: 70.55mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25		
	Weather: Overcast, dry		Hole Termination:		Stability: Sides stable			

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.50	D1	PP=2kg/cm2	70.35	0.20		Grass over brown slightly silty CLAY with frequent roots and rootlets TOPSOIL	0.5	
1.00	D2	PP=1.6kg/cm2		(1.40)		Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP	1.0	
1.50	D3	PP=2.4kg/cm2	68.95	1.60		End of Trial Pit at 1.60m	1.5	
							2.0	
							2.5	
							3.0	
							3.5	

Dimensions:		Photo:	
Final Depth:	1.60m	 PhotoofPit	 PhotoofSpoil
Final Width:	0.60m		
Final Length:	1.60m		
Remarks			
Soakage			
Water Strikes (mbgl)			
Depth Strike	Rose to	Time Elapsed (mins)	

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP126		
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1			
	Easting: 468106.2	Northing: 112197.6	Ground Level: 64.50mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25			
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable		
Samples & In Situ Testing			Strata Details					Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description			
						Grass over brown slightly silty slightly gravelly CLAY with frequent roots and rootlets. TOPSOIL			
		PP=3.5kg/cm2	64.25	0.25 (0.45)		Very stiff orange brown slightly sandy CLAY with occasional rootlets. Sand is fine. LAMBETH GROUP	0.5		
		PP=4kg/cm2	63.80	0.70 (0.40)		Very stiff orange brown slightly gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint. LAMBETH GROUP	1.0		
		PP=3.5kg/cm2	63.40	1.10 (0.70)		Very stiff orange brown CLAY with occasional flint gravel. LAMBETH GROUP	1.5		
		PP=3.2kg/cm2	62.70	1.80		Stiff to very stiff orange brown slightly sandy CLAY. Sand is fine. LAMBETH GROUP	2.0		
		PP=2.8kg/cm2					2.5		
		PP=3.4kg/cm2					3.0		
		PP=3.5kg/cm2							
		PP=2.6kg/cm2							
		PP=2.5kg/cm2							
		PP=2.7kg/cm2	61.10	3.40		End of Trial Pit at 3.40m	3.5		
Dimensions:						Photo:			
Final Depth:	3.40m					 PhotoofPit			
Final Width:	0.50m								
Final Length:	2.20m								
Remarks						 PhotoofSpoil			
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Woodcroft Farm Phase 3			Client: Grainger plc			Trial Pit ID: TP127			
	Contract Number: GE20772	Date Started: 25/09/2023	Logged By: FG	Checked By: FG	Status: FINAL	Sheet 1 of 1				
	Easting: 468071.6	Northing: 112189.8	Ground Level: 67.24mOD	Plant Used: JCB	Date Printed: 22/11/2023	Scale: 1:25				
Trial Pit Log		Weather: Cloudy, dry		Hole Termination:			Stability: Sides stable			
Samples & In Situ Testing			Strata Details						Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description				
						Grass over brown silty CLAY with frequent roots and rootlets. TOPSOIL				
		PP=2.9kg/cm2	67.04	0.20		Stiff orange brown slightly sandy CLAY with occasional rootlets. LAMBETH GROUP			0.5	
				(0.90)						
		PP=2.8kg/cm2							1.0	
		PP=2.5kg/cm2	66.14	1.10		Stiff orange brown slightly sandy CLAY. Sand is fine. LAMBETH GROUP				
		PP=1.8kg/cm2		(0.80)					1.5	
		PP=1.5kg/cm2								
		PP=1.1kg/cm2	65.34	1.90		Firm orange brown slightly sandy CLAY with occasional flint gravel and rare flint cobbles. LAMBETH GROUP			2.0	
		PP=1.5kg/cm2		(1.20)					2.5	
		PP=2.5kg/cm2								
		PP=2.3kg/cm2								
		PP=1.5kg/cm2	64.14	3.10					3.0	
						End of Trial Pit at 3.10m			3.5	
Dimensions:					Photo:					
Final Depth:	3.10m									
Final Width:	0.50m									
Final Length:	2.10m									
Remarks					 PhotoofPit					
Water Strikes (mbgl)					 PhotoofSpoil					
Depth Strike	Rose to		Time Elapsed (mins)							

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log Borehole No. WS01 Sheet 1 of 1					
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 467981E - 112322N		Hole Type WLS			
Location: Lovedean				Level: 67.11		Scale 1:25			
Client: Grainger plc				Dates: 27/09/2023		Logged By GR			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	66.81		Grass over dark brown silty CLAY with occasional fine and medium flint gravel and rootlets TOPSOIL	1 2 3 4 5
		0.50	D					Stiff brown CLAY becoming gravelly CLAY from 0.6m bgl. Gravel comprised fine to coarse subangular very weak to weak chalk and fine to coarse subrounded to subangular flint. Becoming firm to stiff from 2.0m bgl. Grading to brown, light brown and greenish grey from 1.6m bgl. LAMBETH GROUP	
		0.50	PP	2.5kg/cm2					
		0.75	PP	2.5kg/cm2					
		1.00	D						
		1.00	PP	2.5kg/cm2					
		1.00		N=11 (5,/2,3,3,3)					
		1.25	PP	1.5kg/cm2					
		1.50	D						
		1.50	PP	1.0kg/cm2					
		1.75	PP	1.5kg/cm2					
		2.00	D						
2.00		N=8 (2,/2,2,2,2)	2.05	65.06		Off white CHALK recovered as fine gravel sized clasts of very weak to weak chalk with a silt chalk matrix and occasional flint of gravel size grading to clast dominant by c. 2.4m bgl with clasts intact with infill of silty clayey matrix and occasional thin veins or brown clay. CIRIA Grade Dm grading into Dc from c. 2.4m bgl. TARRANT CHALK MEMBER			
2.50	D					White to off-white CHALK recovered as putty chalk 3.1-3.5m bgl with some angular clasts and possible structure visible from 3.5m bgl. Clasts c. 10-30mm size in contact with adjacent clasts. Some brown staining and black flecking on clast faces. TARRANT CHALK MEMBER			
3.00	D								
3.00		N=28 (10,/6,7,7,8)	3.10	64.01					
3.50	D								
		4.00	D						
		4.00		N=53 (11,/7,9,12,25)					
		4.50	D		4.50	62.61			
		4.50		N=85 (45,/24,26,23,12)					
						End of Borehole at 4.50m			
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole stable and dry. Backfilled with arisings. Refusal at 4.5m bgl.				
					 Status FINAL				



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Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
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Co-ords: 467983E - 112346N

Hole Type	WLS
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Location: Lovedean

Level:	67.20
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Scale
1:25

Client: Grainger plc

Dates: 27/09/2023

Logged By
GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					0.30	66.90		Grass over dark brown silty CLAY with occasional fine and medium flint gravel and rootlets TOPSOIL			
		0.50 0.50	D PP	1.0kg/cm2				Firm light brown and yellowish brown CLAY becoming slightly gravelly CLAY from 0.7m bgl. Gravel comprised fine and medium gravel of weak chalk and rounded to subangular flint. Some black flecking throughout. LAMBETH GROUP	1		
		0.75	PP	1.0kg/cm2							
		1.00 1.00 1.00	D PP	2.0kg/cm2 N=15 (6,/5,3,3,4)							
		1.50 1.50	D PP	2.0kg/cm2							
		2.00 2.00 2.00	D PP	1.5kg/cm2 N=6 (2,/1,1,2,2)	2.00	65.20	<u>Much chalk gravel</u>	Firm brown to dark brown CLAY with medium to coarse gravel of flint and fine to coarse gravel of very weak chalk. LAMBETH GROUP	2		
		2.30	PP	1.5kg/cm2							
		2.50 2.60	D PP	1.0kg/cm2							
		3.00 3.00	D	N=0 (1,/0,0,0,0)				<u>Very poor recovery (c. 15%) and possible void. SPT dropped under own weight.</u>	3		
		4.00		N=71 (0,/2,6,22,41)					4		
					4.50	62.70		End of Borehole at 4.50m	5		
		Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks Borehole stable and dry. Backfilled with arisings. Poor recovery (c. 15%) and soft/loose zone or possible void 3-4m bgl. Refusal at 4.5m bgl.					
		Depth Top	Depth Base	Diameter	Depth Strike						Rose To



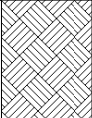
Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS04 Sheet 1 of 1	
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 467994E - 112321N		Hole Type WLS	
Location: Lovedean				Level: 67.05		Scale 1:25			
Client: Grainger plc				Dates: 27/09/2023		Logged By GR			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40	66.65		Grass over dark brown silty CLAY with occasional fine and medium flint gravel and rootlets TOPSOIL	1 2 3 4 5
		0.50	D					Stiff brown silty CLAY grading to yellow brown and light brown mottled slightly sandy CLAY with occasional fine angular to subangular flint gravel and rare black coarse sand (possibly ferruginous). Occasional fine and medium gravel of red flint from 1.7m bgl. LAMBETH GROUP	
		0.50	PP	2.0kg/cm2					
		0.75	PP	2.0kg/cm2					
		1.00	D						
		1.00	PP	2.0kg/cm2 N=15 (3,/2,5,4,4)			Occasional rounded fine gravel of chalk		
		1.00							
		1.25	PP	2.0kg/cm2					
		1.50	D						
		1.75	PP	1.5kg/cm2			Some coarse gravel of moderately weak to moderately strong chalk with black flecking on chalk clasts		
		2.00	D						
		2.00		N=46 (25,/10,13,11,12)	2.00	65.05			
		2.50	D						
		3.00	D				Off white CHALK composed of fine to coarse gravel sized clasts of weak to moderately weak chalk with some orange-brown staining and black flecking on clast faces and a silty chalk matrix. Estimated CIRIA Grade Dc. TARRANT CHALK MEMBER		
		3.00		N=12 (10,/4,4,2,2)					
3.50	D								
4.00	D								
4.00		N=17 (2,/2,1,7,7)			Brown clay vein infill brown clay vein				
4.50	D								
5.00	D								
5.00			5.00	62.05					
End of Borehole at 5.00m									
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole stable and dry. Backfilled with arisings.				
								 Status FINAL	

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS05 Sheet 1 of 1		
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468036E - 112231N		Hole Type WLS		
Location: Lovedean				Level: 65.00		Scale 1:25				
Client: Grainger plc				Dates: 27/09/2023		Logged By GR				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.40	64.60		Grass over dark brown silty CLAY with occasional fine and medium flint gravel and rootlets TOPSOIL	1 2 3 4 5	
		0.50	D					Firm brown silty CLAY with some fine and medium flint gravel becoming soft to firm from 1.2m bgl LAMBETH GROUP		
		1.00 1.00	D	N=6 (3,/2,1,1,2)						
		1.40 1.50	PP D	1.0kg/cm2						
		1.80	PP	1.5kg/cm2						
		2.00 2.00	D	N=4 (1,/0,1,1,2)						
		2.30	PP	1.0kg/cm2				occasional medium to coarse subrounded flint gravel from 2.3m bgl		
		2.50	D							
		2.80	PP	0.8kg/cm2				localised red mottling from 2.7m bgl		
		3.00 3.00	D	N=3 (0,/0,0,1,2)						
		3.20	PP	0.5kg/cm2						
		3.50	D							
		3.80	PP	0.5kg/cm2						
		4.00 4.00	D	N=0 (0,/0,0,0,0)				Very poor recovery (c. 10%) 4-5m bgl.		
		4.50	D							
		5.00		N=3 (0,/0,1,1,1)	5.00	60.00		End of Borehole at 5.00m		
		Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks Borehole stable and dry. Backfilled with arisings. Poor recovery (c. 10%) 4-5m bgl.				
Depth Top	Depth Base	Diameter	Depth Strike	Rose To						

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS06 Sheet 1 of 1		
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468022E - 112218N		Hole Type WLS		
Location: Lovedean				Level: 64.00		Scale 1:25				
Client: Grainger plc				Dates: 27/09/2023		Logged By GR				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								Grass over dark brown silty CLAY with occasional fine and medium flint gravel and rootlets TOPSOIL	1 2 3 4 5	
		0.50	D	4.5kg/cm2	0.45	63.55		Very stiff light brown light greyish brown and red brown mottled slightly gravelly slightly sandy CLAY. Gravel comprised medium to coarse subangular flint. LAMBETH GROUP		
		0.50	PP							
		0.90	PP	4.5kg/cm2	1.00	63.00		Very stiff light grey and orange brown mottled silty CLAY with occasional fine and medium gravel of ironstone LAMBETH GROUP		
		1.00	D							
		1.00	PP	N=14 (3,/3,3,3,5) 3.0kg/cm2						
		1.10								
		1.50	D		2.10	61.90		Stiff orange brown sandy CLAY LAMBETH GROUP		
		1.50	PP	3.0kg/cm2						
		1.90	PP	2.5kg/cm2	2.80	61.20		Orange brown silty SAND with ironstone fragments LAMBETH GROUP		
		2.00	D							
		2.00	PP	N=19 (5,/4,4,5,6) 3.5kg/cm2						
		2.20								
		2.50	D		3.00	61.00		Stiff orange brown sandy gravelly CLAY. Gravel comprised fine to medium flint. LAMBETH GROUP		
3.00	D		3.30	60.70		Stiff orange brown and grey sandy CLAY with medium gravel of flint some black flecking (possibly ferruginous) and pockets of sand. LAMBETH GROUP				
3.00	PP	N=18 (5,/4,4,4,6) 2.0kg/cm2								
3.10										
3.50	D		4.70	59.30		Off-white CHALK recovered as very weak fine gravel sized clasts of very weak chalk in a silty chalk and brown clay matrix. CIRIA Grade Dc. TARRANT CHALK MEMBER				
3.50	PP	2.5kg/cm2								
3.90	PP	2.0kg/cm2	5.00	59.00		End of Borehole at 5.00m				
4.00	D									
4.00										
4.50	D									
5.00	D									
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole stable and dry. Backfilled with arisings.					
 Status FINAL										

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS07 Sheet 1 of 1	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468030E - 112209N		Hole Type WLS	
Location: Lovedean				Level: 64.05		Scale 1:25	
Client: Grainger plc				Dates: 27/09/2023		Logged By GR	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40	63.65		Grass over dark brown silty CLAY with occasional fine and medium flint gravel and rootlets TOPSOIL	
		0.50	D					Very stiff light grey orange-brown and red-brown mottled silty CLAY LAMBETH GROUP	
		0.50	PP	3.0kg/cm2					
		0.70	PP	4.0kg/cm2					
		0.90	PP	3.0kg/cm2					
		1.00	D						
		1.00		N=19 (4,/4,4,5,6)					
		1.10	PP	2.0kg/cm2					
		1.40	PP	2.0kg/cm2					
		1.50	D						
		1.60				62.45		Orange-brown and yellow-brown clayey fine to coarse SAND becoming less clayey from 1.8m bgl. LAMBETH GROUP	2
		2.00	D	N=22 (12,/6,6,5,5)					
		2.00							
		2.30				61.75		Orange brown slightly clayey SAND with rare fine and medium subrounded flint gravel. LAMBETH GROUP	
		2.50	D						
		2.70				61.35		Stiff light brown light grey and orange-brown mottled silty CLAY LAMBETH GROUP	3
		3.00	D	N=13 (5,/2,3,3,5)				<u>pockets of ironstone grit</u>	
		3.00						<u>pockets of ironstone grit</u>	
3.40	PP	2.0kg/cm2							
3.50	D					<u>pockets of ironstone grit</u>			
3.80				60.25		Off-white CHALK recovered as fine and medium gravel sized clasts of very weak chalk in a silty chalk and brown clay matrix. CIRIA Grade Dc. TARRANT CHALK MEMBER	4		
4.00	D	N=25 (6,/5,4,8,8)							
4.00									
		4.50	D						
		5.00	D		5.00	59.05		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Borehole stable and dry. Backfilled with arisings.


 Status
 FINAL



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Borehole Log

WS08

Sheet 1 of 1

Project No.
GE20772

Hole Type	WLS
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
14	0.0000
15	0.0000
16	0.0000
17	0.0000
18	0.0000
19	0.0000
20	0.0000
21	0.0000
22	0.0000
23	0.0000
24	0.0000
25	0.0000
26	0.0000
27	0.0000
28	0.0000
29	0.0000
30	0.0000
31	0.0000
32	0.0000
33	0.0000
34	0.0000
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36	0.0000
37	0.0000
38	0.0000
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40	0.0000
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91	0.0000
92	0.0000
93	0.0000
94	0.0000
95	0.0000
96	0.0000
97	0.0000
98	0.0000
99	0.0000
100	0.0000

Level:	65.50
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Scale
1:25

Dates: 28/09/2023

Logged By
FG



Status
FINAL

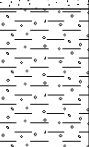
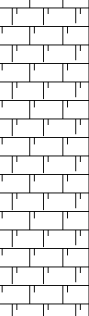
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log Borehole No. WS09 Sheet 1 of 1			
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468144E - 112209N		Hole Type WLS	
Location: Lovedean				Level: 64.55		Scale 1:25	
Client: Grainger plc				Dates: 28/09/2023		Logged By FG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	64.30		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	1
		0.50 0.50	D PP	4.0kg/cm2				Very stiff orange brown slightly gravelly dessicated CLAY with frequent rootlets LAMBETH GROUP	
		1.00 1.00 1.00	D PP	4.0kg/cm2 N=14 (6,/3,4,4,3)	1.05 1.20	63.50 63.35		Stiff orange brown gravelly CLAY. Gravel is medium to coarse sub angular to sub rounded of flint LAMBETH GROUP	
		1.50 1.50	D PP	3.1kg/cm2				Stiff orange and grey mottled CLAY with frequent flint gravel LAMBETH GROUP	
		2.00 2.00 2.00	D PP	3.6kg/cm2 N=13 (5,/3,4,3,3)	2.10	62.45		Stiff orange and grey mottled CLAY LAMBETH GROUP	
		2.50 2.50	D PP	3.0kg/cm2					
		3.00 3.00 3.00	D PP	2.9kg/cm2 N=12 (4,/2,3,3,4)					
		3.40 3.50 3.50	D PP	2.0kg/cm2	3.40 3.60 3.80	61.15 60.95 60.75		Stiff orange and grey mottled slightly gravelly CLAY. Gravel is medium to coarse sub angular to sub rounded of red flint LAMBETH GROUP	
		4.00 4.00 4.00	D PP	2.2kg/cm2 N=15 (5,/3,4,4,4)				Orange brown slightly clayey fine SAND LAMBETH GROUP	
		4.20			60.35			Stiff orange and grey mottled slightly sandy CLAY with occasional flint gravel LAMBETH GROUP	
		4.50	D					Orange brown slightly clayey fine SAND LAMBETH GROUP	
		5.00	D		5.00	59.55		End of Borehole at 5.00m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
					Borehole stable and dry. Backfilled with arisings	

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS10 Sheet 1 of 1		
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468140E - 112194N		Hole Type WLS		
Location: Lovedean				Level: 63.50		Scale 1:25				
Client: Grainger plc				Dates: 28/09/2023		Logged By FG				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.25	63.25		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50 0.50	D PP	4.1kg/cm2				Very stiff orange brown CLAY with occasional rootlets. Possibly desiccated LAMBETH GROUP		
										2
		1.00 1.00 1.00	D PP	3.4kg/cm2 N=14 (4,/3,3,4,4)						
										3
		1.50 1.50	D PP	3.5kg/cm2				Very stiff orange and grey mottled CLAY with frequent flint gravel LAMBETH GROUP		
										4
		2.00 2.00 2.00	D PP	3.6kg/cm2 N=12 (3,/3,2,3,4)						
										5
		2.50 2.50	D PP	2.6kg/cm2				Stiff orange and grey mottled sandy CLAY. Sand is fine LAMBETH GROUP		
3.00 3.00	D	N=23 (9,/5,6,6,6)				Orange brown slightly clayey fine to medium SAND LAMBETH GROUP				
3.50	D					Pale yellow fine to medium SAND LAMBETH GROUP				
4.00 4.00	D	N=12 (4,/3,2,3,4)				Dark orange brown slightly clayey medium SAND LAMBETH GROUP				
4.50	D					Firm orange brown sandy gravelly CLAY. Sand is medium and gravel is fine to medium sub angular to sub rounded of flint LAMBETH GROUP				
5.00	D					Stiff grey and brown slightly sandy CLAY. Sand is fine LAMBETH GROUP				
							End of Borehole at 5.00m			
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole stable and dry. Backfilled with arisings					
					 Status FINAL					

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log Borehole No. WS11 Sheet 1 of 1					
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468121E - 112193N		Hole Type WLS	
Location: Lovedean				Level: 63.80		Scale 1:25			
Client: Grainger plc				Dates: 28/09/2023		Logged By FG			

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.20	63.60		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50 0.50	D PP	4.0kg/cm2				Very stiff orange brown CLAY with occasional rootlets and flint gravel. Possibly desiccated LAMBETH GROUP		
		1.00 1.00 1.00	D PP	4.0kg/cm2 N=15 (4,/3,3,4,5)						
		1.50 1.50	D PP	3.4kg/cm2						
		1.70			62.10					
		2.00 2.00 2.00	D PP	2.1kg/cm2 N=13 (4,/2,3,3,5)						
		2.50 2.50	D PP	3.2kg/cm2						
		2.75			61.05					
		2.90			60.90					
		3.00 3.00	D	N=15 (6,/3,3,4,5)						
					3.20	60.60		Stiff orange and grey mottled slightly sandy gravelly CLAY. Sand is fine and gravel is medium to coarse sub angular to sub rounded of flint LAMBETH GROUP Orange brown fine to medium SAND LAMBETH GROUP	3	
		3.50 3.50	D PP	2.4kg/cm2				Stiff light grey slightly gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint and chalk LAMBETH GROUP		
		3.70			60.10					
		3.90			59.90					
					4.00 4.00		D	N=38 (8,/5,8,11,14)		4
		4.50	D					Recovered as structureless off white CHALK in a silty gravel matrix with medium strength chalk clasts. Ciria grade Dc TARRANT CHALK MEMBER		
					5.00	58.80		End of Borehole at 5.00m	5	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
					Borehole stable and dry. Backfilled with arisings	

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS12 Sheet 1 of 2	
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468168E - 112177N		Hole Type WLS	
Location: Lovedean				Level: 62.50		Scale 1:25			
Client: Grainger plc				Dates: 29/09/2023		Logged By FG			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	62.25		Grass over dark brown gravelly CLAY with frequent roots and rootlets TOPSOIL	1 2 3 4 5
		0.50	D					Firm to stiff orange brown gravelly CLAY with occasional rootlets. Gravel is medium to coarse sub angular to sub rounded of flint LAMBETH GROUP	
		0.80						Stiff orange brown sandy CLAY with rare rootlets. Sand is fine LAMBETH GROUP	
		1.00	D	1.5kg/cm2 N=13 (3,2,3,4,4)	1.10	61.40		Very stiff orange and grey mottled CLAY LAMBETH GROUP	
		1.00	PP					Stiff orange brown slightly sandy CLAY. Sand is fine LAMBETH GROUP	
		1.50	D	3.5kg/cm2	1.55	60.95		Very stiff dark grey and brown mottled CLAY LAMBETH GROUP	
		1.50	PP					Off white slightly silty fine to coarse sub angular GRAVEL LAMBETH GROUP	
		2.00	D	1.6kg/cm2 N=8 (4,2,2,2,2)	2.10	60.40		Stiff orange brown sandy CLAY. Sand is medium LAMBETH GROUP	
		2.00	PP					Recovered as structureless off white CHALK in a silt matrix with medium strength chalk clasts. Ciria grade Dc. TARRANT CHALK MEMBER	
		2.00	D					Continued on Next Sheet	
		2.50	D					Continued on Next Sheet	
		3.00	D	N=0 (0,0,0,0,0)	3.20	59.30		Continued on Next Sheet	
		3.00						Continued on Next Sheet	
		3.50	D					Continued on Next Sheet	
		4.00	D	N=5 (0,1,2,1,1)	4.60	57.90		Continued on Next Sheet	
4.00						Continued on Next Sheet			
4.50	D		5.00	57.50		Continued on Next Sheet			
5.00	D					Continued on Next Sheet			
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To					
						Status FINAL			

Poor sample recovery From 3m bgl. SPTs, no readings between 3m and 5m, recovered soils very loose in composition, comprised a backfill type material.



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Borehole Log

WS12

Sheet 2 of 2

Project No.
GE20772

Hole Type	WLS
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
14	0.0000
15	0.0000
16	0.0000
17	0.0000
18	0.0000
19	0.0000
20	0.0000
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25	0.0000
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27	0.0000
28	0.0000
29	0.0000
30	0.0000
31	0.0000
32	0.0000
33	0.0000
34	0.0000
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36	0.0000
37	0.0000
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94	0.0000
95	0.0000
96	0.0000
97	0.0000
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99	0.0000
100	0.0000

Scale
1:25

Logged By
FG

6

Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS13 Sheet 1 of 1	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468165E - 112155N		Hole Type WLS	
Location: Lovedean				Level: 61.45		Scale 1:25	
Client: Grainger plc				Dates: 29/09/2023		Logged By FG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.25	61.20		Grass over dark brown gravelly CLAY with frequent roots and rootlets TOPSOIL	1
		0.50 0.50	D PP	2.5kg/cm2				Stiff orange and grey slightly sandy CLAY with occasional rootlets LAMBETH GROUP	
		1.00 1.00 1.00	D PP	2.0kg/cm2 N=9 (3,/2,2,2,3)	1.20	60.25		Firm light brown and off white very gravelly CLAY. Gravel is fine to coarse sub angular to sub rounded of flint and chalk LAMBETH GROUP	2
		1.50	D						
		2.00 2.00	D	N=9 (3,/2,2,3,2)	2.10	59.35		Recovered as structureless off white CHALK in a silt matrix with high strength chalk clasts. Ciria grade Dm. TARRANT CHALK MEMBER	3
		2.50	D						
		3.00 3.00 3.00	D PP	3.5kg/cm2 N=11 (6,/3,2,3,3)	3.10	58.35		Very stiff light grey slightly gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of chalk LAMBETH GROUP	4
		3.50	D						
		4.00 4.00	D	N=25 (9,/8,6,6,5)	4.20	57.25		Recovered as structureless off white putty like CHALK in a silty matrix with weak strength chalk clasts. Ciria grade Dm. TARRANT CHALK MEMBER	5
				5.00	56.45		End of Borehole at 5.00m		

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
					Borehole stable and dry. Backfilled with arisings	

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS14 Sheet 1 of 1		
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468202E - 112177N		Hole Type WLS		
Location: Lovedean				Level: 64.00		Scale 1:25				
Client: Grainger plc				Dates: 29/09/2023		Logged By FG				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.25	63.75		Grass over dark brown silty CLAY with frequent roots and rootlets TOPSOIL	1	
		0.50	D					Firm to stiff orange brown sandy CLAY with occasional rootlets. Sand is fine LAMBETH GROUP		
		1.00 1.00	D	N=6 (3/2,1,1,2)						
		1.30			62.70			Stiff orange brown slightly sandy CLAY. Sand is fine LAMBETH GROUP		
		1.50 1.50	D PP	2.5kg/cm2						
		2.00 2.00 2.00	D PP	2.0kg/cm2 N=7 (3/2,1,2,2)	2.10	61.90		Firm to stiff orange and grey mottled sandy CLAY with occasional flint gravel. Sand is fine LAMBETH GROUP		
		2.50	D							
		2.70			61.30			Stiff orange and grey mottled slightly sandy CLAY with occasional flint gravel LAMBETH GROUP		
		3.00 3.00	D	N=11 (6/3,2,3,3)	3.10	60.90		Stiff orange brown gravelly CLAY. Gravel is medium to coarse sub angular flint gravel LAMBETH GROUP		
		3.40			60.60			Stiff orange and grey mottled slightly sandy CLAY with flint gravel LAMBETH GROUP		
		3.50 3.50	D PP	2.3kg/cm2						
		4.00 4.00 4.00	D PP	3.9kg/cm2 N=16 (4/3,4,4,5)	4.20	59.80		Orange brown slightly clayey fine to medium SAND LAMBETH GROUP		
4.50	D						4			
5.00	D		5.00	59.00		End of Borehole at 5.00m		5		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks Borehole stable and dry. Backfilled with arisings						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To



Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS15 Sheet 1 of 2		
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468215E - 112207N		Hole Type WLS		
Location: Lovedean				Level: 66.55		Scale 1:25				
Client: Grainger plc				Dates: 28/09/2023		Logged By FG				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.20	66.35		Grass over dark brown slightly silty slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	1 2 3 4 5	
		0.50 0.50	D PP	3.3kg/cm2				Very stiff orange and grey mottled CLAY with occasional roots and rootlets. Possibly desiccated LAMBETH GROUP		
		1.00 1.00 1.00	D PP	4.0kg/cm2 N=15 (4,/3,4,3,5)						
		1.50 1.50	D PP	4.0kg/cm2	1.70	64.85		Stiff orange and grey mottled CLAY LAMBETH GROUP		
		2.00 2.00 2.00	D PP	3.3kg/cm2 N=14 (4,/3,3,4,4)						
		2.50 2.50	D PP	2.8kg/cm2	2.70	63.85		Stiff orange and grey mottled slightly sandy CLAY LAMBETH GROUP		
		3.00 3.00 3.00	D PP	2.9kg/cm2 N=13 (6,/3,2,4,4)						
		3.50 3.50	D PP	1.7kg/cm2						
		4.00 4.00 4.00	D PP	1.6kg/cm2 N=15 (4,/3,3,4,5)						
		4.50 4.50	D PP	1.9kg/cm2						
		5.00	D		5.00	61.55	Continued on Next Sheet			
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					 Status FINAL	
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole stable and dry. Backfilled with arisings					



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Borehole Log

WS15

Sheet 2 of 2

Project No.
GE20772

Hole Type	WLS
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
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Scale
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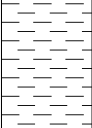
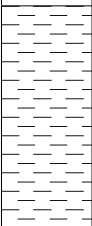
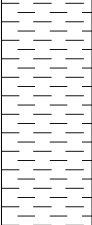
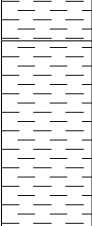
Logged By
FG

6

Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS16 Sheet 1 of 1				
Project Name: Woodcroft Farm Phase 3				Project No. GE20772		Co-ords: 468189E - 112177N		Hole Type WLS				
Location: Lovedean				Level: 62.10		Scale 1:25						
Client: Grainger plc				Dates: 29/09/2023		Logged By FG						
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
					0.25	61.85		Grass over dark brown slightly gravelly CLAY with frequent roots and rootlets TOPSOIL	1			
		0.50 0.50	D PP	2.0kg/cm2				Stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP				
					1.00 1.00 1.00	D PP	3.1kg/cm2 N=11 (3,/2,3,3,3)	1.20	60.90			2
					1.50	D			Stiff brown gravelly CLAY. Gravel is medium to coarse sub angular to sub rounded of chalk LAMBETH GROUP			
					2.00 2.00	D	N=6 (3,/1,2,1,2)	2.15	59.95			
					2.40			59.70		Pale yellow brown slightly silty fine to coarse sub angular to sub rounded chalk GRAVEL LAMBETH GROUP		
					2.50	D			Recovered as structureless off white CHALK in a gravel matrix with medium strength chalk clasts with occasional clay intrusions. Ciria grade Dc. TARRANT CHALK MEMBER	3		
					3.00 3.00	D	N=2 (1,/0,1,0,1)					
					3.50	D		3.30	58.80		Recovered as structureless off white CHALK in a silty gravel matrix with medium strength chalk clasts. Ciria grade Dc. TARRANT CHALK MEMBER	
					4.00 4.00	D	N=39 (11,/5,12,11,11)	4.10	58.00		Recovered as structureless putty like off white CHALK in a silty gravel matrix with medium strength chalk clasts. Ciria grade Dm. TARRANT CHALK MEMBER	4
			4.50	D								
			5.00	D		5.00	57.10		End of Borehole at 5.00m	5		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks								
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole stable and dry. Backfilled with arisings							
					 Status FINAL							

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log			Borehole No. WS17 Sheet 1 of 2	
Project Name: Woodcroft Farm Phase 3		Project No. GE20772		Co-ords: 468282E - 112250N		Hole Type WLS
Location: Lovedean				Level: 70.03		Scale 1:25
Client: Grainger plc				Dates: 28/09/2023		Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description				
		Depth (m)	Type	Results								
					0.25	69.78		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL				
		0.50 0.50	D PP	1.3kg/cm2	0.70	69.33		Firm becoming stiff orange and grey mottled CLAY with occasional rootlets LAMBETH GROUP				
		1.00 1.00 1.00	D PP	1.8kg/cm2 N=10 (2,/2,2,3,3)				Stiff orange, grey and red mottled CLAY LAMBETH GROUP	1			
		1.50 1.50	D PP	3.0kg/cm2				Decaying roots				
		2.00 2.00 2.00	D PP	1.4kg/cm2 N=11 (2,/2,2,3,4)				Decaying roots				
		2.50 2.50	D PP	2.8kg/cm2				Decaying roots				
					3.00 3.00 3.00	D PP	2.5kg/cm2 N=14 (4,/3,3,3,5)				Decaying roots	3
		3.50 3.50	D PP	2.4kg/cm2	Decaying roots							
		4.00 4.00 4.00	D PP	2.4kg/cm2 N=19 (6,/4,4,5,6)	Decaying roots							
					4.50 4.50	D PP	3.0kg/cm2				Stiff purplish grey and red mottled CLAY LAMBETH GROUP	4
5.00	D											
			5.00		65.03		Continued on Next Sheet		5			

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
					Borehole stable and dry. Backfilled with arisings	



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Borehole Log

WS17

Sheet 2 of 2

Project No.
GE20772

Hole Type	WLS
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
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Scale
1:25

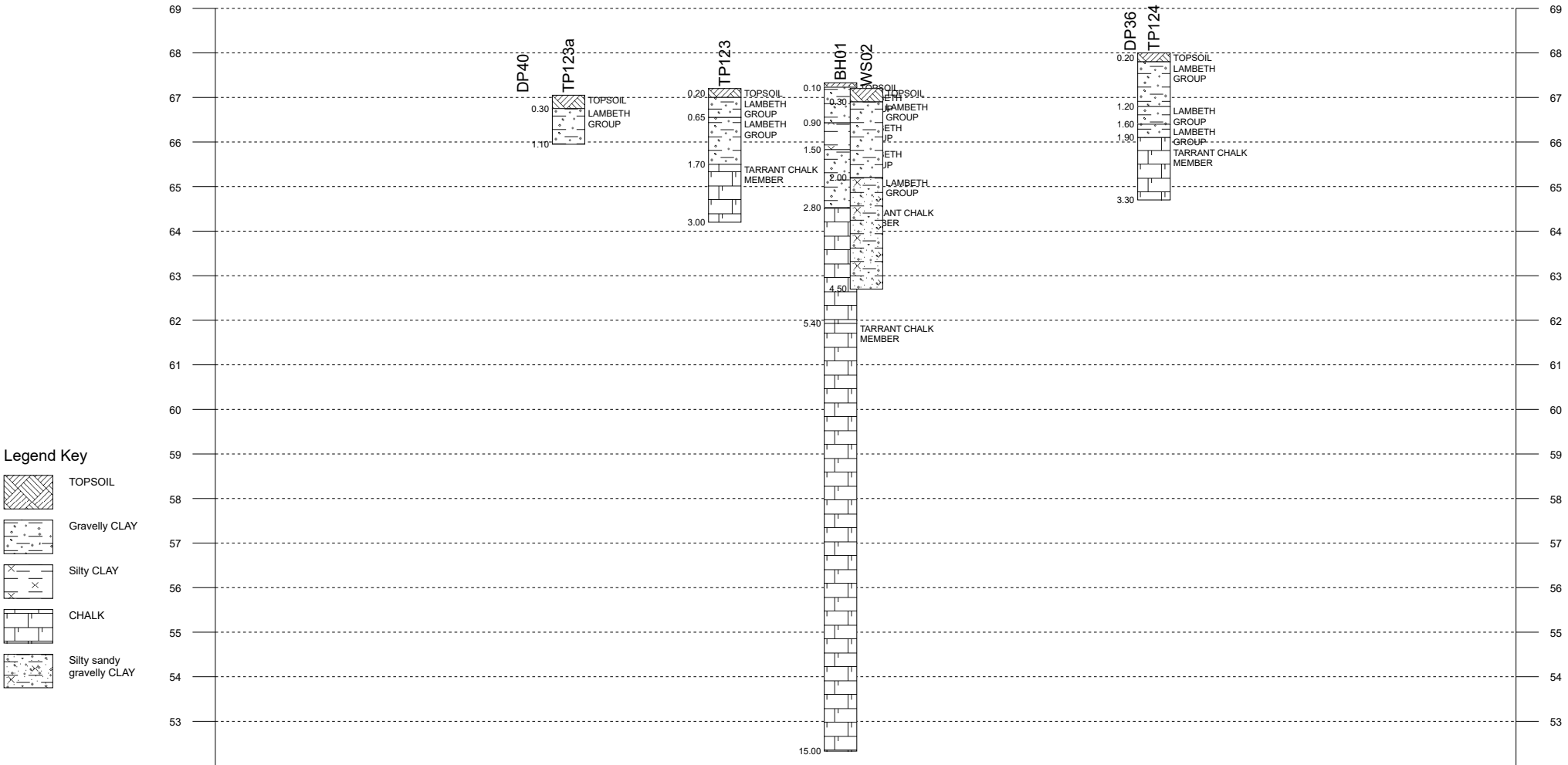
Logged By
FG

6

Status
FINAL

Project Id: GE20772
Project Title: Woodcroft Farm Phase 3
Location: Lovedean
Client: Grainger plc

Title: Sinkhole 1 SW-NE
Vertical Scale: 1:131
Horizontal Scale: 1:239
Engineer: FG



Chainage (m)	0.00	6.61	8.47	14.86	19.60	20.66	31.47	32.43	41.24
Offset (m)		2.05	2.72	5.78	7.86	9.43	2.44	5.98	
Elevation (mAOD)		67.05	67.05	67.20	67.33	67.20	68.00	68.00	

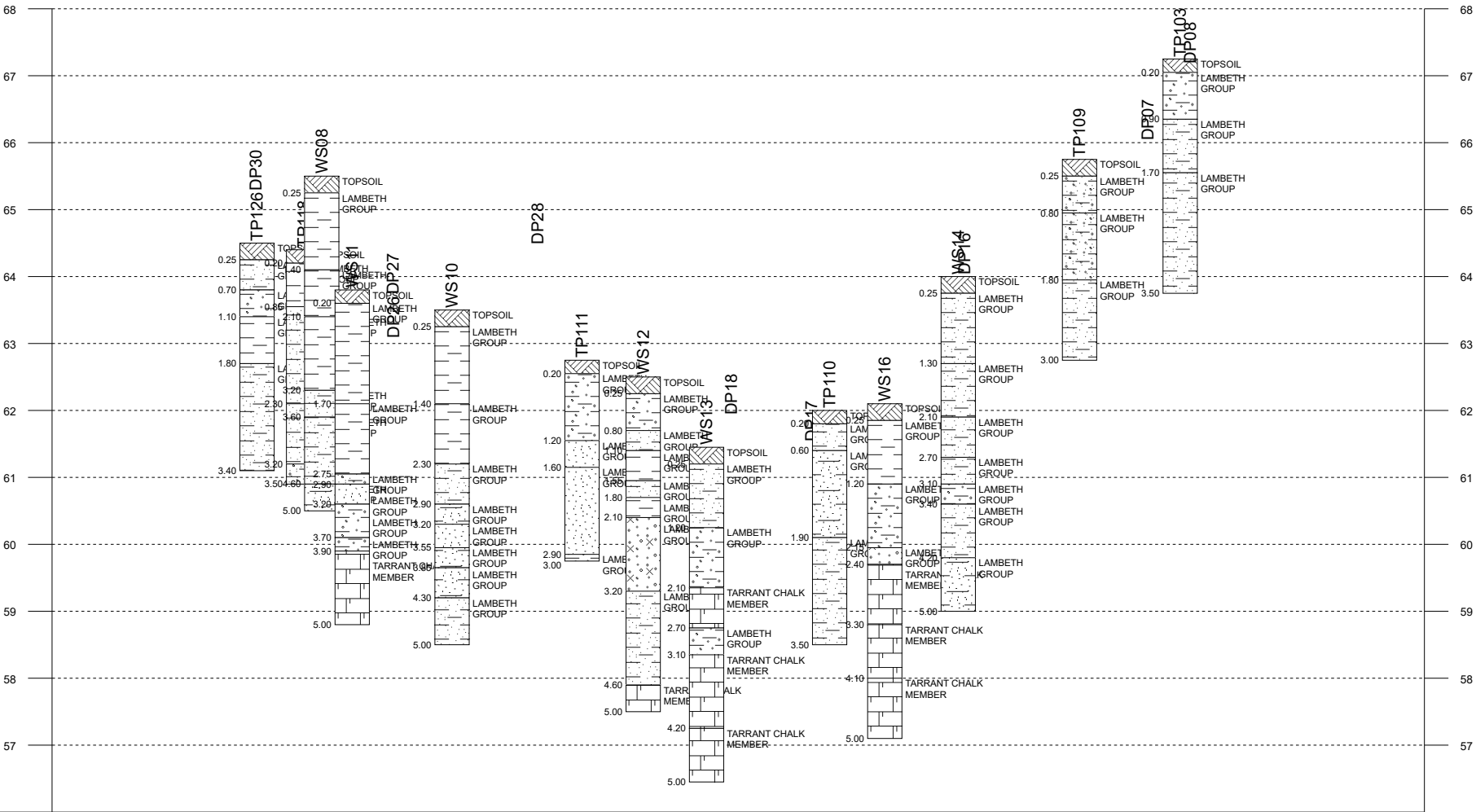
Project Id: GE20772
Project Title: Woodcroft Farm Phase 3
Location: Lovedean
Client: Grainger plc

Title: Sinkholes 3 & 4
Vertical Scale: 1:92
Horizontal Scale: 1:968
Engineer: FG



Legend Key

- TOPSOIL
- Gravelly CLAY
- Sandy CLAY
- Sandy gravelly CLAY
- CLAY
- SAND
- Clayey SAND
- Silty GRAVEL
- CHALK



Chainage (m)	0.00	7.95	15.27	18.12	22.90	29.83	38.59	52.04	54.12	59.02	68.63	78.59	82.48	95.07	97.83	106.59	118.14	137.20	147.92	153.01	164.59	169.44
Offset (m)		0.40	0.95	4.13	6.88	8.95	4.35	2.66	4.87		10.46	8.27	6.56	2.70	4.99	8.15	1.88	3.55	7.33	10.25	0.16	
Elevation (mAOD)		64.95	64.40	64.36	63.80	63.08	63.50	64.45	62.75		62.50	61.45	61.90	61.50	62.00	62.10	64.00	65.75	66.00	67.25	67.15	



APPENDIX B

Dynamic Probing Logs





Geo-Environmental

Probe Log

Borehole No.

DP01

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468295.24 - 112300.75

Hole Type
DP

Location: Lovedean

Level: 71.70

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
1	2 3 3 2 3 2 3 3 4				0
2	3 5 4 4 4 3 4 3 4 2 2 3 3 4 4				0
3	3 4 4 3 4 3 4 3 4 3 4				0
4	3 4 4 4 4 3 4 3 4 3 4				0
5	3 3 4 4 3 3 4 4 3 4 3 4				0
6	3 4 3 4 3 4 3 4 3 4 3 4				0
7	3 4 5 5 6 7 7 7 8 7 9				0
8	15				10
9					
10					

Remarks

50 Blows for 80mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 8.00

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP02

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468255.90 - 112281.43

Hole Type
DP

Location: Lovedean

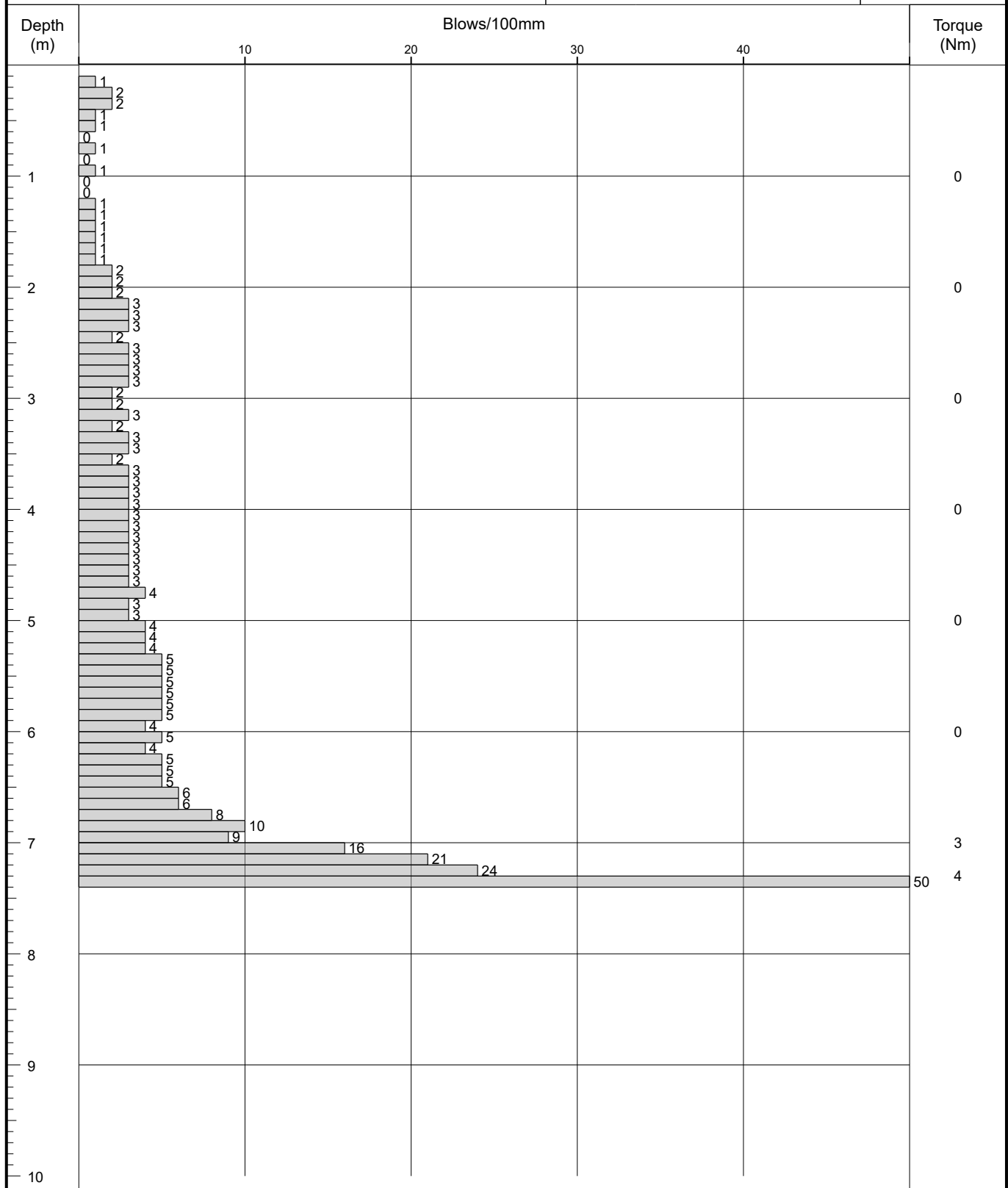
Level: 68.95

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

50 Blows for 60mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 7.30

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP03

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468254.55 - 112255.61

Hole Type
DP

Location: Lovedean

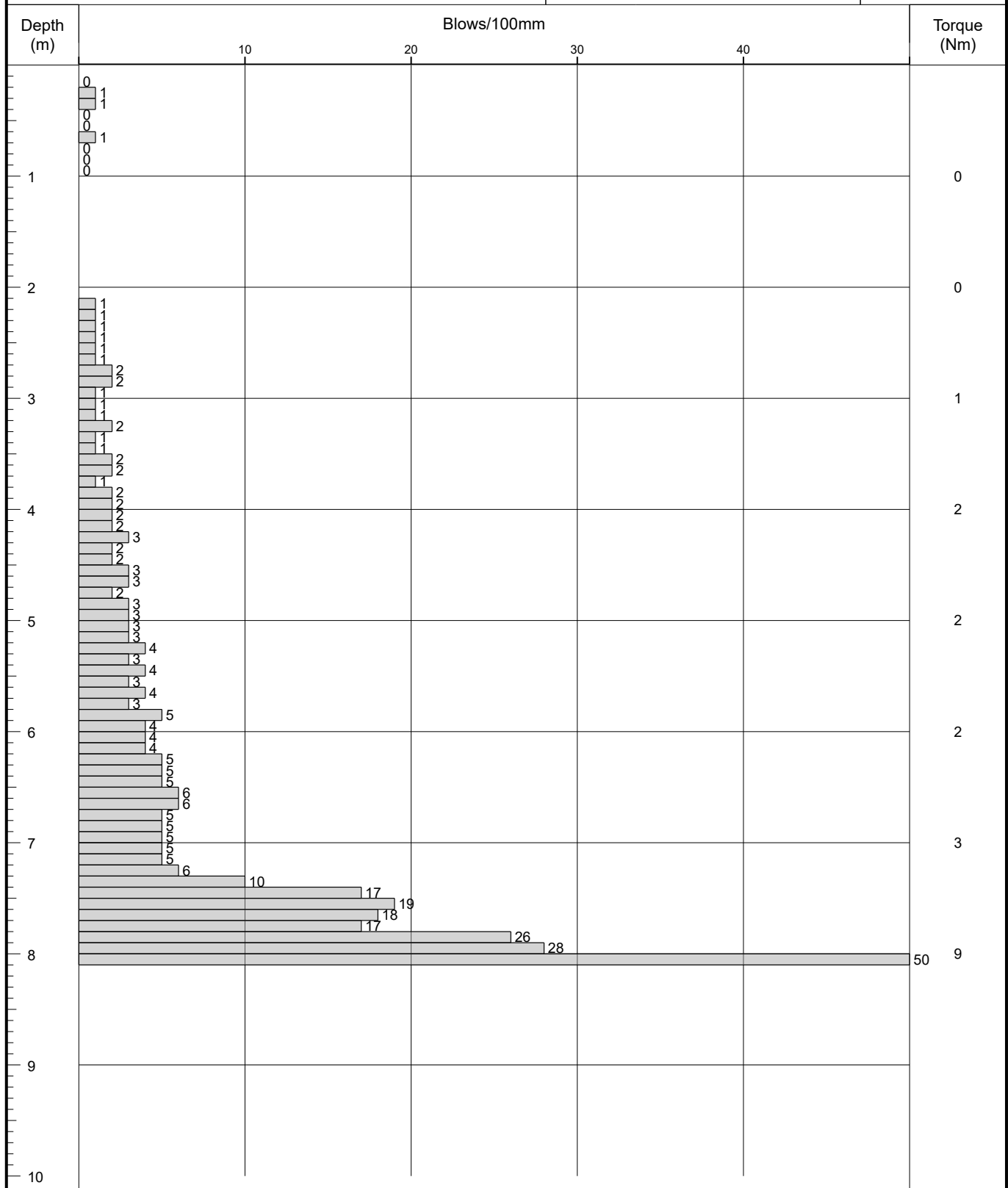
Level: 68.85

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

Probe settled under weight between 1m and 2m bgl.
50 Blows for 80mm penetration

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 8.00

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP04

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468233.76 - 112258.57

Hole Type
DP

Location: Lovedean

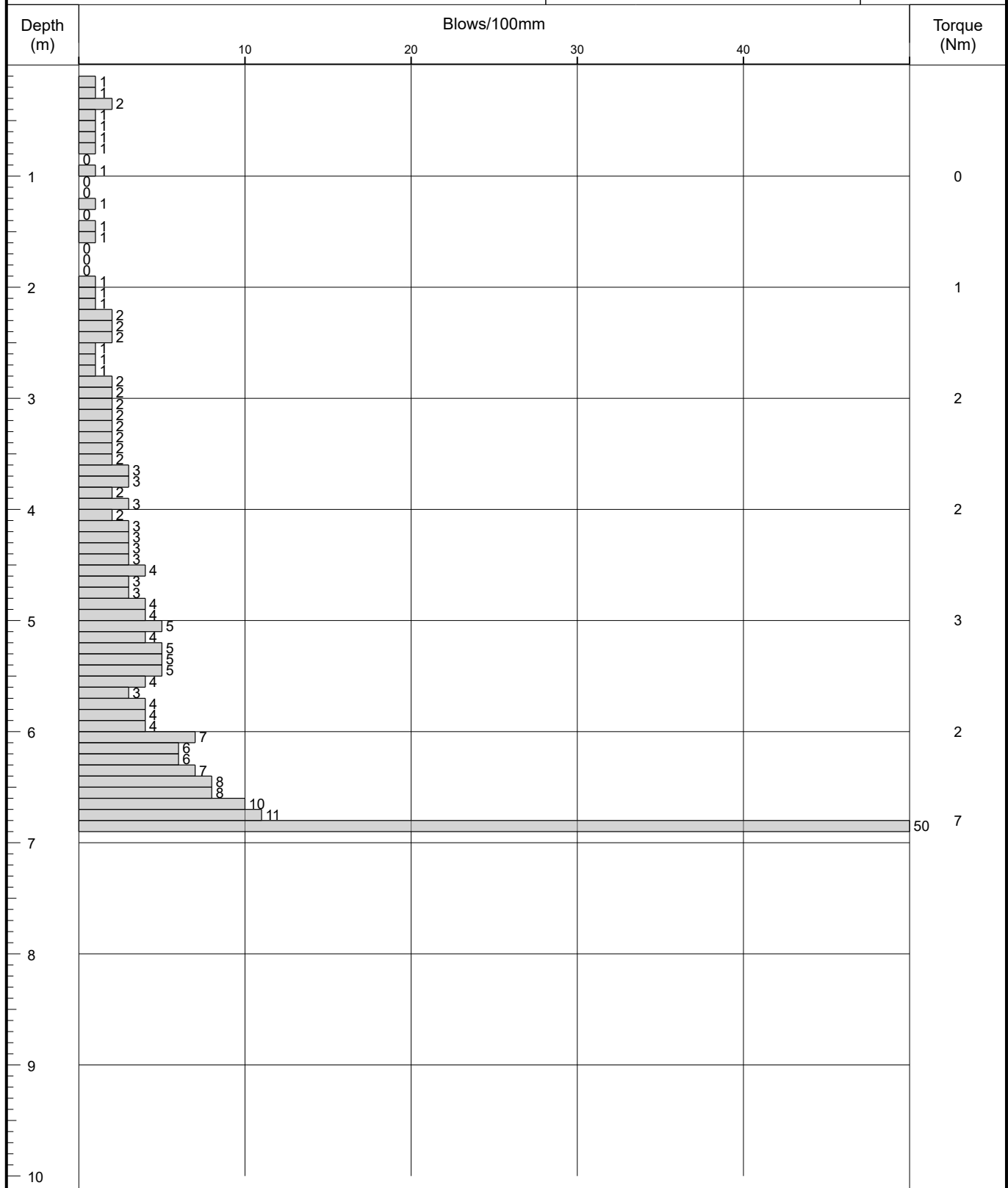
Level: 67.55

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

50 Blows for 40mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 6.80

Log Scale 1:50





Borehole No.

DP05

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
-------------	---------

Co-ords: 468267.77 - 112223.20

Hole Type
DP

Location: Lovedean

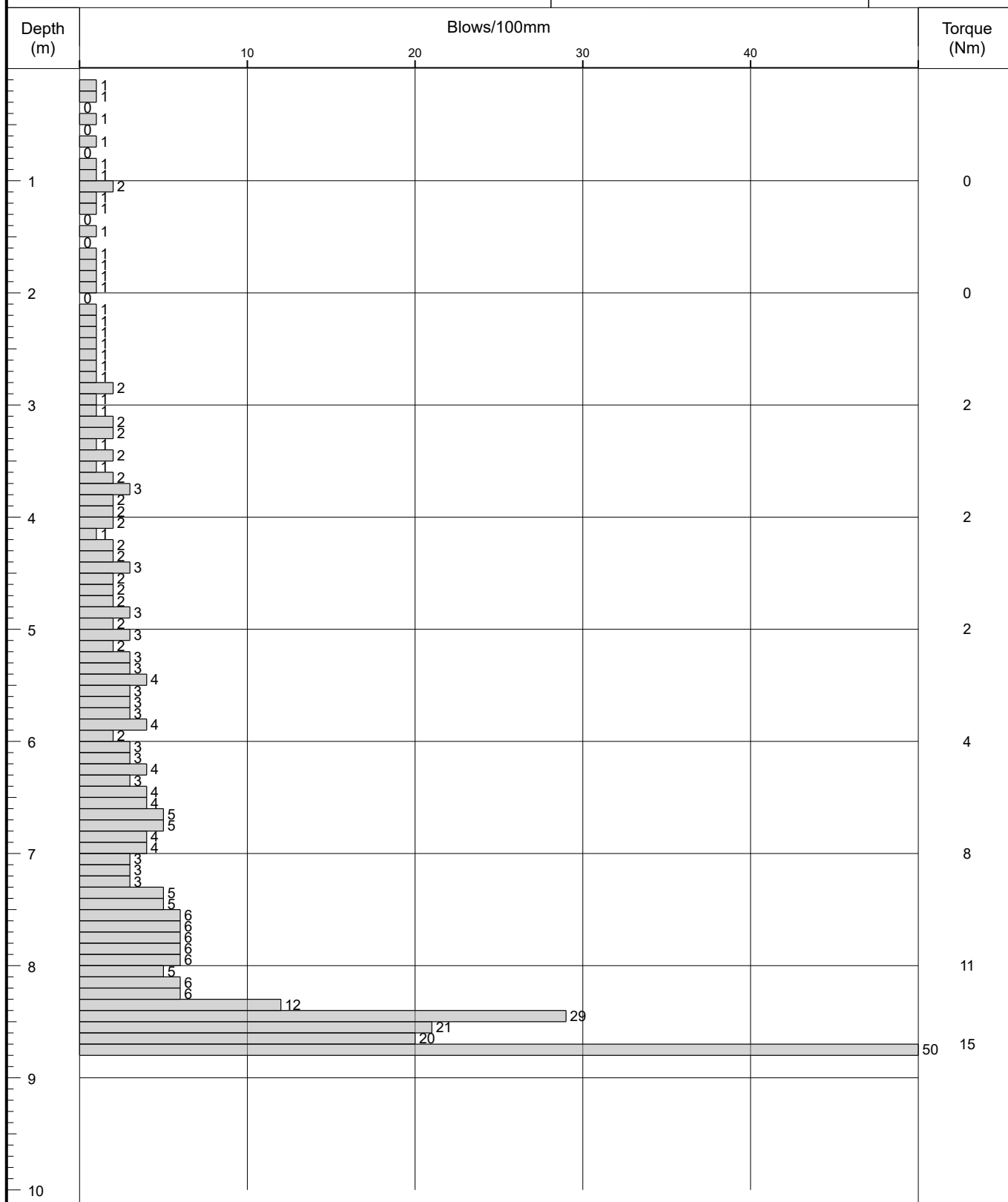
Level:	69.00
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Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

50 Blows for 30mm penetration

Fall Height

Hammer Wt

Probe Type	DPSH
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Cone Base Diameter

Final Depth	8.70
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Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP06

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468224.48 - 112210.62

Hole Type
DP

Location: Lovedean

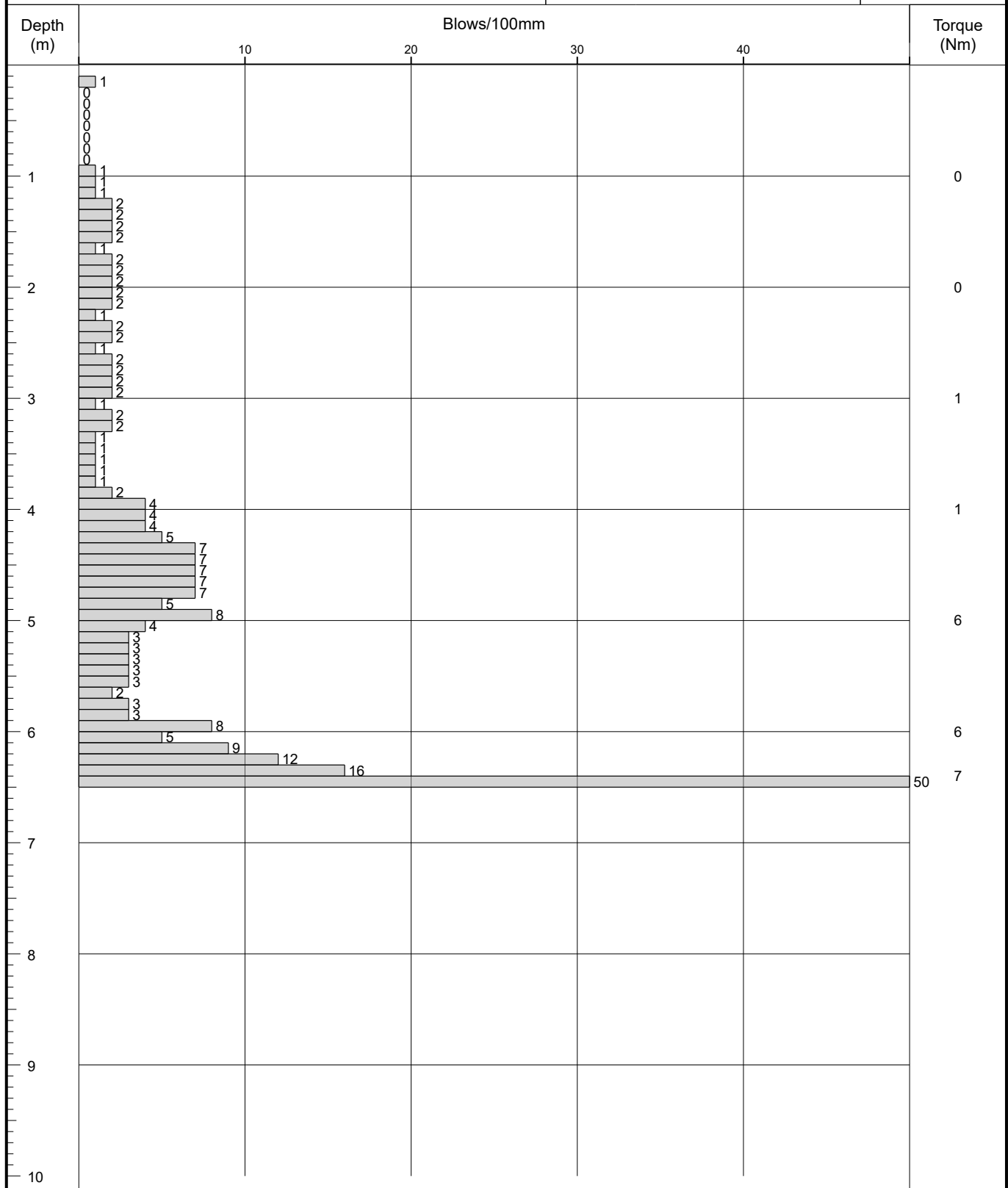
Level: 66.30

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

50 Blows for 40mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 6.40

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP07

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468225.44 - 112196.28

Hole Type
DP

Location: Lovedean

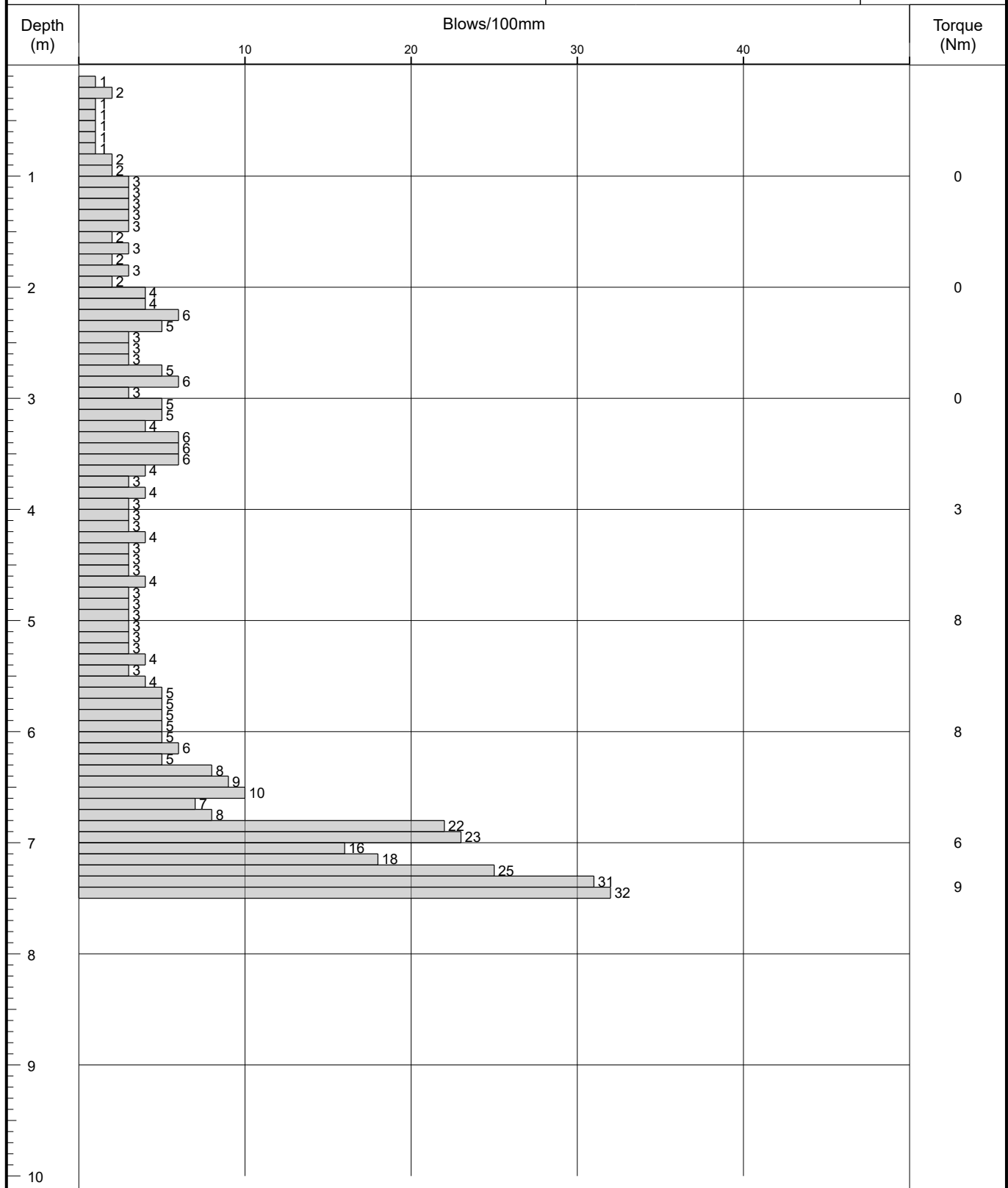
Level: 66.00

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 7.40

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP08

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468234.76 - 112193.29

Hole Type
DP

Location: Lovedean

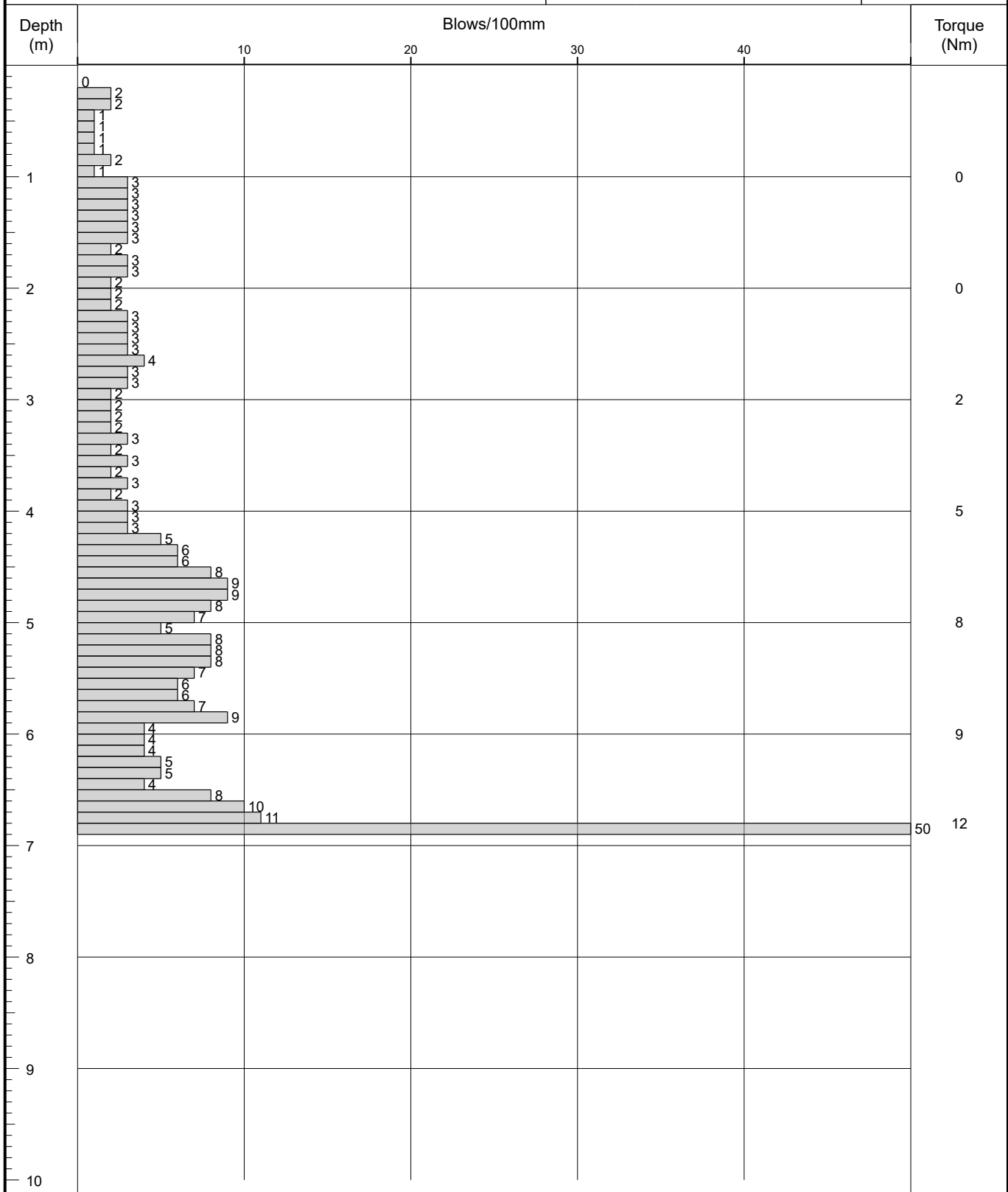
Level: 67.15

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

50 Blows for 100mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 6.80

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP09

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468241.24 - 112181.59

Hole Type
DP

Location: Lovedean

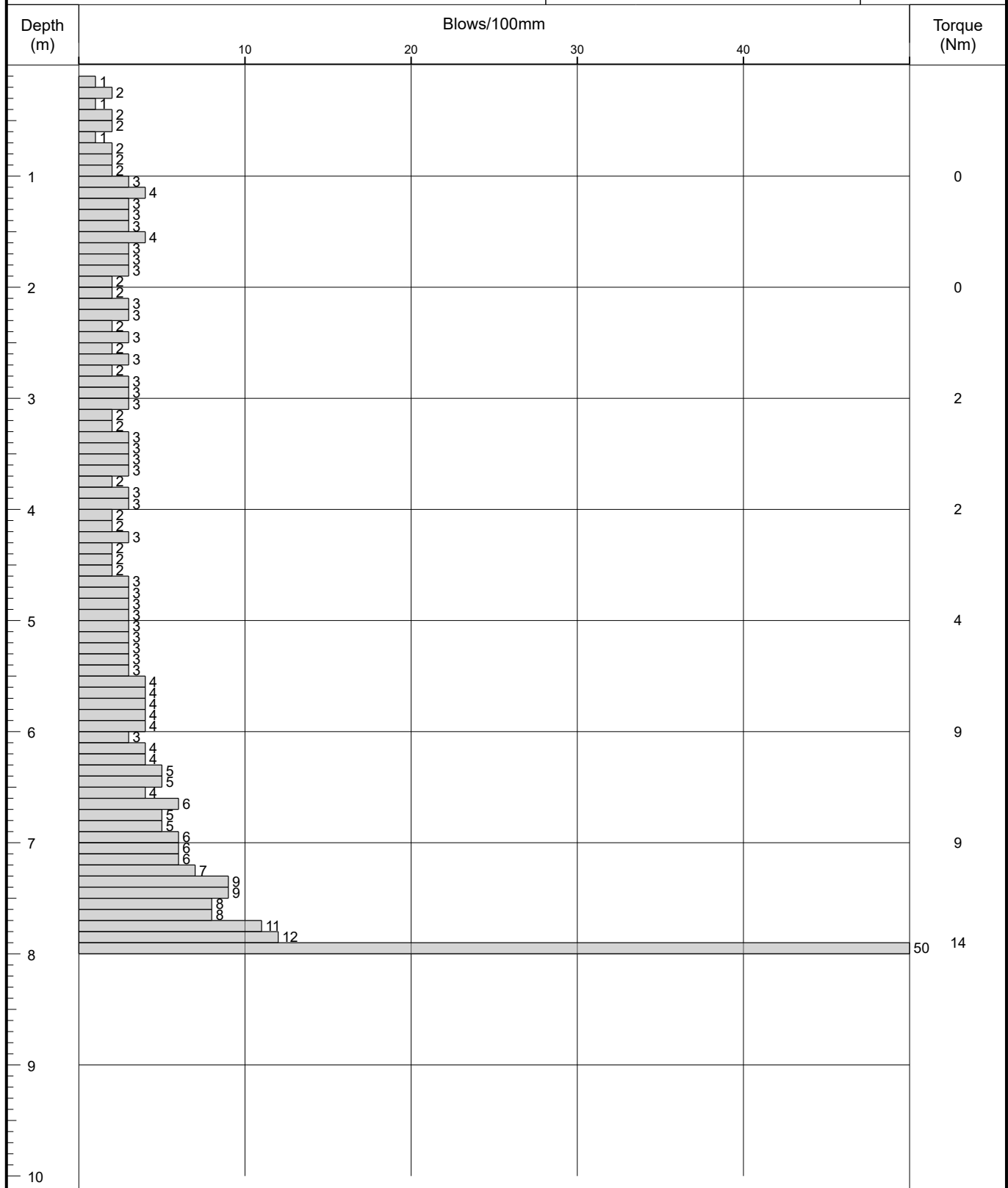
Level: 67.25

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

50 Blows for 50mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 7.90

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP10

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468227.93 - 112306.31

Hole Type
DP

Location: Lovedean

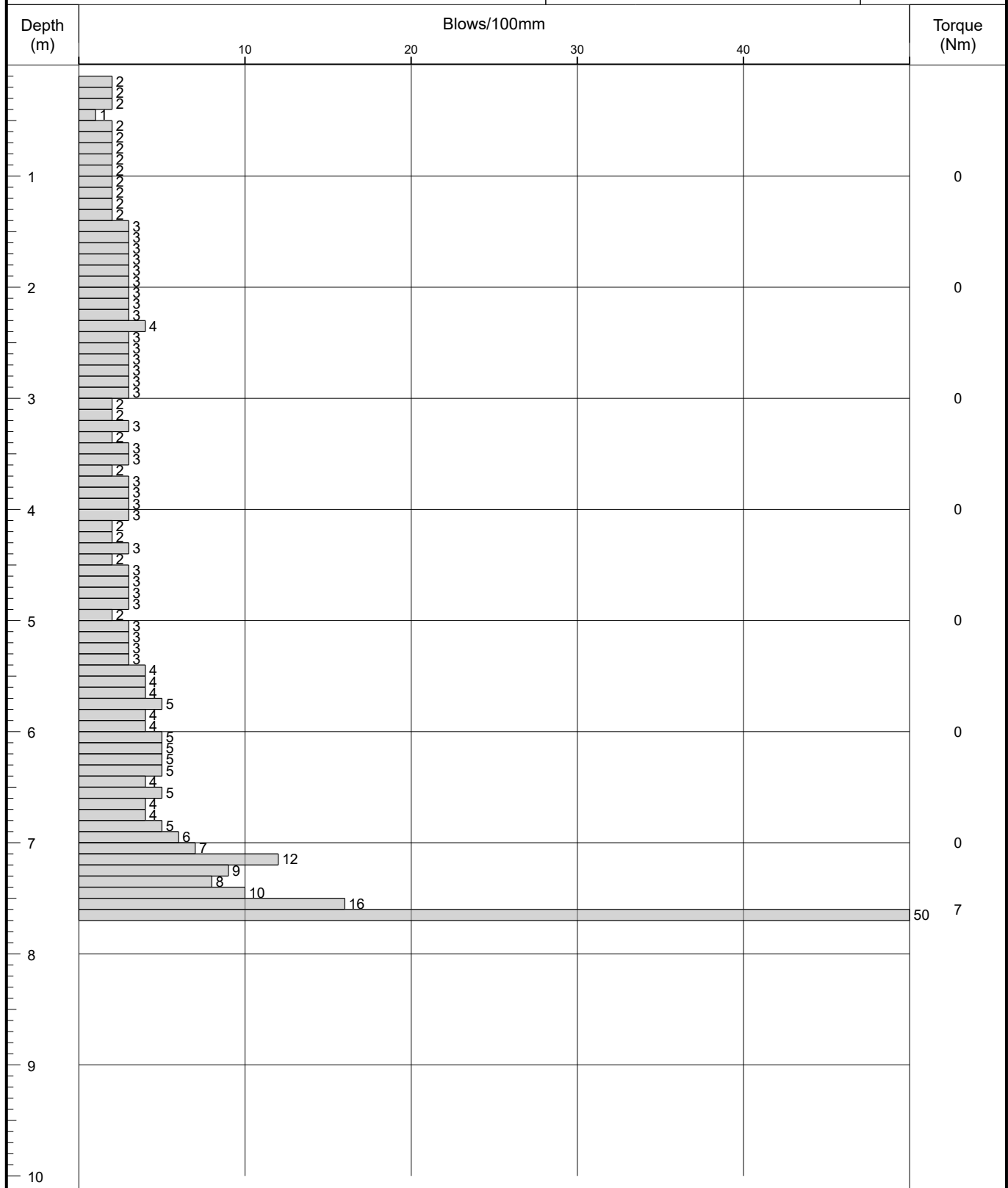
Level: 70.00

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

50 Blows for 60mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 7.60

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP11

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468217.27 - 112283.15

Hole Type
DP

Location: Lovedean

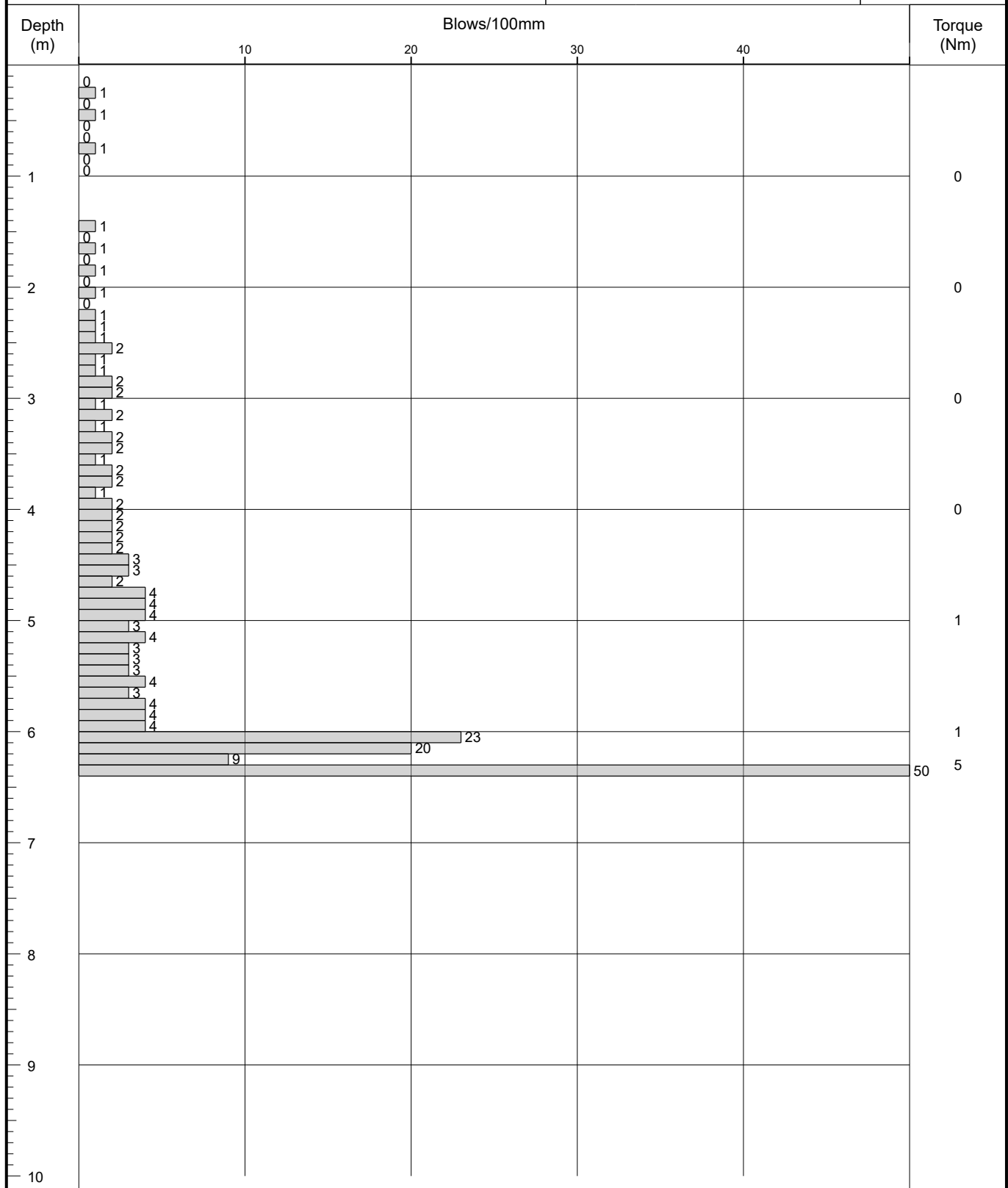
Level: 68.55

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

Probe settled under weight between 1m and 1.30m bgl. 50 Blows for 70mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 6.30

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP12

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468212.83 - 112267.30

Hole Type
DP

Location: Lovedean

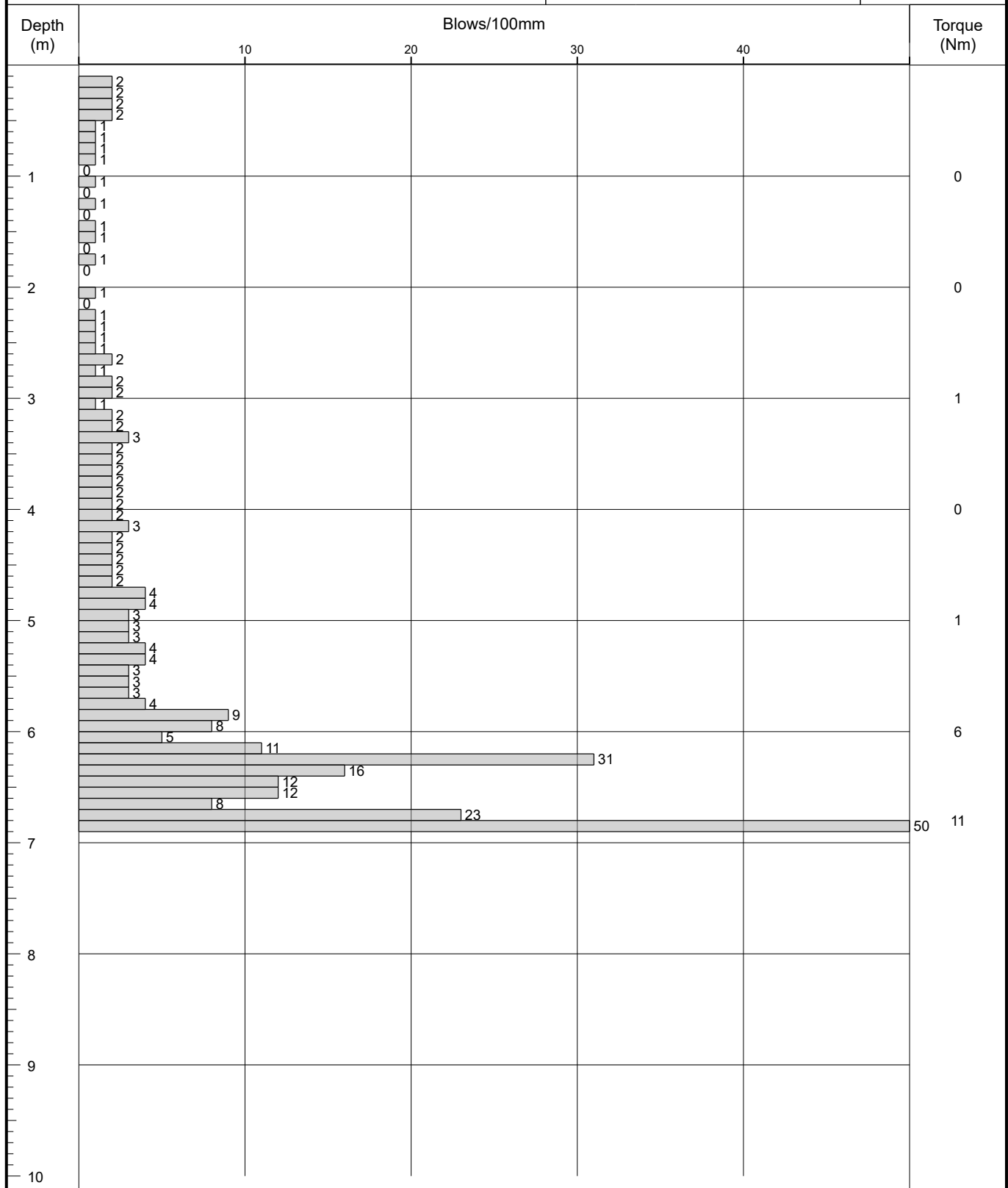
Level: 67.90

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

Probe settled under weight at 1.90m bgl. 50 Blows for 10mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 6.80

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP13

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468197.08 - 112234.95

Hole Type
DP

Location: Lovedean

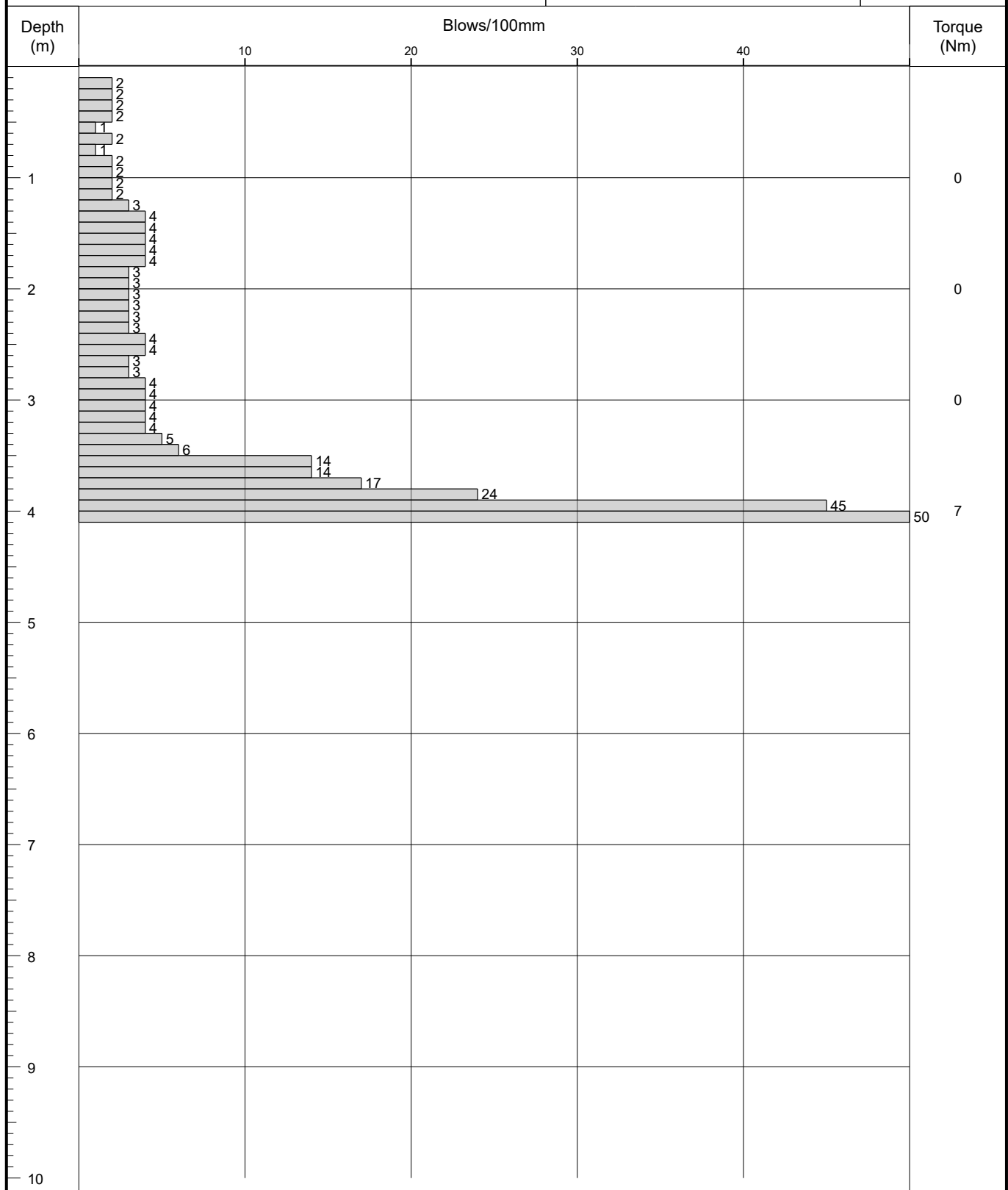
Level: 65.40

Scale
1:50

Client: Grainger plc

Dates: 28/09/2023 -

Logged By



Remarks

50 Blows for 20mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 4.00

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP14

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468190.70 - 112190.82

Hole Type
DP

Location: Lovedean

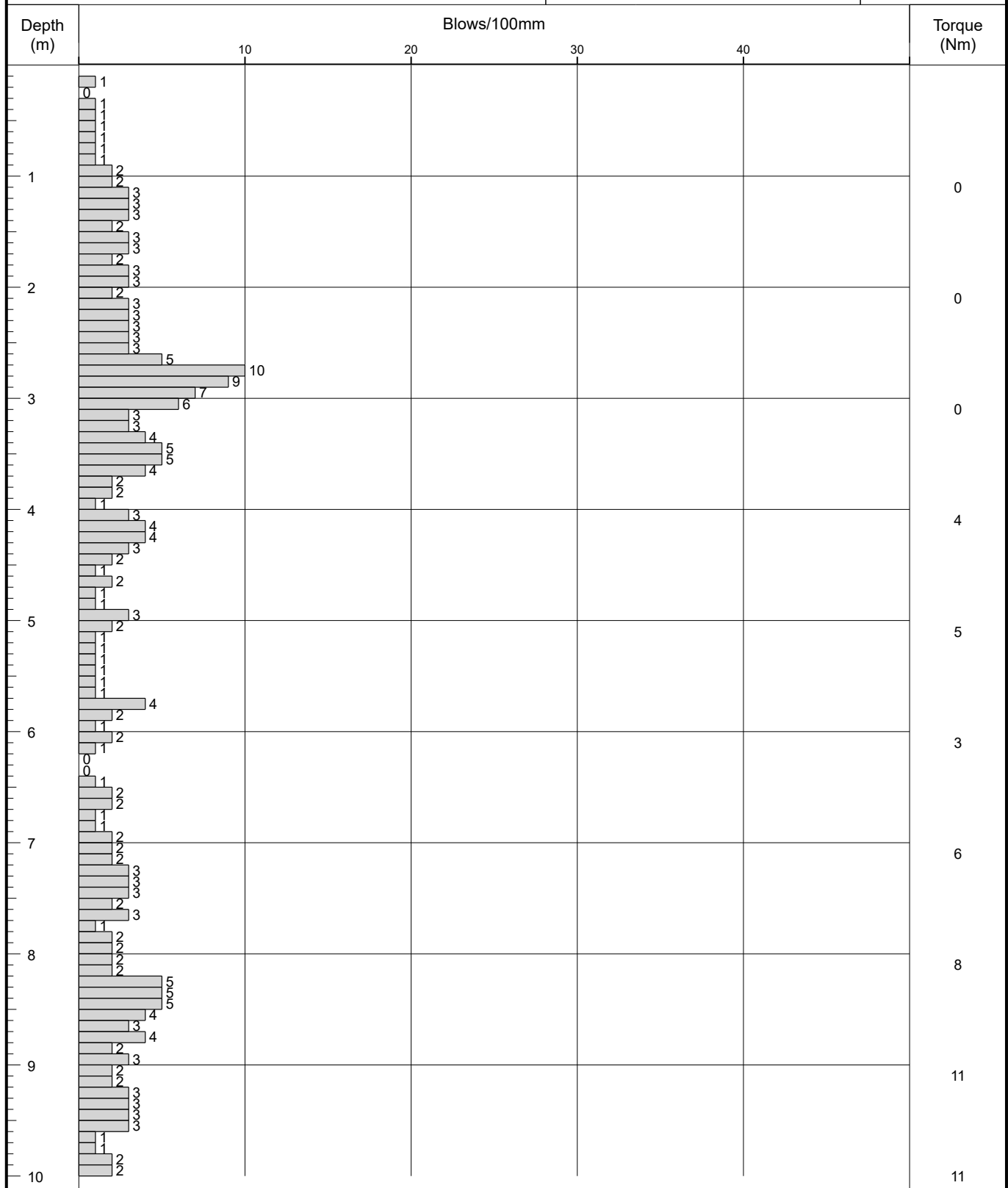
Level: 61.95

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 10.00

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP14

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468190.70 - 112190.82

Hole Type
DP

Location: Lovedean

Level: 61.95

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
2					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Borehole No.

DP15

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468177.15 - 112183.86

Hole Type
DP

Location: Lovedean

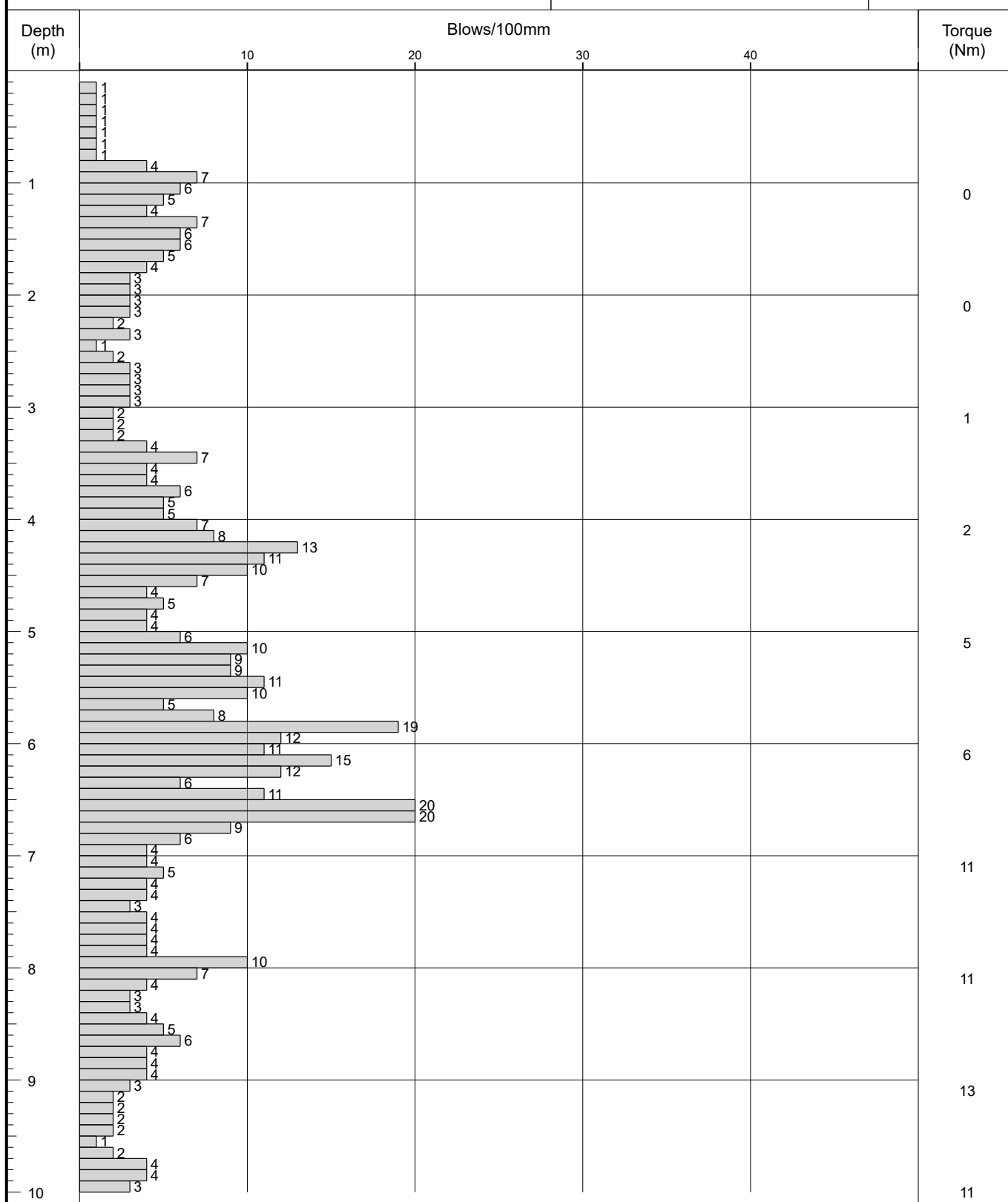
Level:	63.00
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Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth	10.00
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Probe Type	DPSH
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Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP15

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468177.15 - 112183.86

Hole Type
DP

Location: Lovedean

Level: 63.00

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
3						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Geo-Environmental

Probe Log

Borehole No.

DP16

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468202.97 - 112177.53

Hole Type
DP

Location: Lovedean

Level: 64.00

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
1	1 2 2 1 2 2 2 2 2 3 2				0
2	1 2 2 3 2 2 3 2 3 2 2 2 1 2 3 4 4 6 8 6 6 9 10 8 7 8 7 8				0
3					0
4				34	50 1
5					
6					
7					
8					
9					
10					

Remarks

50 Blows for 50mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 3.90

Log Scale 1:50





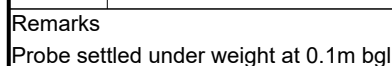
Borehole No.

Sheet 1 of 2

Hole Type
DP

Scale
1:50

Logged By



Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP17

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468182.28 - 112167.69

Hole Type
DP

Location: Lovedean

Level: 61.50

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
8					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Remarks

Probe settled under weight at 0.1m bgl

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 10.00

Log Scale 1:50





Borehole No.

DP18

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
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Co-ords: 468169.31 - 112169.97

Hole Type
DP

Location: Lovedean

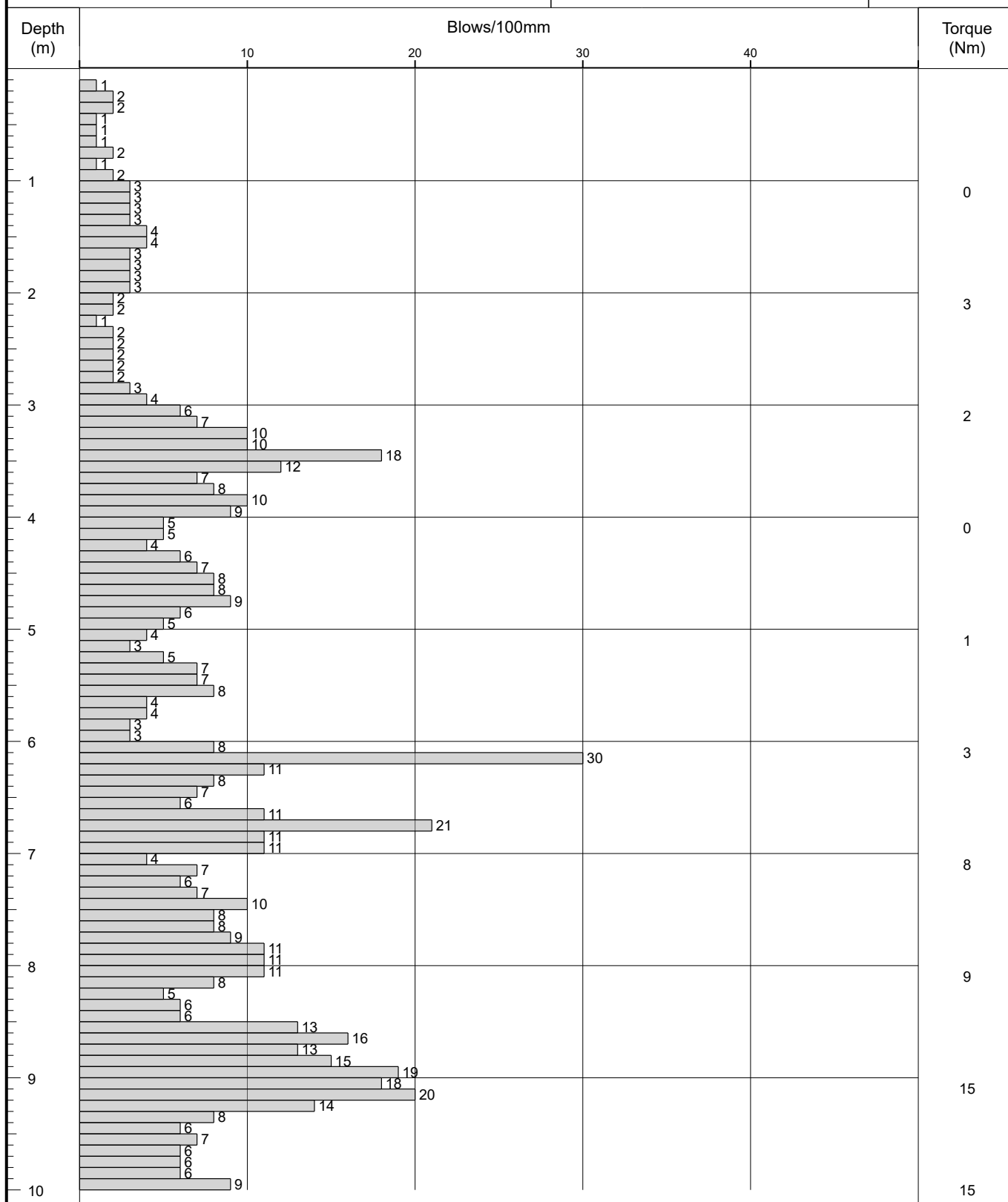
Level:	61.90
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Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth	10.00
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Probe Type	DPSH
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Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP18

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468169.31 - 112169.97

Hole Type
DP

Location: Lovedean

Level: 61.90

Scale
1:50

Client: Grainger plc

Dates: 27/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
	10				
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Geo-Environmental

Probe Log

Borehole No.

DP19

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468191.69 - 112303.28

Hole Type
DP

Location: Lovedean

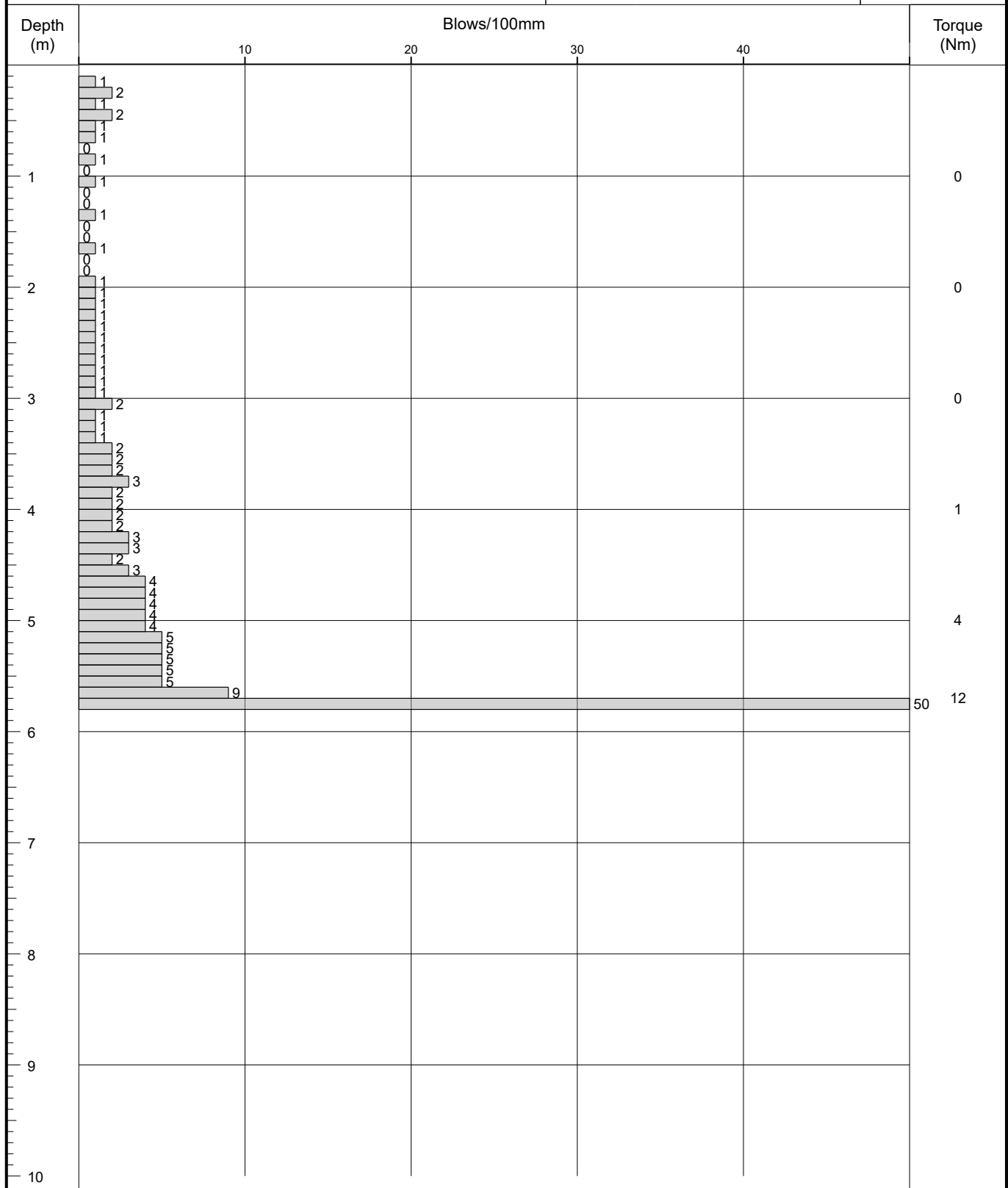
Level: 69.90

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 10mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 5.70

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP20

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468179.25 - 112281.21

Hole Type
DP

Location: Lovedean

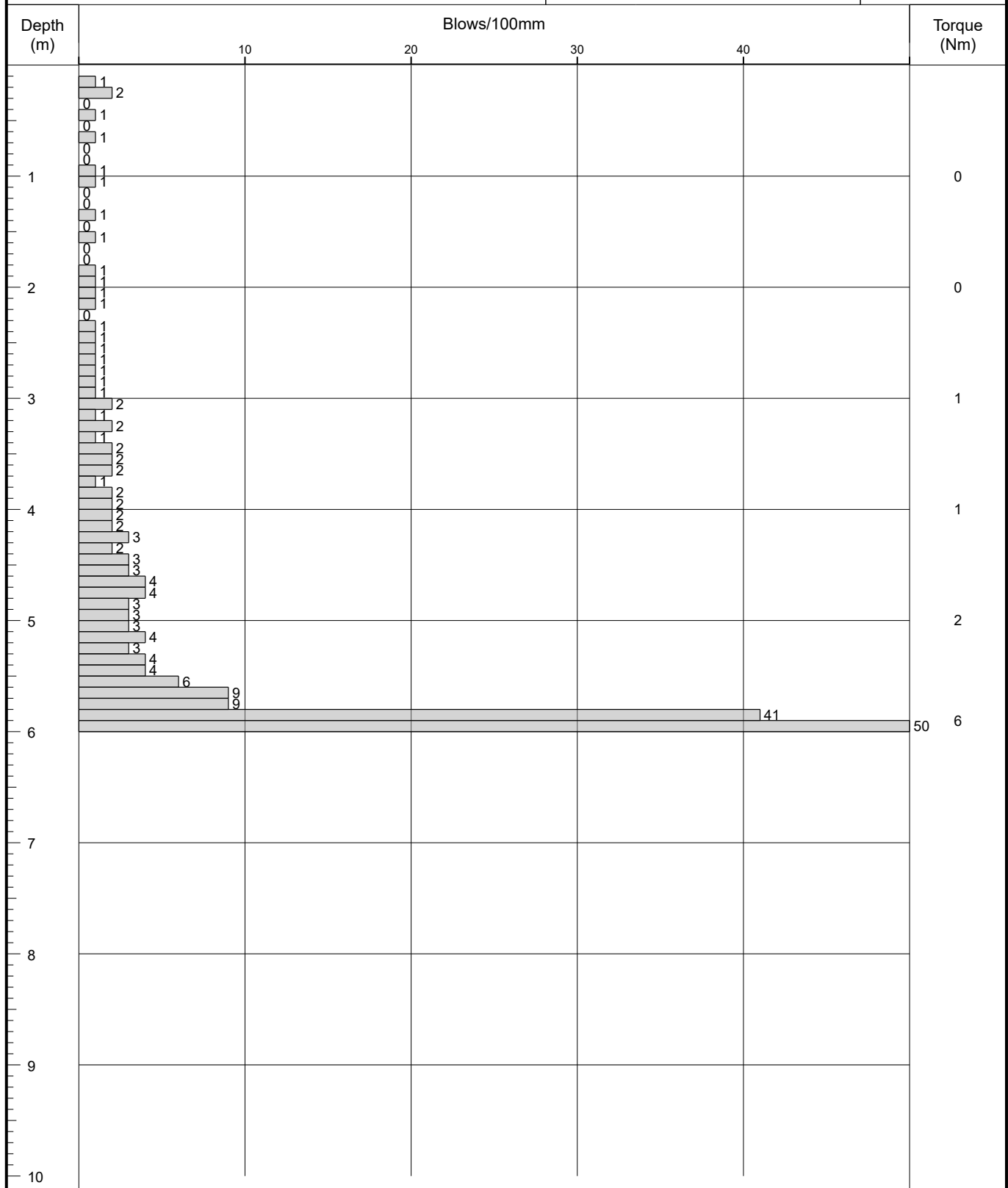
Level: 68.85

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 30mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 5.90

Log Scale 1:50





Borehole No.

DP21

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
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Co-ords: 468172.83 - 112271.89

Hole Type
DP

Location: Lovedean

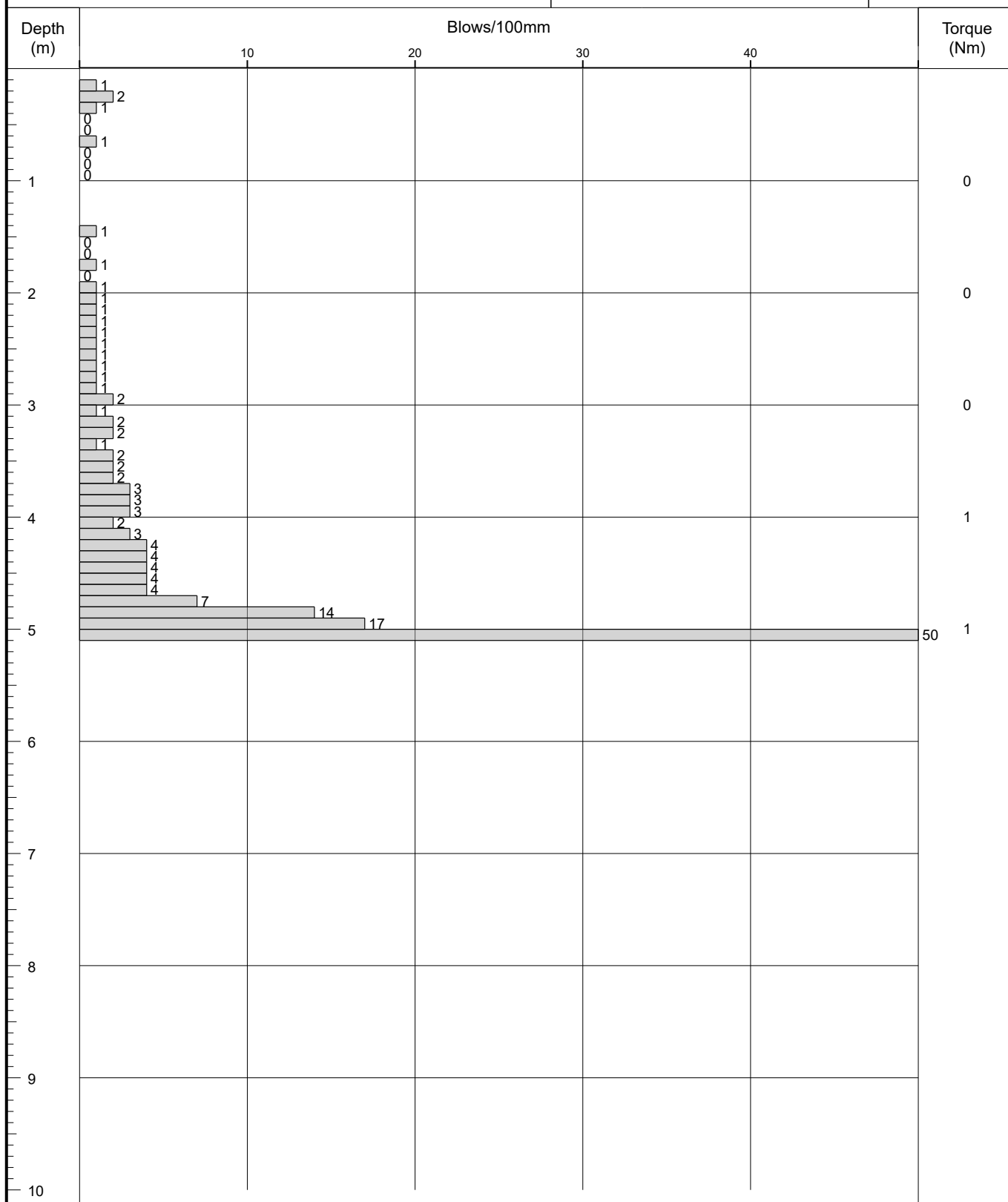
Level: 68.35

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

Probed settled under weight between 1m and 1.30m
bgl. 50 Blows for 70mm penetration.

Fall Height

	Hammer Wt
1	0.75
2	0.80
3	0.90
4	1.00
5	1.10
6	1.20
7	1.30
8	1.40
9	1.50
10	1.60
11	1.70
12	1.80
13	1.90
14	2.00
15	2.10
16	2.20
17	2.30
18	2.40
19	2.50
20	2.60
21	2.70
22	2.80
23	2.90
24	3.00
25	3.10
26	3.20
27	3.30
28	3.40
29	3.50
30	3.60
31	3.70
32	3.80
33	3.90
34	4.00
35	4.10
36	4.20
37	4.30
38	4.40
39	4.50
40	4.60
41	4.70
42	4.80
43	4.90
44	5.00
45	5.10
46	5.20
47	5.30
48	5.40
49	5.50
50	5.60
51	5.70
52	5.80
53	5.90
54	6.00
55	6.10
56	6.20
57	6.30
58	6.40
59	6.50
60	6.60
61	6.70
62	6.80
63	6.90
64	7.00
65	7.10
66	7.20
67	7.30
68	7.40
69	7.50
70	7.60
71	7.70
72	7.80
73	7.90
74	8.00
75	8.10
76	8.20
77	8.30
78	8.40
79	8.50
80	8.60
81	8.70
82	8.80
83	8.90
84	9.00
85	9.10
86	9.20
87	9.30
88	9.40
89	9.50
90	9.60
91	9.70
92	9.80
93	9.90
94	10.00
95	10.10
96	10.20
97	10.30
98	10.40
99	10.50
100	10.60
101	10.70
102	10.80
103	10.90
104	11.00
105	11.10
106	11.20
107	11.30
108	11.40
109	11.50
110	11.60
111	11.70
112	11.80
113	11.90
114	12.00
115	12.10
116	12.20
117	12.30
118	12.40
119	12.50
120	12.60
121	12.70
122	12.80
123	12.90
124	13.00
125	13.10
126	13.20
127	13.30
128	13.40
129	13.50
130	13.60
131	13.70
132	13.80
133	13.90
134	14.00
135	14.10
136	14.20
137	14.30
138	14.40
139	14.50
140	14.60
141	14.70
142	14.80
143	14.90
144	15.00
145	15.10
146	15.20
147	15.30
148	15.40
149	15.50
150	15.60
151	15.70
152	15.80
153	15.90
154	16.00
155	16.10
156	16.20
157	16.30
158	16.40
159	16.50
160	16.60
161	16.70
162	16.80
163	16.90
164	17.00
165	17.10
166	17.20
167	17.30
168	17.40
169	17.50
170	17.60
171	17.70
172	17.80
173	17.90
174	18.00
175	18.10
176	18.20
177	18.30
178	1

Probe Type	DPSH
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Cone Base Diameter

Final Depth	5.00
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Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP22

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468164.63 - 112259.33

Hole Type
DP

Location: Lovedean

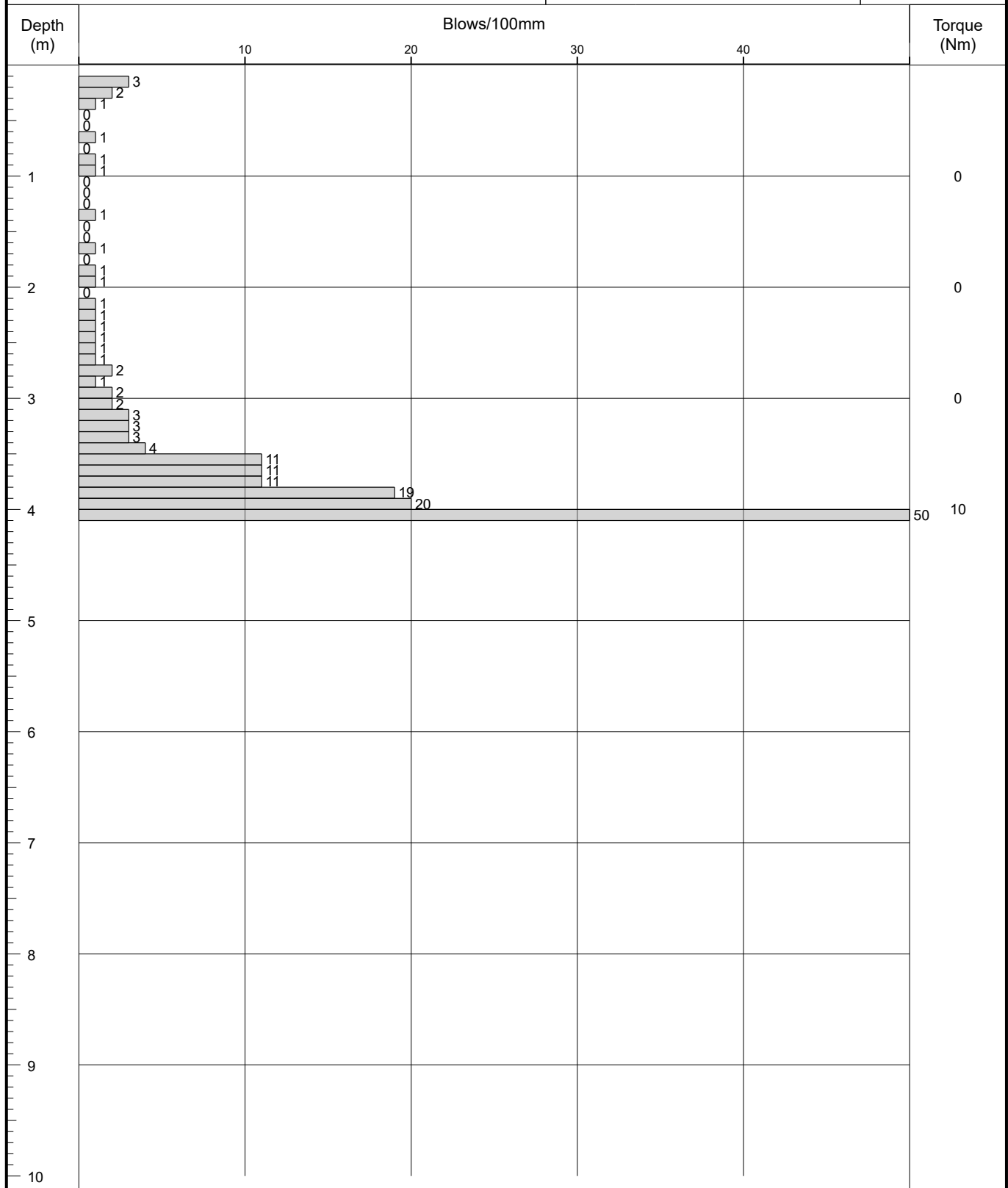
Level: 67.80

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 80mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 4.00

Log Scale 1:50





Borehole No.

DP23

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
-------------	---------

Co-ords: 468156.94 - 112234.42

Hole Type
DP

Location: Lovedean

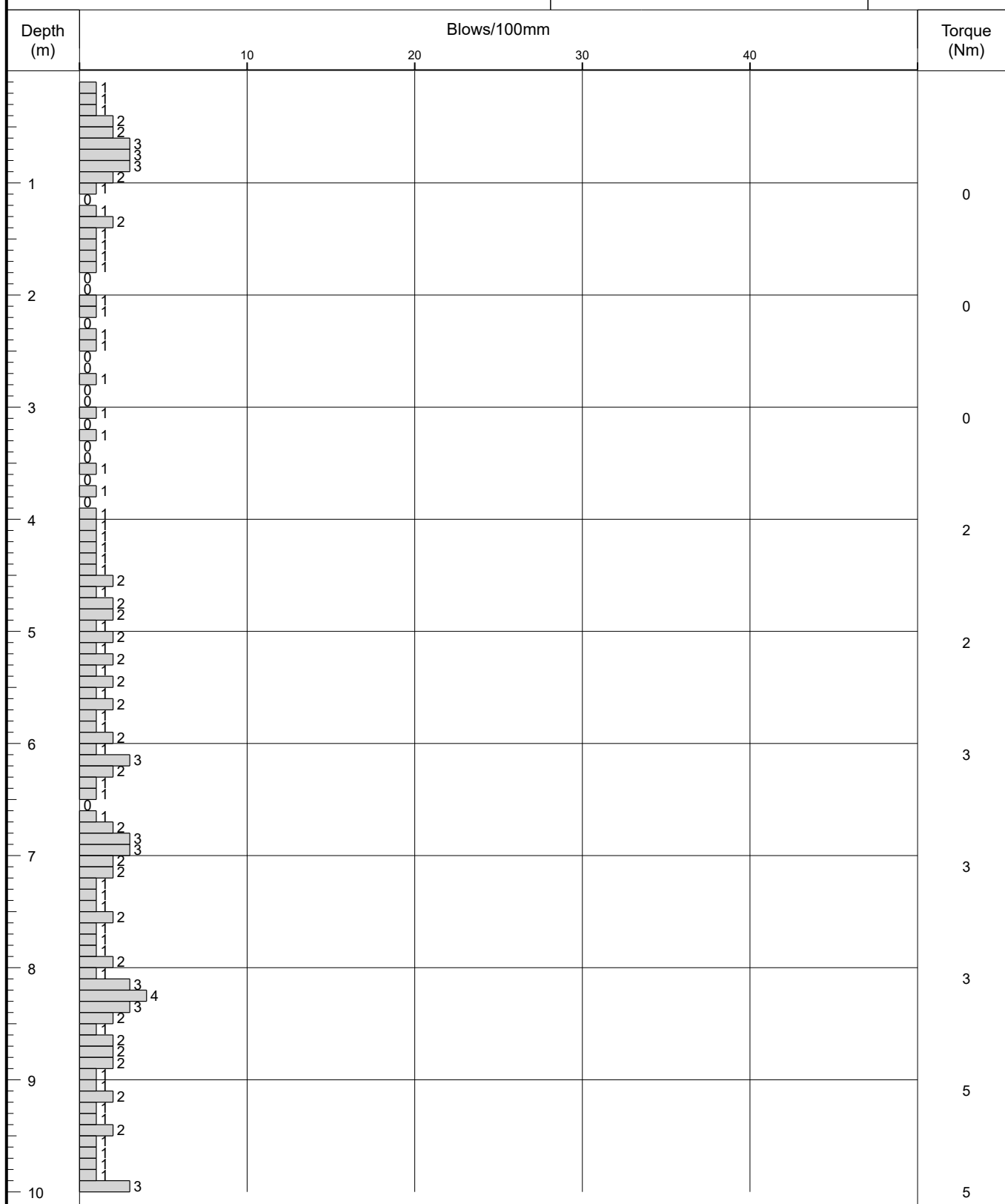
Level:	66.00
--------	-------

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

	Hammer Wt
1	0.75
2	0.85
3	0.95
4	1.05
5	1.15
6	1.25
7	1.35
8	1.45
9	1.55
10	1.65
11	1.75
12	1.85
13	1.95
14	2.05
15	2.15
16	2.25
17	2.35
18	2.45
19	2.55
20	2.65
21	2.75
22	2.85
23	2.95
24	3.05
25	3.15
26	3.25
27	3.35
28	3.45
29	3.55
30	3.65
31	3.75
32	3.85
33	3.95
34	4.05
35	4.15
36	4.25
37	4.35
38	4.45
39	4.55
40	4.65
41	4.75
42	4.85
43	4.95
44	5.05
45	5.15
46	5.25
47	5.35
48	5.45
49	5.55
50	5.65
51	5.75
52	5.85
53	5.95
54	6.05
55	6.15
56	6.25
57	6.35
58	6.45
59	6.55
60	6.65
61	6.75
62	6.85
63	6.95
64	7.05
65	7.15
66	7.25
67	7.35
68	7.45
69	7.55
70	7.65
71	7.75
72	7.85
73	7.95
74	8.05
75	8.15
76	8.25
77	8.35
78	8.45
79	8.55
80	8.65
81	8.75
82	8.85
83	8.95
84	9.05
85	9.15
86	9.25
87	9.35
88	9.45
89	9.55
90	9.65
91	9.75
92	9.85
93	9.95
94	10.05
95	10.15
96	10.25
97	10.35
98	10.45
99	10.55
100	10.65
101	10.75
102	10.85
103	10.95
104	11.05
105	11.15
106	11.25
107	11.35
108	11.45
109	11.55
110	11.65
111	11.75
112	11.85
113	11.95
114	12.05
115	12.15
116	12.25
117	12.35
118	12.45
119	12.55
120	12.65
121	12.75
122	12.85
123	12.95
124	13.05
125	13.15
126	13.25
127	13.35
128	13.45
129	13.55
130	13.65
131	13.75
132	13.85
133	13.95
134	14.05
135	14.15
136	14.25
137	14.35
138	14.45
139	14.55
140	14.65
141	14.75
142	14.85
143	14.95
144	15.05
145	15.15
146	15.25
147	15.35
148	15.45
149	15.55
150	15.65
151	15.75
152	15.85
153	15.95
154	16.05
155	16.15
156	16.25
157	16.35
158	16.45
159	16.55
160	16.65
161	16.75
162	16.85
163	16.95
164	17.05
165	17.15
166	17.25
167	17.35
168	17.45
169	17.55
170	17.65
171	17.75
172	17.85
173	17.95
174	18.05
175	18.15
176	18.25
177	18.35
178	1

Final Depth	10.00
-------------	-------

Probe Type	DPSH
------------	------

Log Scale	1:50
-----------	------





Geo-Environmental

Probe Log

Borehole No.

DP23

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468156.94 - 112234.42

Hole Type
DP

Location: Lovedean

Level: 66.00

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
10	4					
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Borehole No.

DP24

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
-------------	---------

Co-ords: 468138.92 - 112224.85

Hole Type
DP

Location: Lovedean

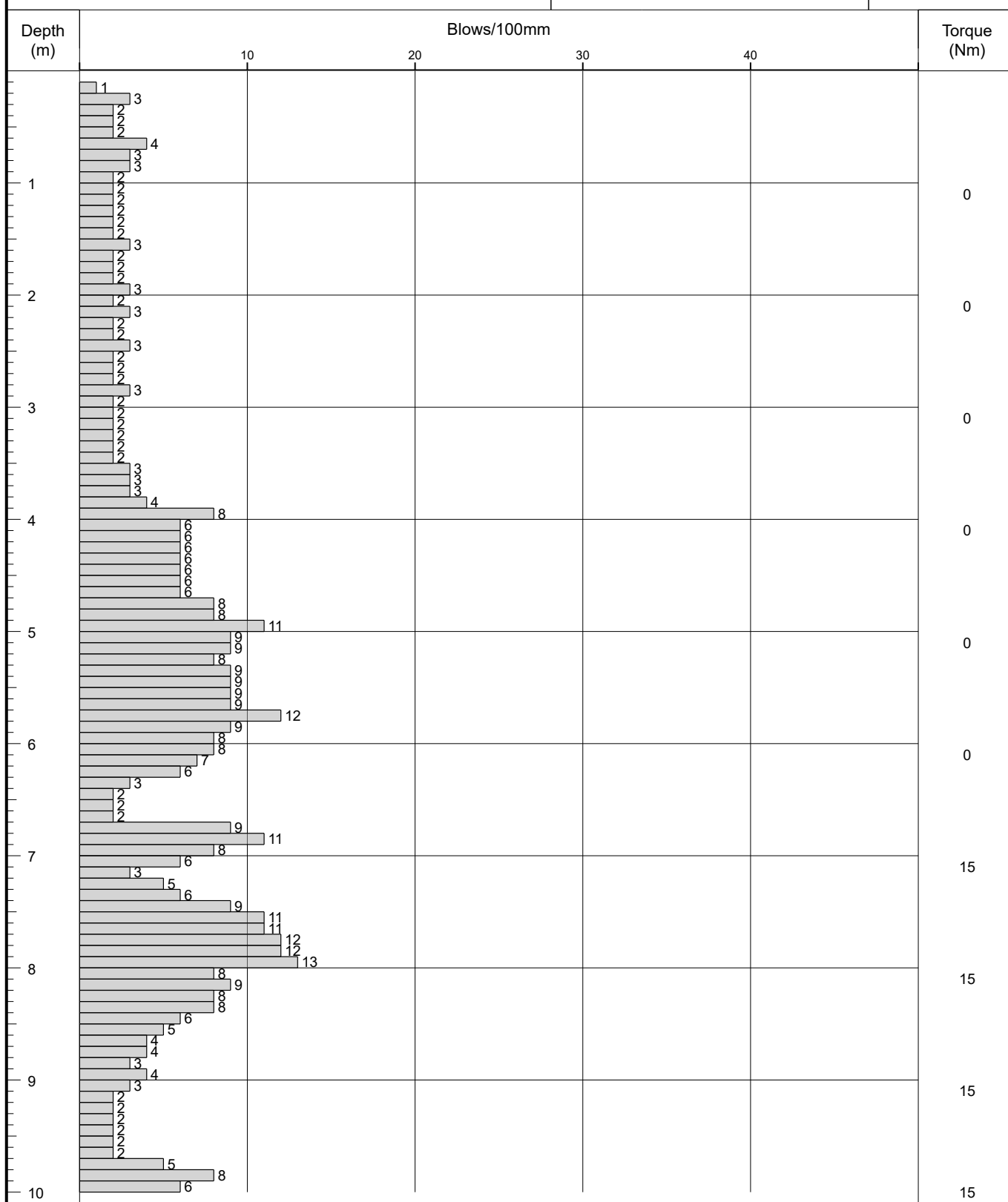
Level: 65.88

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth	10.00
-------------	-------

Probe Type	DPSH
------------	------

Log Scale	1:50
-----------	------





Geo-Environmental

Probe Log

Borehole No.

DP24

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468138.92 - 112224.85

Hole Type
DP

Location: Lovedean

Level: 65.88

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
5						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Geo-Environmental

Probe Log

Borehole No.

DP25

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468147.64 - 112214.28

Hole Type
DP

Location: Lovedean

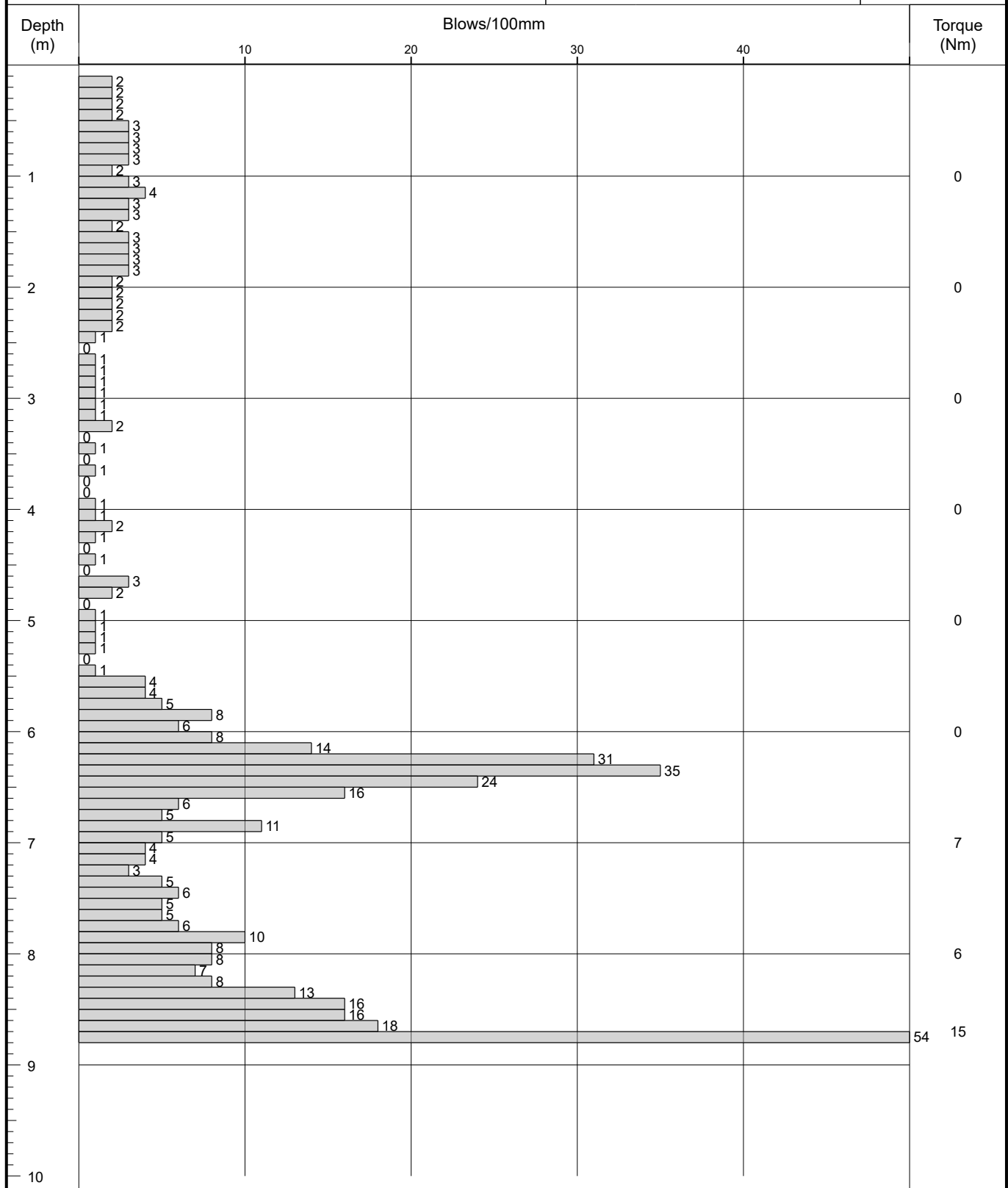
Level: 64.95

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 8.70

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP26

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468134.43 - 112202.32

Hole Type
DP

Location: Lovedean

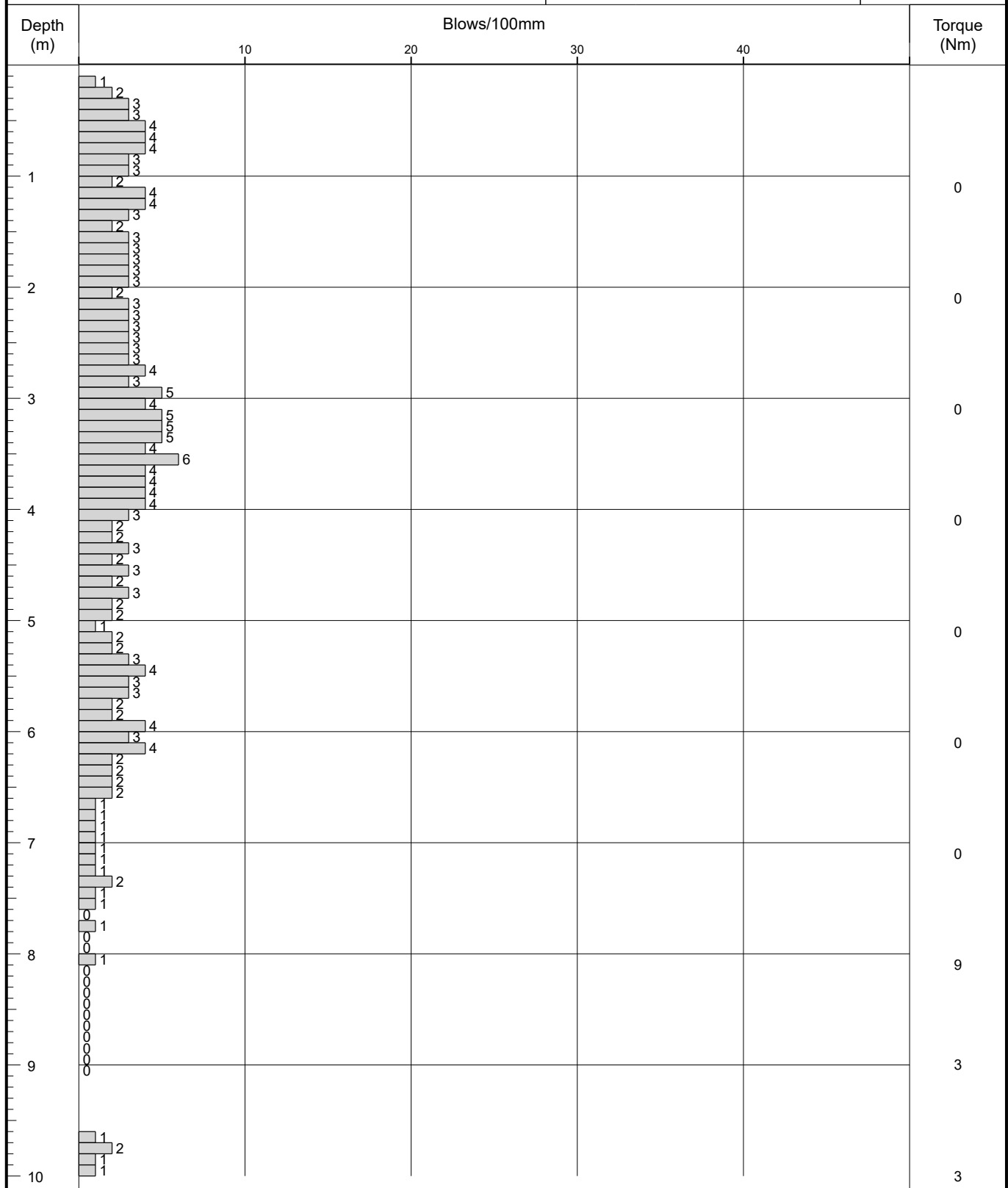
Level: 63.05

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Probe settled under weight between 9.10m and 9.50m bgl.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 10.00

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP26

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468134.43 - 112202.32

Hole Type
DP

Location: Lovedean

Level: 63.05

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
1						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks

Probe settled under weight between 9.10m and 9.50m bgl.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 10.00

Log Scale 1:50

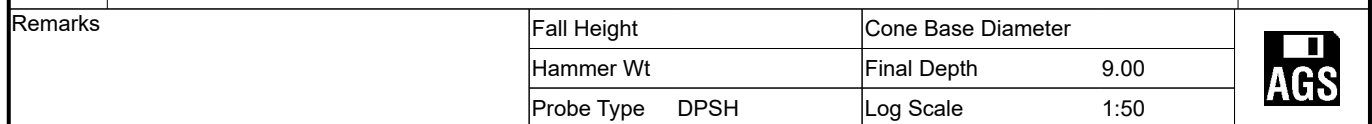




Borehole No.

Sheet 1 of 1

Logged By





Borehole No.

DP28

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
-------------	---------

Co-ords: 468150.55 - 112185.40

Hole Type
DP

Location: Lovedean

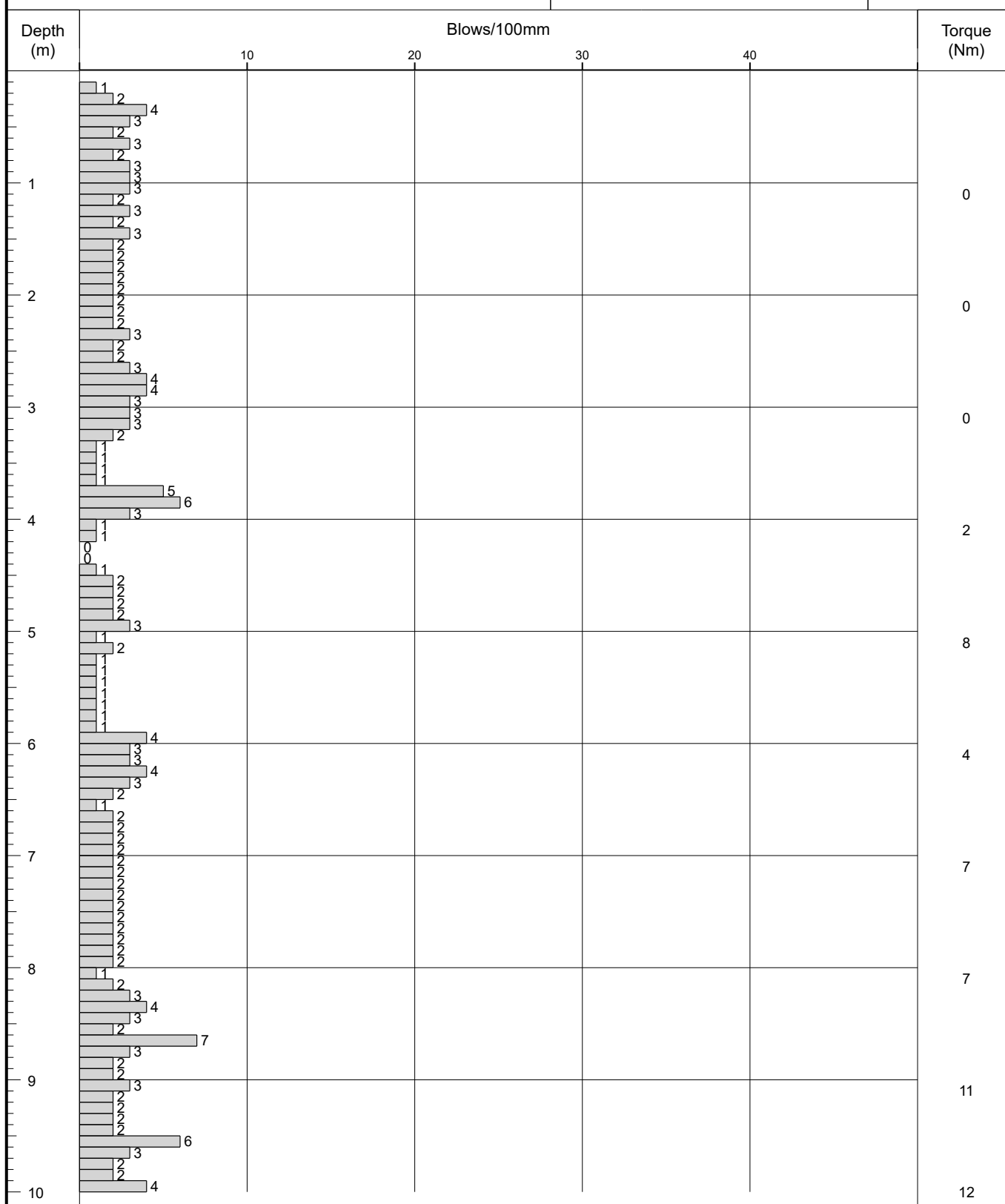
Level: 64.45

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth	10.00
-------------	-------

Probe Type	DPSH
------------	------

Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP28

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468150.55 - 112185.40

Hole Type
DP

Location: Lovedean

Level: 64.45

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
3						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Borehole No.

DP29

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
-------------	---------

Co-ords: 468121.24 - 112205.37

Hole Type
DP

Location: Lovedean

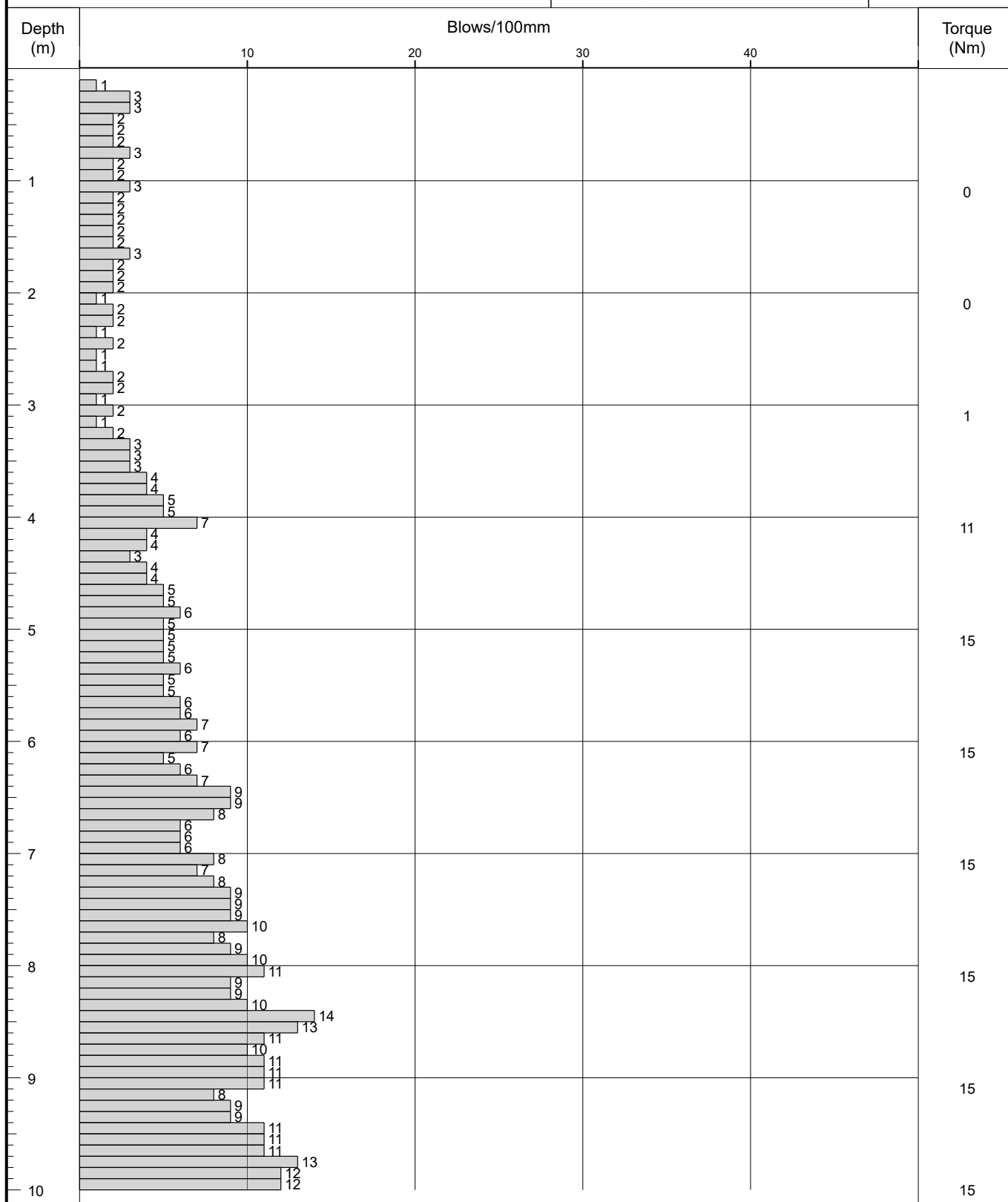
Level: 64.55

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth	10.00
-------------	-------

Probe Type	DPSH
------------	------

Log Scale	1:50
-----------	------





Geo-Environmental

Probe Log

Borehole No.

DP29

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468121.24 - 112205.37

Hole Type
DP

Location: Lovedean

Level: 64.55

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
	13				
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Geo-Environmental

Probe Log

Borehole No.

DP30

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468112.69 - 112208.38

Hole Type
DP

Location: Lovedean

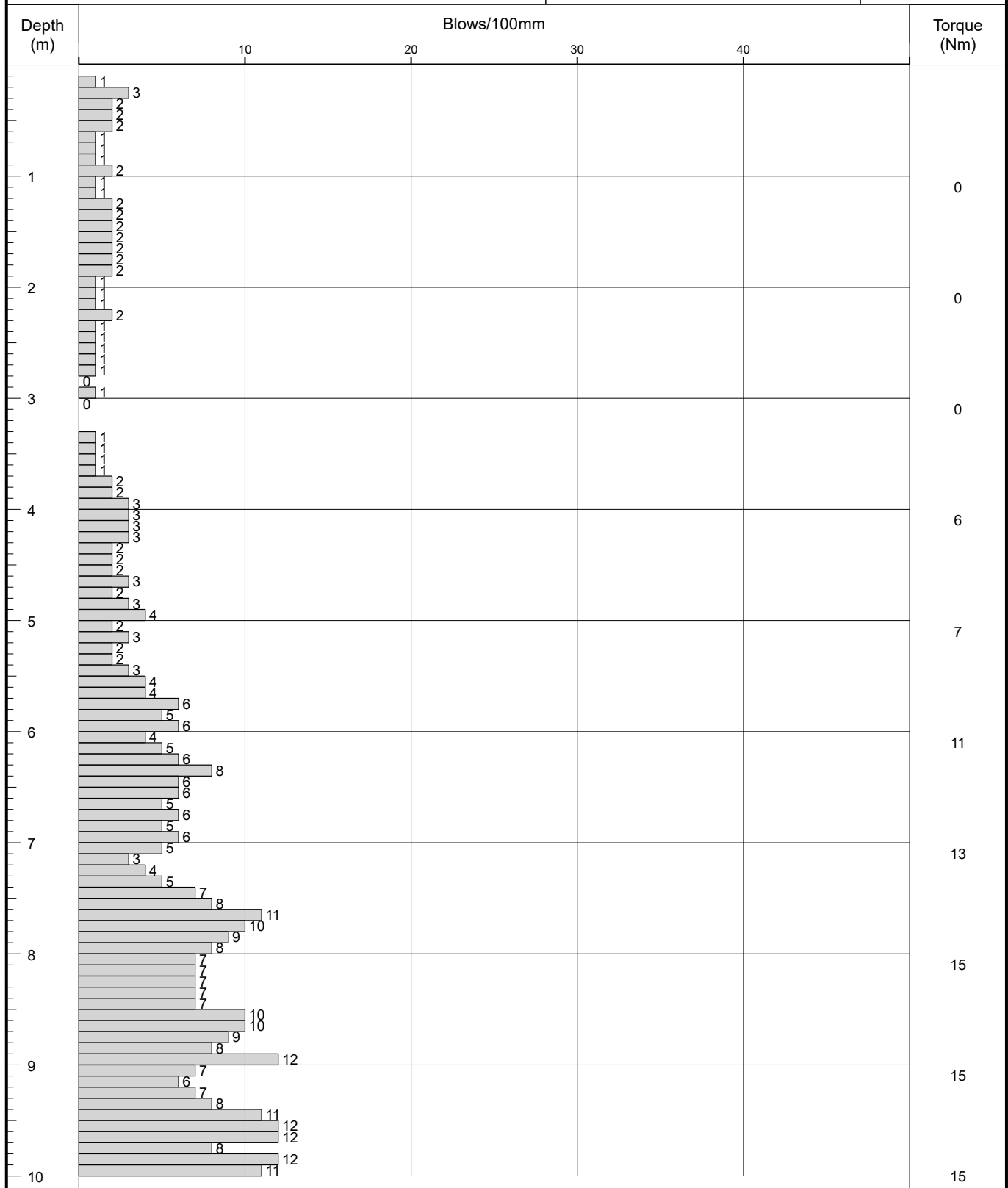
Level: 65.25

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Probe settled under weight between 3.10m and 3.20m bgl.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 10.00

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP30

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468112.69 - 112208.38

Hole Type
DP

Location: Lovedean

Level: 65.25

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
10	12				
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Remarks

Probe settled under weight between 3.10m and 3.20m bgl.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 10.00

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP31

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468034.87 - 112211.69

Hole Type
DP

Location: Lovedean

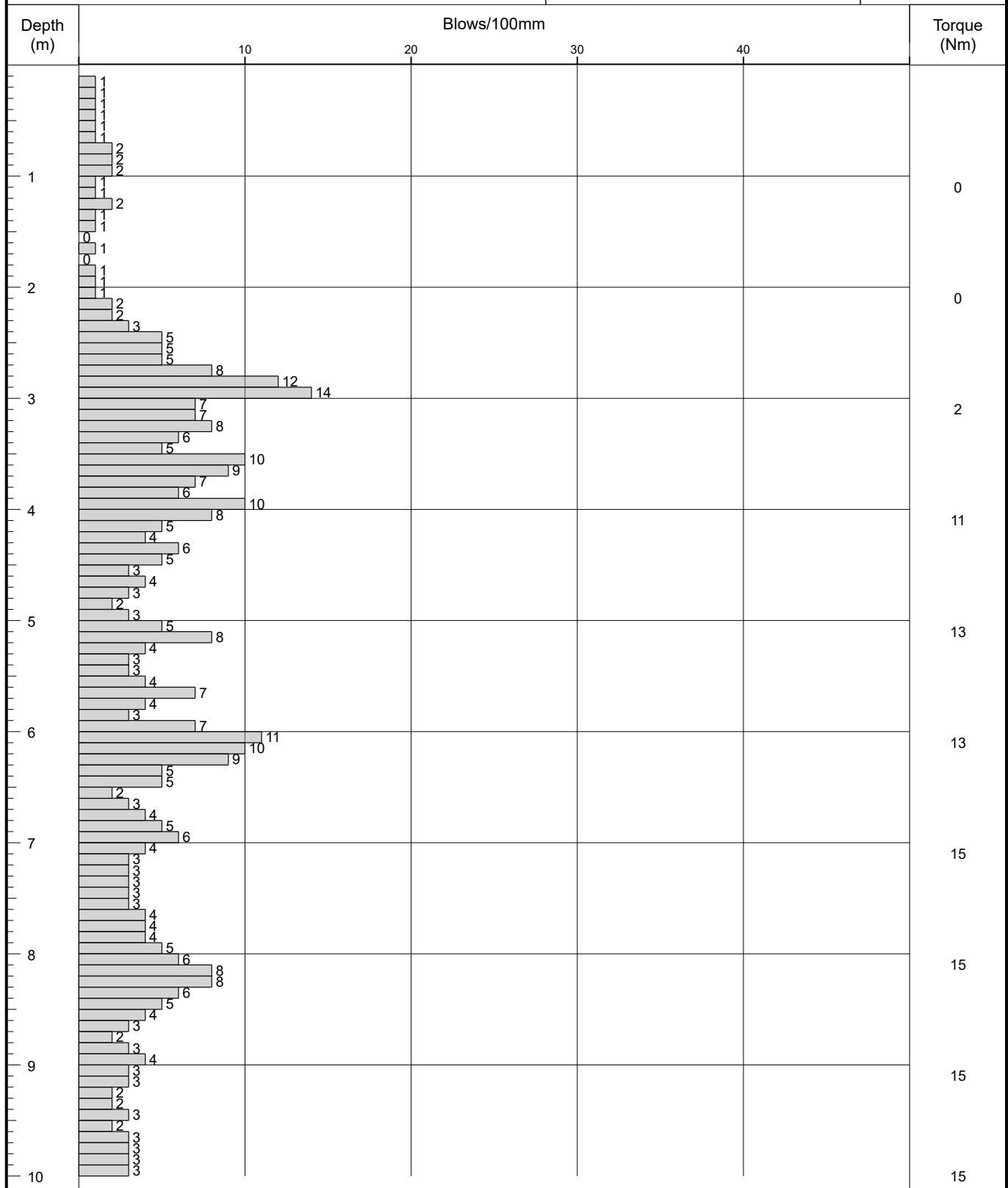
Level: 64.25

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 10.00

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP31

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468034.87 - 112211.69

Hole Type
DP

Location: Lovedean

Level: 64.25

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
3						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50





Geo-Environmental

Probe Log

Borehole No.

DP32

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468037.96 - 112228.20

Hole Type
DP

Location: Lovedean

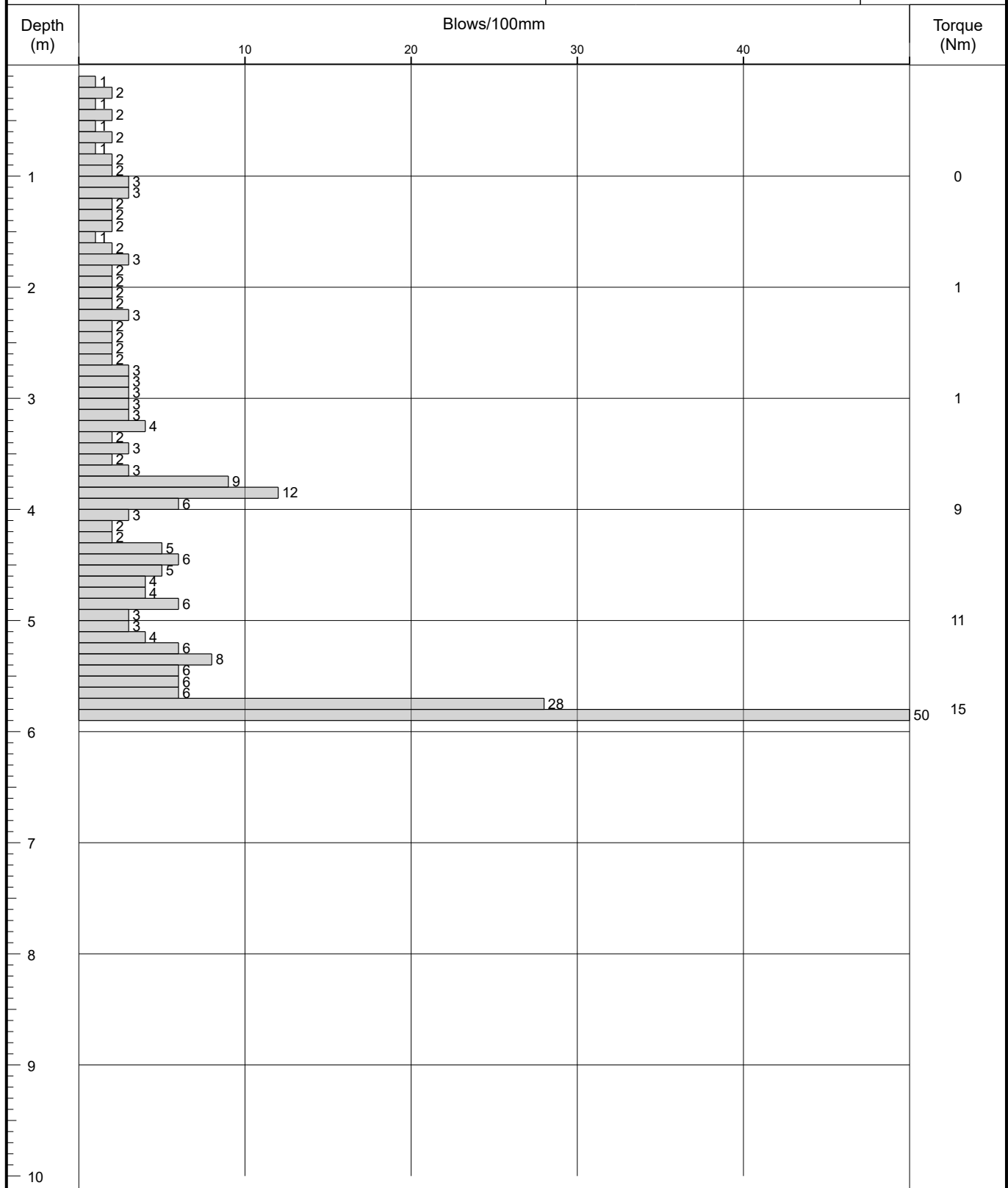
Level: 65.25

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By



Remarks

50 Blows for 80mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 5.80

Log Scale 1:50





Borehole No.

DP33

Sheet 1 of 2

Project Name: Woodcroft Farm Phase 3

Project No.	GE20772
-------------	---------

Co-ords: 468022.43 - 112221.76

Hole Type
DP

Location: Lovedean

Level:	64.25
--------	-------

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm	Torque (Nm)
1	0	0
2	0	0
3	1	1
4	5	5
5	7	7
6	9	9
7	12	12
8	10	10
9	13	13
10	15	15

Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth	10.00
-------------	-------

Probe Type	DPSH
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Log Scale	1:50
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Geo-Environmental

Probe Log

Borehole No.

DP33

Sheet 2 of 2

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 468022.43 - 112221.76

Hole Type
DP

Location: Lovedean

Level: 64.25

Scale
1:50

Client: Grainger plc

Dates: 25/09/2023 -

Logged By

Depth (m)	Blows/100mm					Torque (Nm)
	10	20	30	40		
	4					
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Remarks	Fall Height	Cone Base Diameter	
	Hammer Wt	Final Depth	10.00
	Probe Type DPSH	Log Scale	1:50



Geo-Environmental

Probe Log

Borehole No.

DP34

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467981.16 - 112349.80

Hole Type
DP

Location: Lovedean

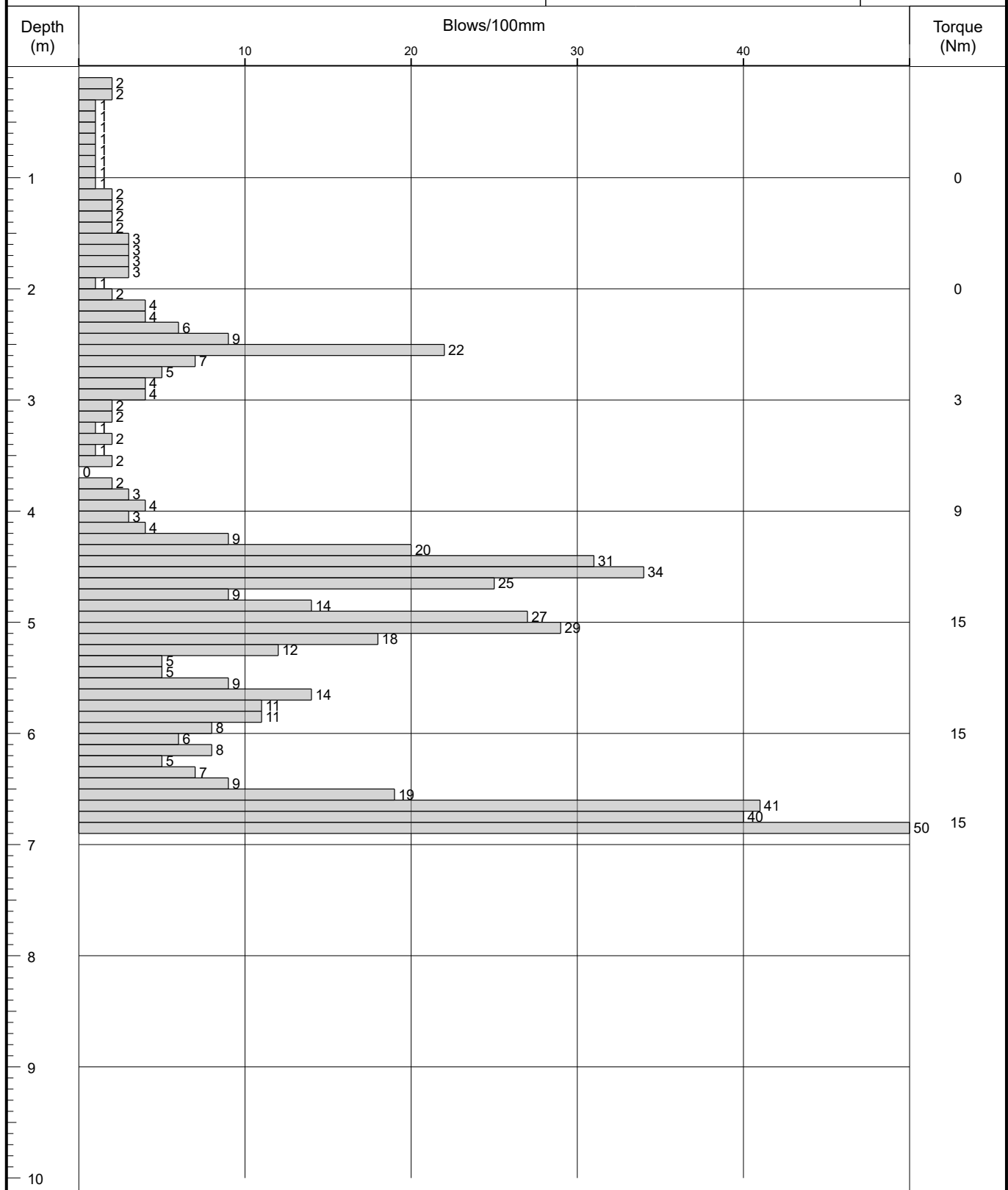
Level: 67.25

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 50mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 6.80

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP35

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467986.55 - 112679.86

Hole Type
DP

Location: Lovedean

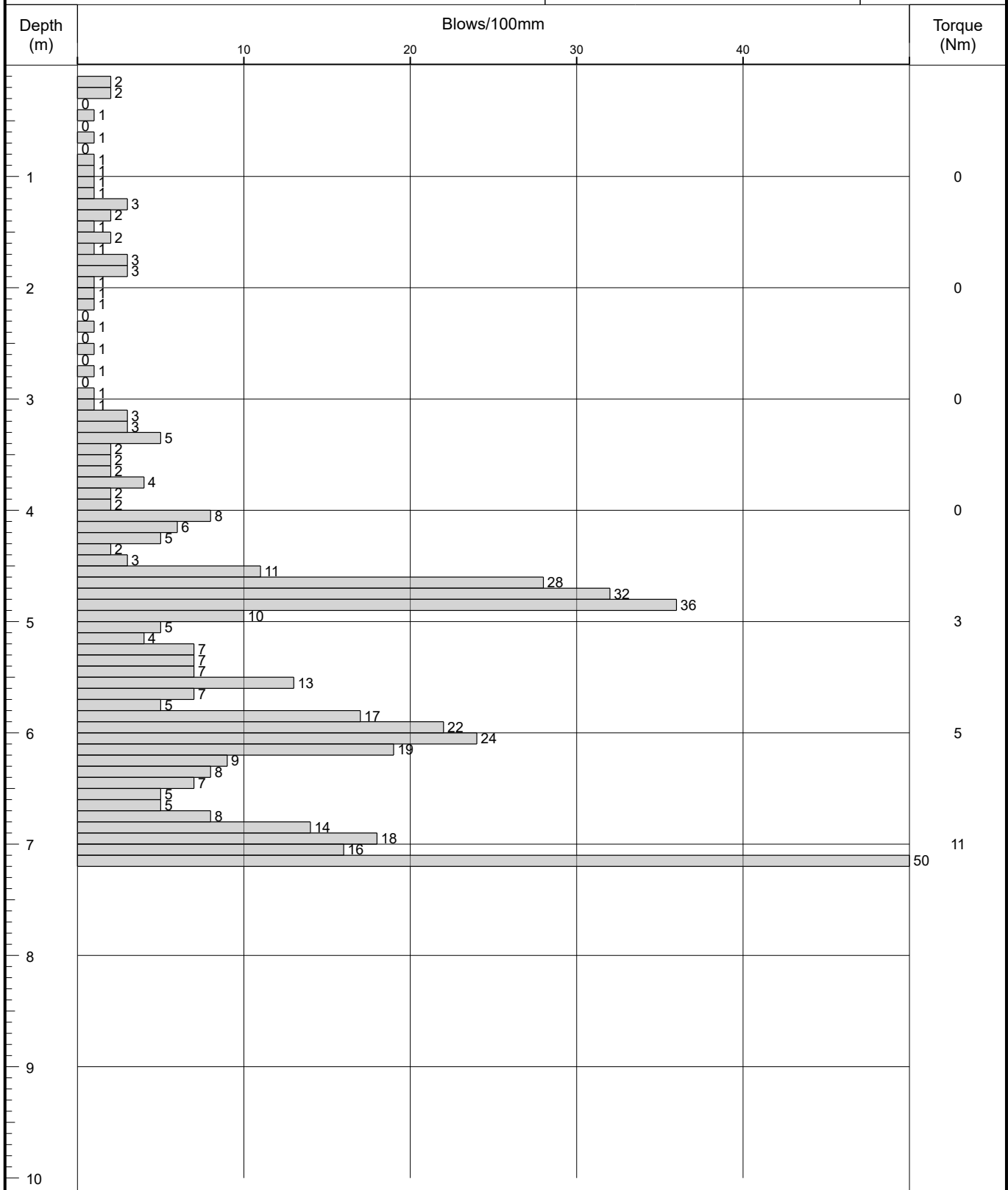
Level: 68.00

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 80mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 7.10

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP36

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467997.20 - 112339.11

Hole Type
DP

Location: Lovedean

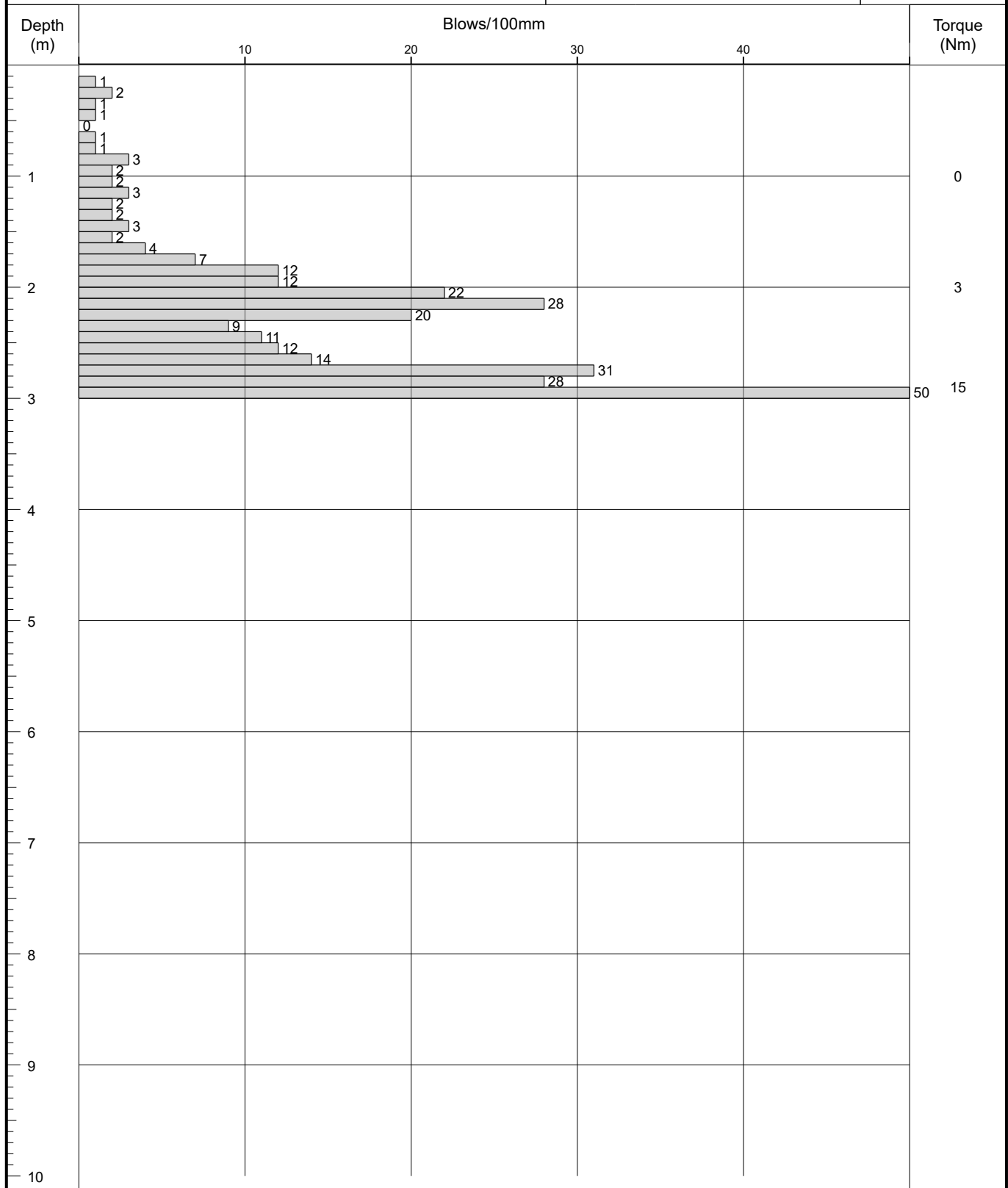
Level: 68.00

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 60mm penetration

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 2.90

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP37

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467999.39 - 112316.33

Hole Type
DP

Location: Lovedean

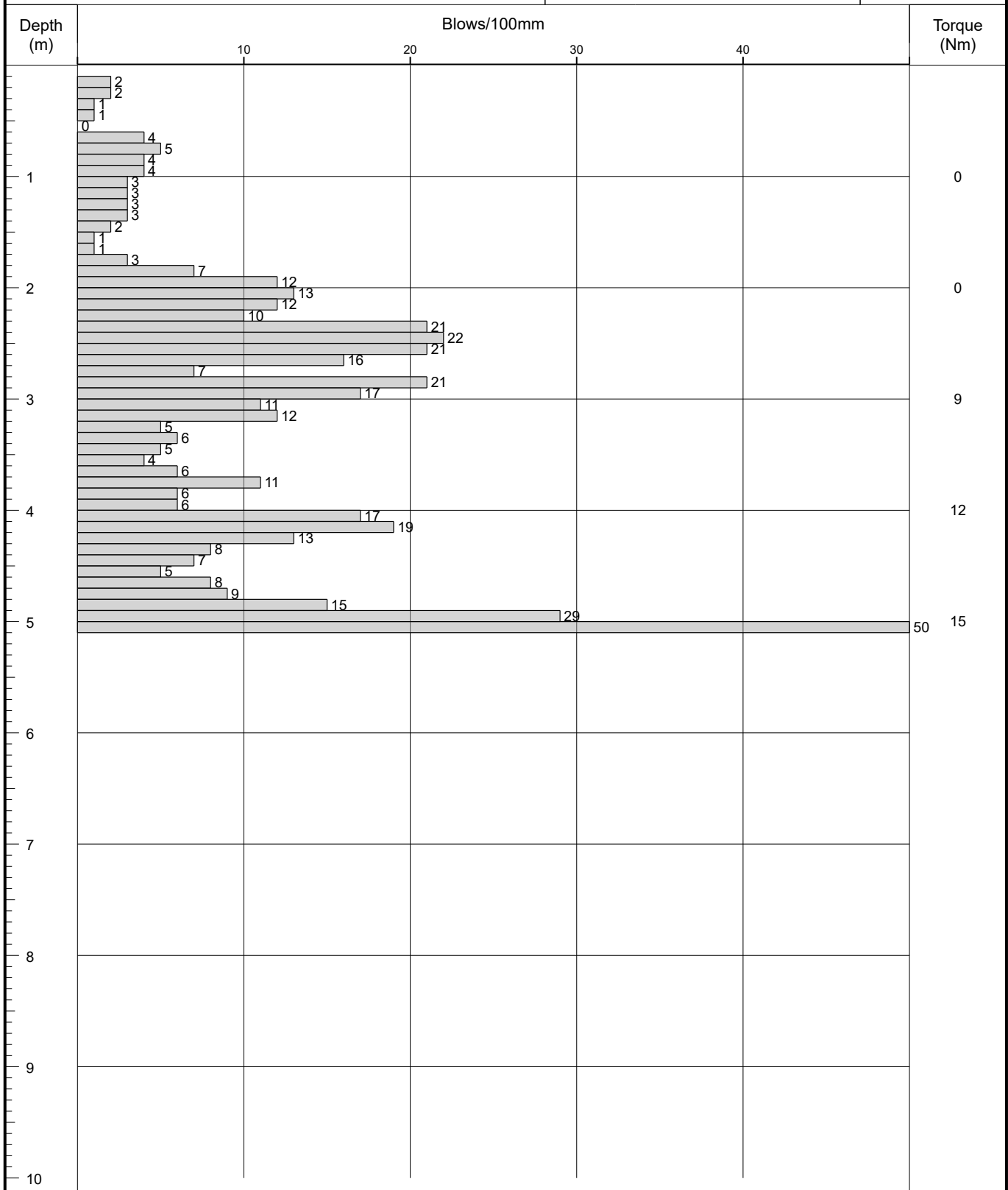
Level: 67.50

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 70mm penetration.

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 5.00

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP38

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467996.75 - 112309.07

Hole Type
DP

Location: Lovedean

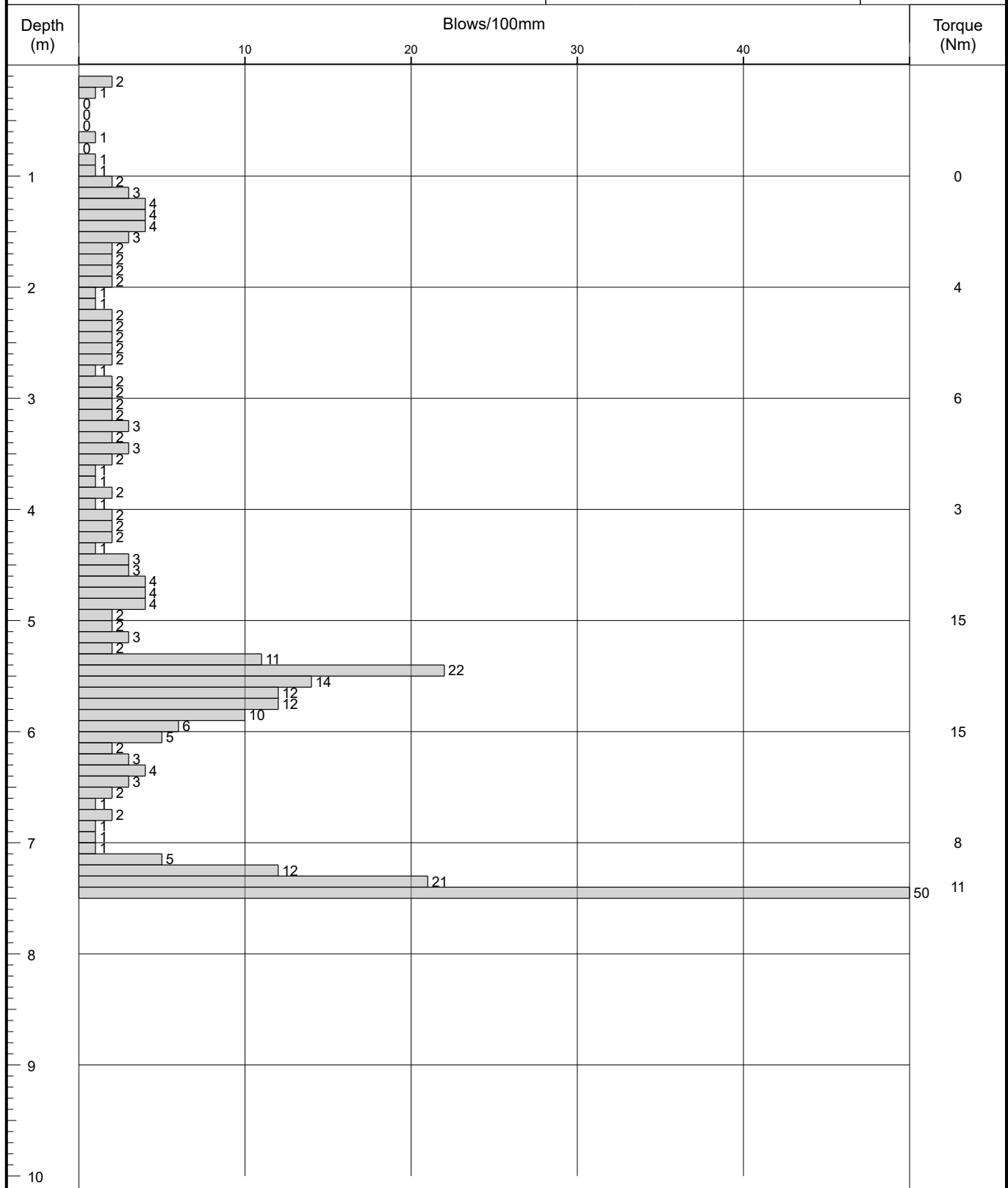
Level: 67.24

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 10mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 7.40

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP39

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467994.28 - 112320.49

Hole Type
DP

Location: Lovedean

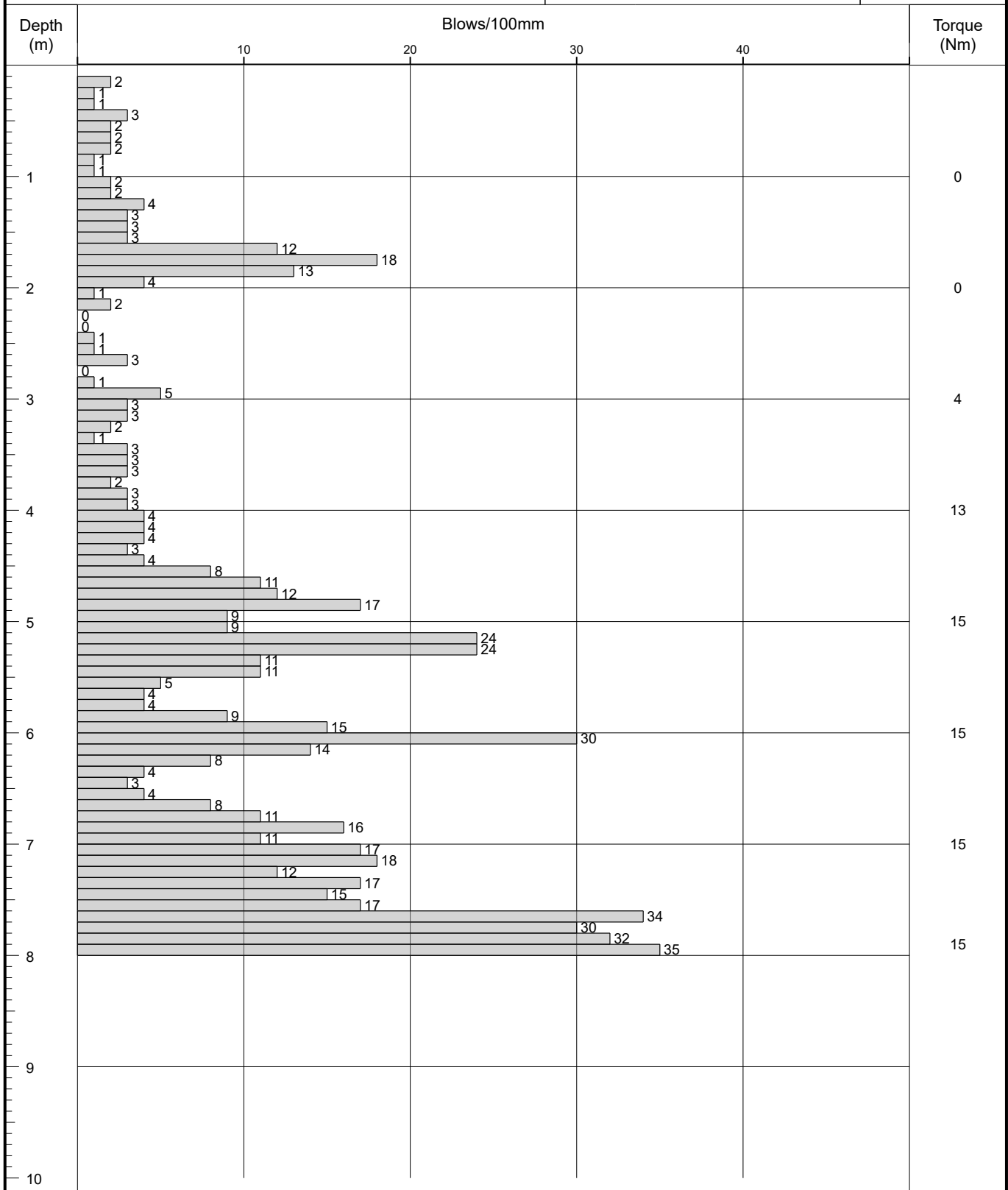
Level: 66.80

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 7.90

Probe Type DPSH

Log Scale 1:50





Geo-Environmental

Probe Log

Borehole No.

DP40

Sheet 1 of 1

Project Name: Woodcroft Farm Phase 3

Project No.
GE20772

Co-ords: 467973.89 - 112330.46

Hole Type
DP

Location: Lovedean

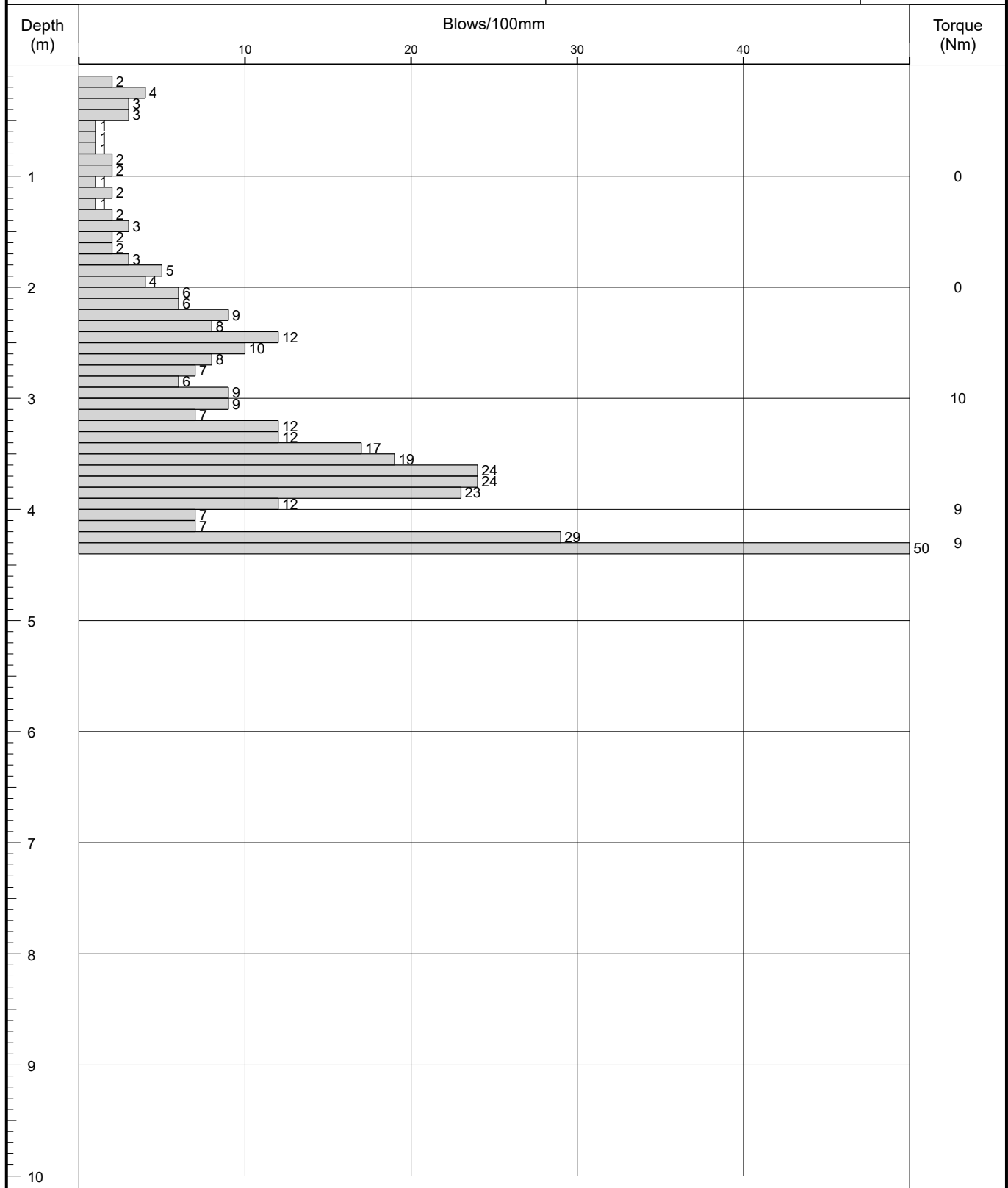
Level: 67.05

Scale
1:50

Client: Grainger plc

Dates: 26/09/2023 -

Logged By



Remarks

50 Blows for 60mm penetration

Fall Height

Hammer Wt

Probe Type DPSH

Cone Base Diameter

Final Depth 4.30

Log Scale 1:50





APPENDIX C

Soakage Testing Results



- 1 Blue cells require input data
2 Infiltration calculated to method in 'BRE Digest 365 (1991) - Soakaway Design'
3 First line of table must be depth at time = 0

- 1 Blue cells require input data
2 Infiltration calculated to method in 'BRE Digest 365 (1991) - Soakaway Design'
3 First line of table must be depth at time = 0

APPENDIX D

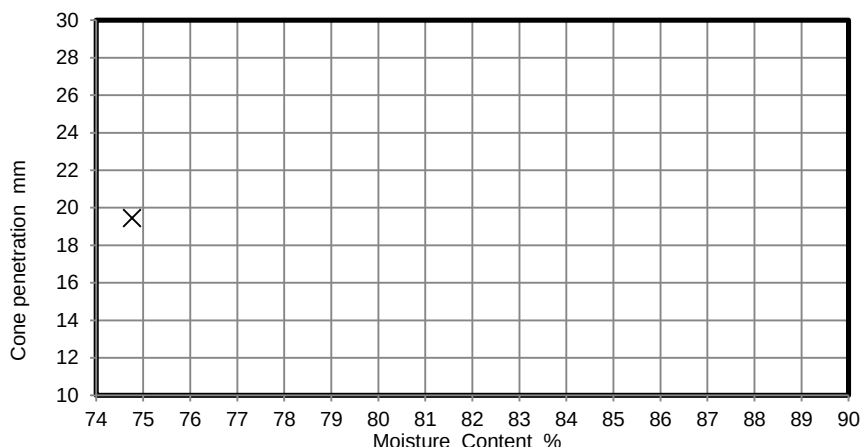
Geotechnical Laboratory Results





LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	34142
				Borehole/Pit No.	TP101
Site Name	Woodcroft Farm Phase 3			Sample No.	2
Project No.	GE20772	Client	GESL	Depth Top m	1.00
Soil Description	Grey and brown mottled slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)			Depth Base m	-
				Sample Type	D
				Samples received	03/10/2023
				Schedules received	03/10/2023
				Project Started	04/10/2023
				Date Tested	17/10/2023



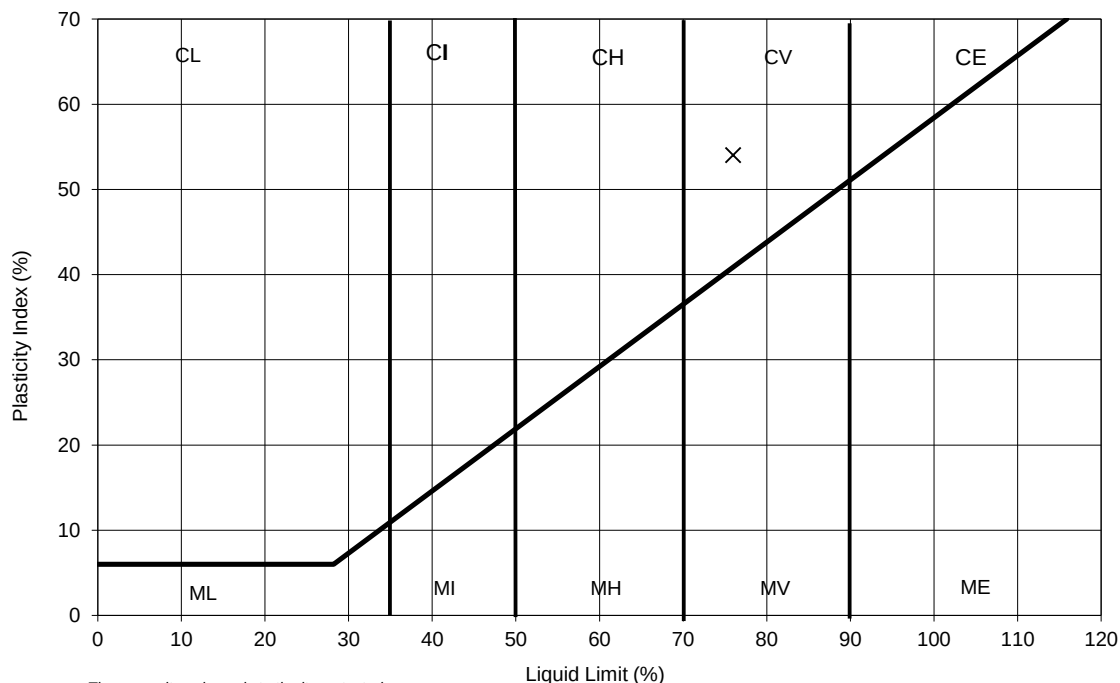
NATURAL MOISTURE CONTENT	21	%
% PASSING 425µm SIEVE	43	%
LIQUID LIMIT	76	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	54	%

Remarks

Sample washed to obtain test fraction

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

NOTE: The report shall not be reproduced except in full without authority of the laboratory



TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Tel: 01923 711 288 Email: James@k4soils.com

Checked and Approved

Initials: J.P

Date: 20/10/2023



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 34142

Borehole/Pit No. TP104

Site Name Woodcroft Farm Phase 3

Sample No. 4

Project No. GE20772 Client GESL

Depth Top m 2.00

Soil Description Grey and reddish brown silty CLAY

Depth Base m -

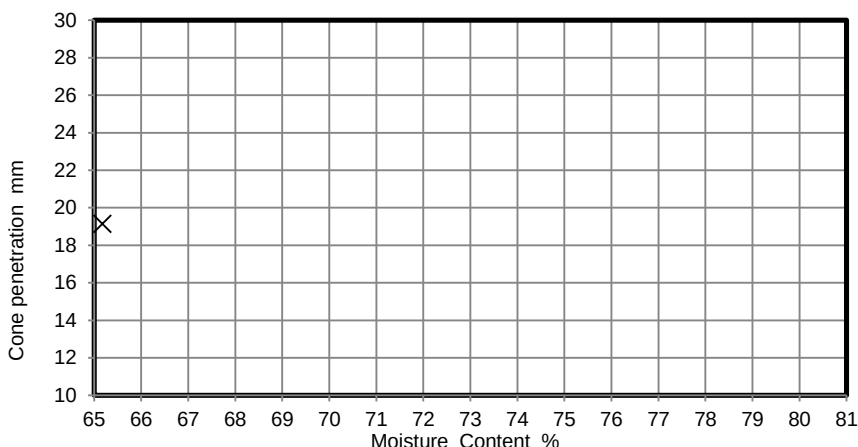
Sample Type D

Samples received 03/10/2023

Schedules received 03/10/2023

Project Started 04/10/2023

Date Tested 18/10/2023



NATURAL MOISTURE CONTENT

28

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

66

%

PLASTIC LIMIT

22

%

PLASTICITY INDEX

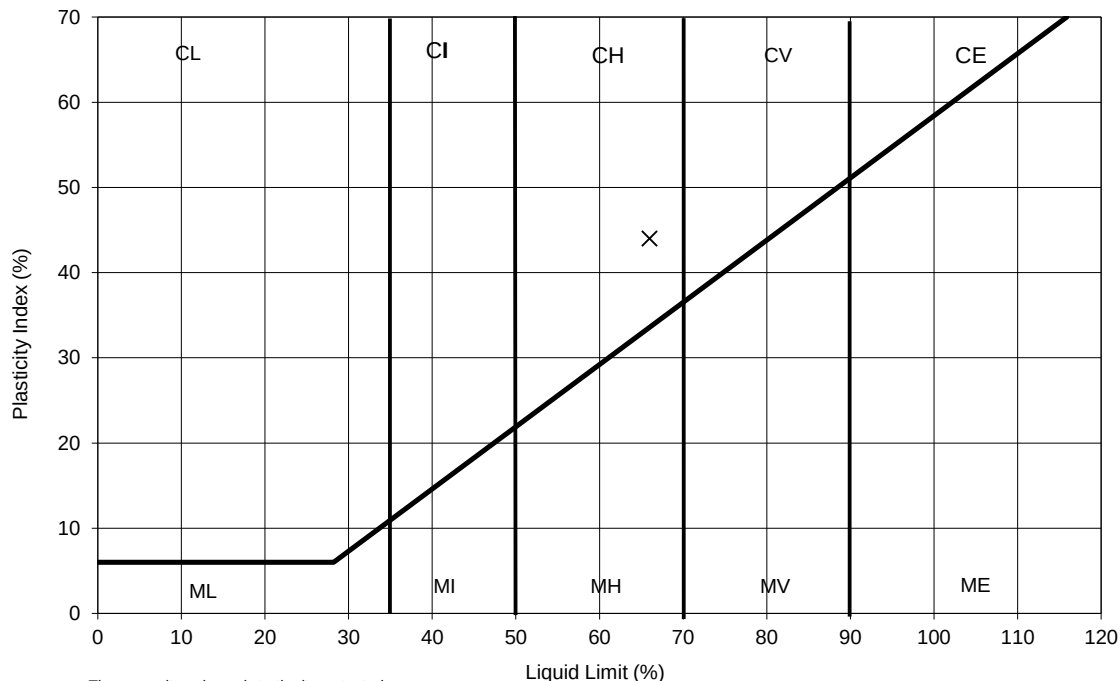
44

%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Tel: 01923 711 288 Email: James@k4soils.com

Checked and Approved

Initials: J.P

Date: 20/10/2023

2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

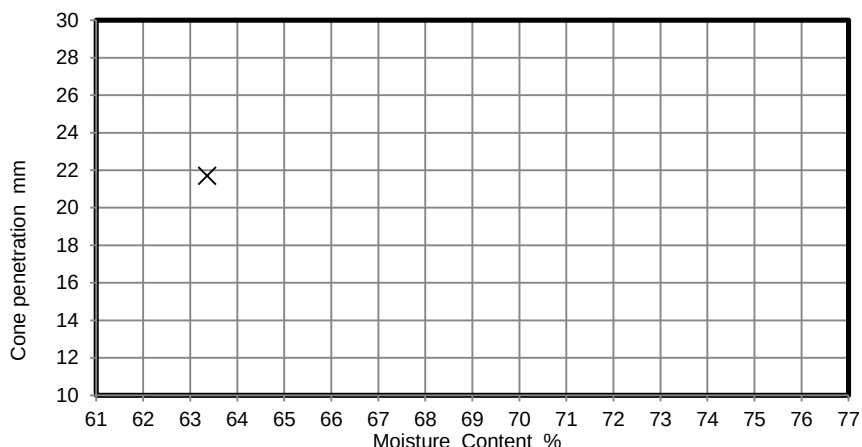
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	34142
				Borehole/Pit No.	TP108
Site Name	Woodcroft Farm Phase 3			Sample No.	1
Project No.	GE20772	Client	GESL	Depth Top m	0.50
Soil Description	Yellowish brown slightly gravelly silty CLAY with traces of rootlets (gravel is fmc and angular to sub-rounded)			Depth Base m	-
				Sample Type	D
				Samples received	03/10/2023
				Schedules received	03/10/2023
				Project Started	04/10/2023
				Date Tested	18/10/2023

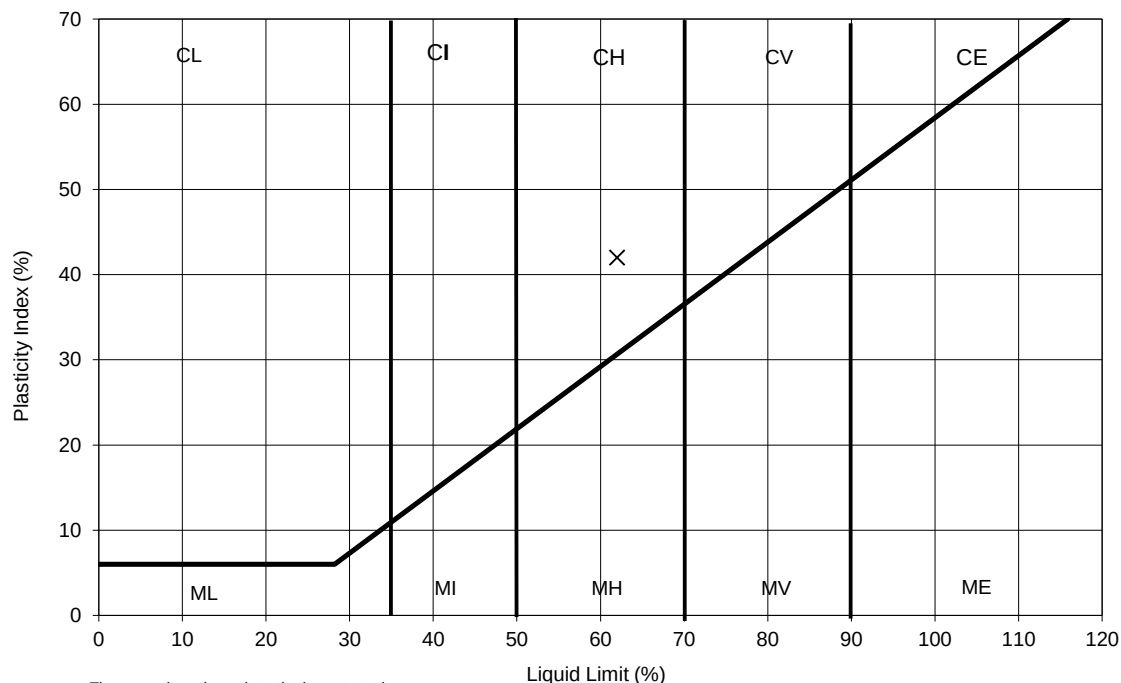


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	75	%
LIQUID LIMIT	62	%
PLASTIC LIMIT	20	%
PLASTICITY INDEX	42	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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NOTE: The report shall not be reproduced except in full without authority of the laboratory



TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Tel: 01923 711 288 Email: James@k4soils.com

Checked and Approved

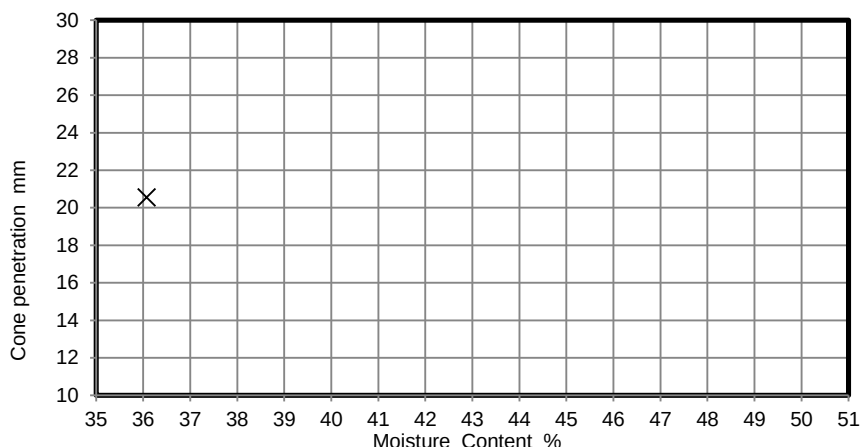
Initials: J.P

Date: 20/10/2023



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	34142
				Borehole/Pit No.	TP110
Site Name	Woodcroft Farm Phase 3			Sample No.	1
Project No.	GE20772	Client	GESL	Depth Top m	0.50
Soil Description	Orangish brown slightly gravelly silty CLAY with occasional rootlets (gravel is fm and sub-angular to sub-rounded)			Depth Base m	-
				Sample Type	D
				Samples received	03/10/2023
				Schedules received	03/10/2023
				Project Started	04/10/2023
				Date Tested	18/10/2023

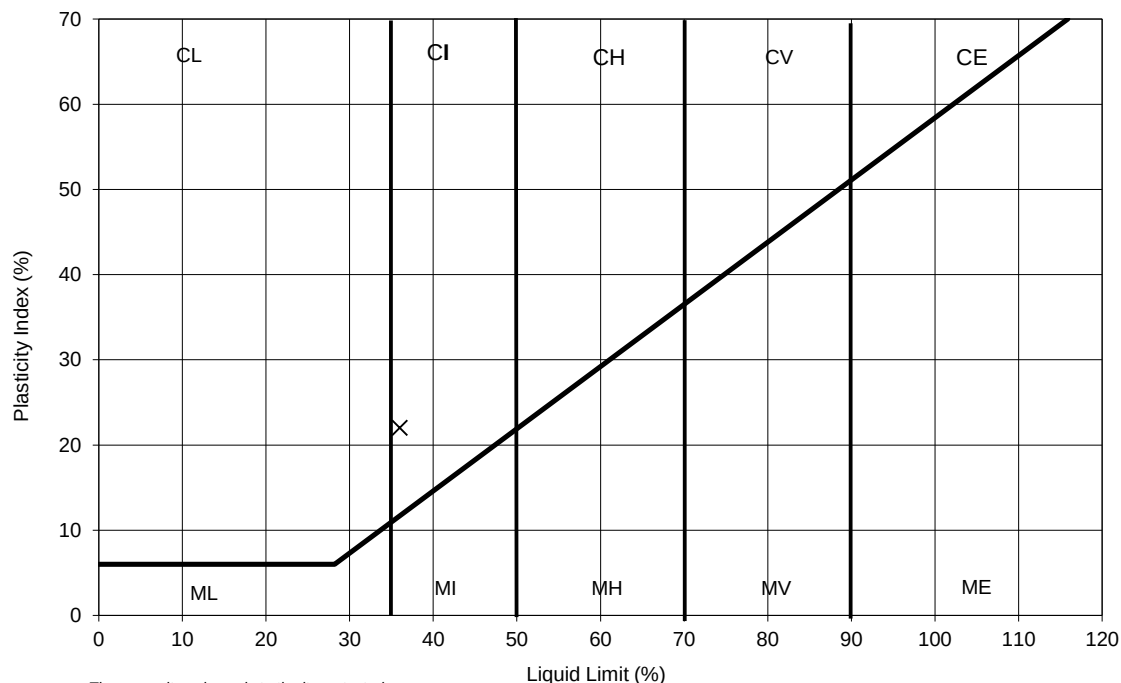


NATURAL MOISTURE CONTENT	12	%
% PASSING 425µm SIEVE	80	%
LIQUID LIMIT	36	%
PLASTIC LIMIT	14	%
PLASTICITY INDEX	22	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Tel: 01923 711 288 Email: James@k4soils.com

Checked and Approved

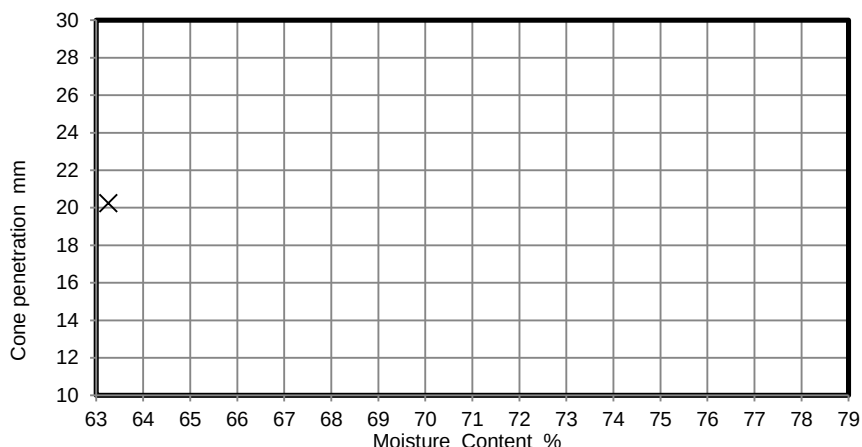
Initials: J.P

Date: 20/10/2023



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	34142
				Borehole/Pit No.	TP117
Site Name	Woodcroft Farm Phase 3			Sample No.	3
Project No.	GE20772	Client	GESL	Depth Top m	1.50
Soil Description	Orangish brown slightly gravelly silty CLAY with traces of rootlets (gravel is fm and angular to sub-rounded)			Depth Base m	-
				Sample Type	D
				Samples received	03/10/2023
				Schedules received	03/10/2023
				Project Started	04/10/2023
				Date Tested	18/10/2023

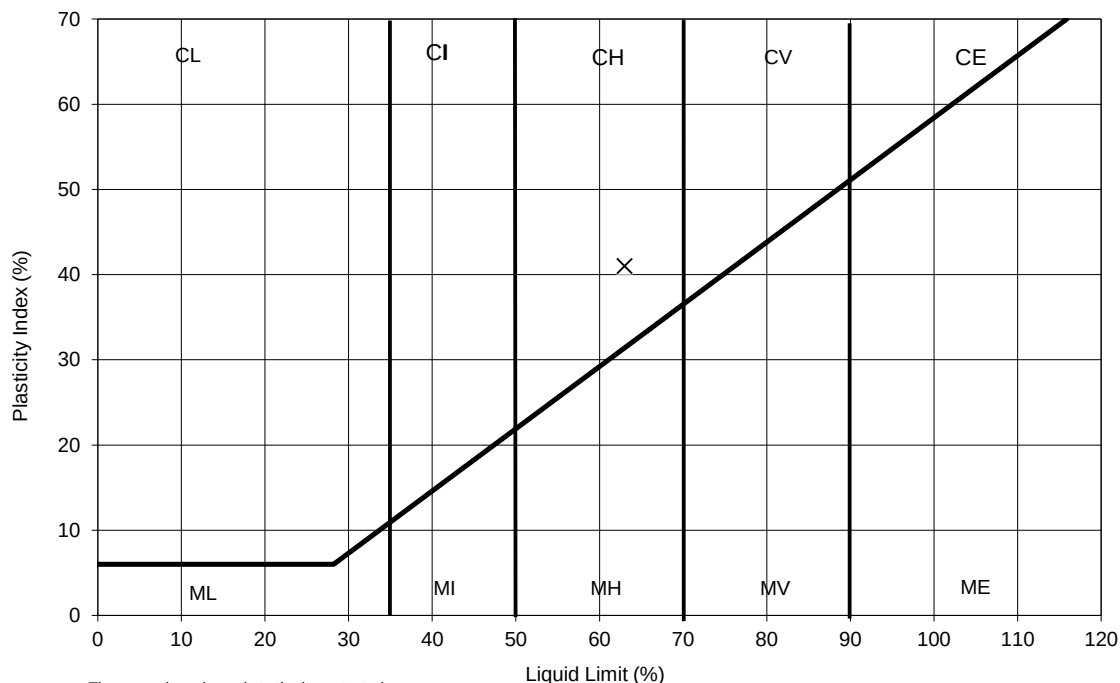


NATURAL MOISTURE CONTENT	25	%
% PASSING 425µm SIEVE	89	%
LIQUID LIMIT	63	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	41	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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Checked and Approved

Initials: J.P

Date: 20/10/2023

2519

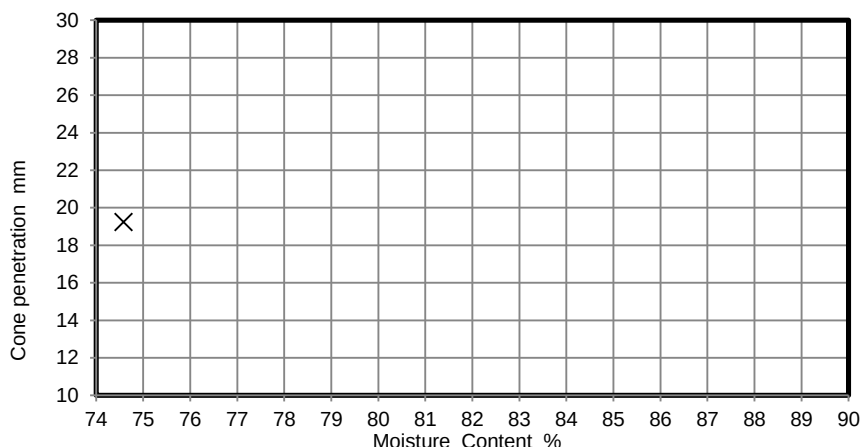
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	34142
				Borehole/Pit No.	TP121
Site Name	Woodcroft Farm Phase 3			Sample No.	2
Project No.	GE20772	Client	GESL	Depth Top m	1.00
Soil Description	Yellowish brown slightly gravelly silty CLAY (gravel is fm and angular to sub-angular)			Depth Base m	-
				Sample Type	D
				Samples received	03/10/2023
				Schedules received	03/10/2023
				Project Started	04/10/2023
				Date Tested	18/10/2023

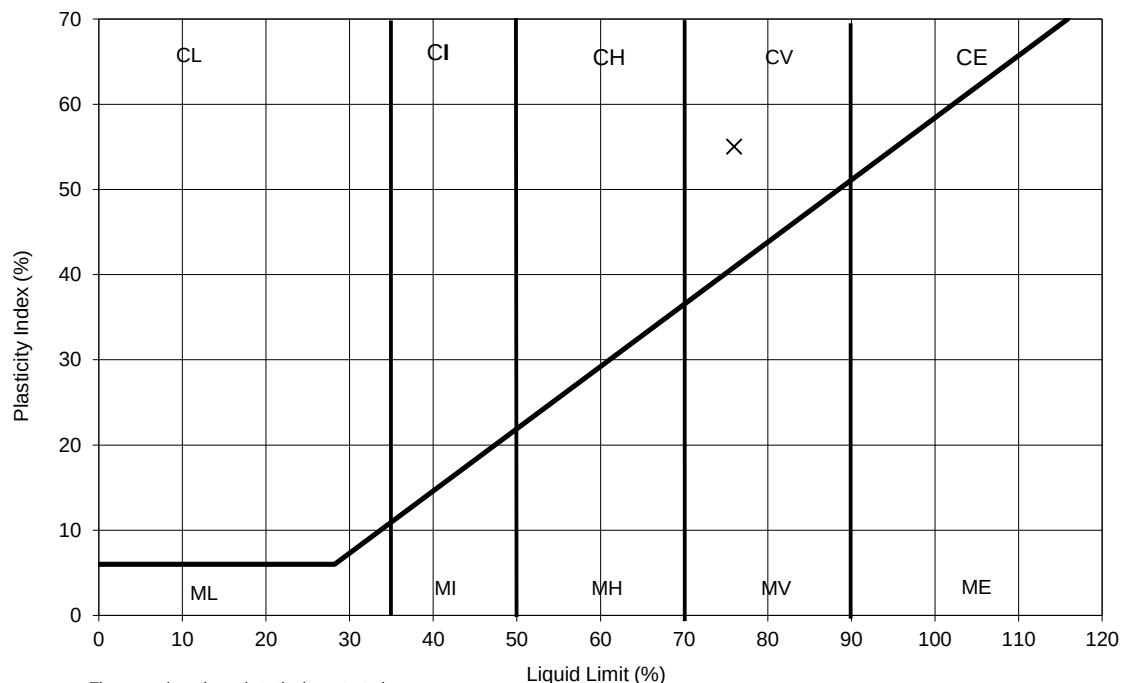


NATURAL MOISTURE CONTENT	26	%
% PASSING 425µm SIEVE	96	%
LIQUID LIMIT	76	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	55	%

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

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Checked and Approved

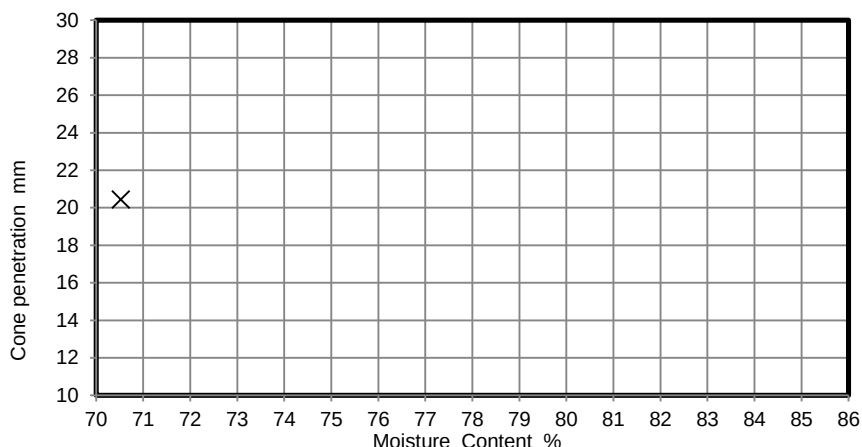
Initials: J.P

Date: 20/10/2023



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	34142
				Borehole/Pit No.	TP124
Site Name	Woodcroft Farm Phase 3			Sample No.	3
Project No.	GE20772	Client	GESL	Depth Top m	1.50
Soil Description	Greyish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular chalk)			Depth Base m	-
				Sample Type	D
				Samples received	03/10/2023
				Schedules received	03/10/2023
				Project Started	04/10/2023
				Date Tested	17/10/2023



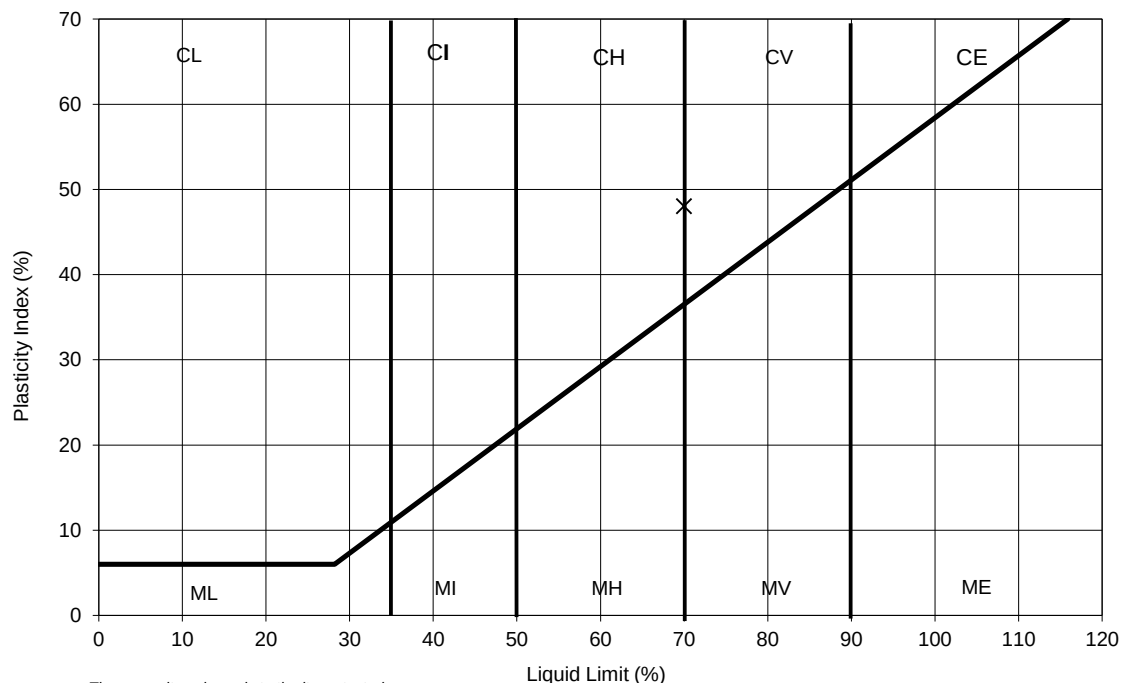
NATURAL MOISTURE CONTENT	44	%
% PASSING 425µm SIEVE	52	%
LIQUID LIMIT	70	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	48	%

Remarks

Sample washed to obtain test fraction

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS1377: Part 2 :Clause 4.4 : 1990 Determination of the liquid limit by the cone penetrometer method

BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index

BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU

Tel: 01923 711 288 Email: James@k4soils.com

Checked and Approved

Initials: J.P

Date: 20/10/2023

					Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results									
Job No.		Project Name				Programme								
34142		Woodcroft Farm Phase 3				Samples received		03/10/2023						
Project No.		Client				Schedule received		03/10/2023						
GE20772		GESL				Project started		04/10/2023						
						Testing Started		17/10/2023						
Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks			
	Ref	Top m	Base m	Type										
TP101	2	1.00	-	D	Grey and brown mottled slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)	21	43	76	22	54	Sample washed to obtain test fraction			
TP104	4	2.00	-	D	Grey and reddish brown silty CLAY	28	100	66	22	44				
TP108	1	0.50	-	D	Yellowish brown slightly gravelly silty CLAY with traces of rootlets (gravel is fmc and angular to sub-rounded)	19	75	62	20	42				
TP110	1	0.50	-	D	Orangish brown slightly gravelly silty CLAY with occasional rootlets (gravel is fm and sub-angular to sub-rounded)	12	80	36	14	22				
TP117	3	1.50	-	D	Orangish brown slightly gravelly silty CLAY with traces of rootlets (gravel is fm and angular to sub-rounded)	25	89	63	22	41				
TP121	2	1.00	-	D	Yellowish brown slightly gravelly silty CLAY (gravel is fm and angular to sub-angular)	26	96	76	21	55				
TP124	3	1.50	-	D	Greyish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular chalk)	44	52	70	22	48	Sample washed to obtain test fraction			
					Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0 <i>These results only apply to the items tested</i> NOTE: The report shall not be reproduced except in full without authority of the laboratory					Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com			Checked and Approved Initials J.P Date: 20/10/2023	
2519					Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)					MSF-5-R1(b)				

					Saturation Moisture Content - Summary of Results Tested in accordance with BS1377 : Part 2 : 1990, clause 3.3 unless annotated otherwise.					
Job No.		Project Name				Programme				
34142		Woodcroft Farm Phase 3				Samples received		03/10/2023		
Project No.		Client				Schedule received		03/10/2023		
GE20772		GESL				Project started		04/10/2023		
						Testing Started		16/10/2023		
Hole No.	Sample				Description	SMC %	NMC %	Bulk Density Mg/m3	Dry Density Mg/m3	Remarks - Sample size complies with BS1377:1990: Part 2 (Yes/No)
	Ref	Top m	Base m	Type						
BH04	4	6.50	-	B	Off white CHALK consisting of soft sand and silt size chalky matrix with occasional fine chalk gravel fragments and fmc flint gravel	-	11	-	-	Sample unsuitable
TP112	1	2.00	-	B	Cobble sized Rock CHALK fragments	7.7	7.0	2.39	2.23	Yes
TP122	1	1.50	-	B	Cobble sized Rock CHALK fragments with off white clayey chalky matrix	12	11	2.26	2.03	Yes
TP123	2	3.00	-	B	Medium to coarse and cobble sized intact CHALK fragments with rare chalk matrix	27	27	1.97	1.56	No
TP124	1	2.30	-	B	Medium to coarse Rock CHALK fragments	9.0	7.7	2.34	2.17	Yes
					Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com					Checked and Approved Initials J.P Date: 20/10/2023
2519					Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)					MSF-5-R18

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APPENDIX E

Geochemical Laboratory Results



Fiona Goode

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i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 23-59679

Project / Site name: Woodcroft

Samples received on: 28/09/2023

Your job number: GE20772

**Samples instructed on/
Analysis started on:** 02/10/2023

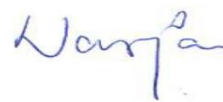
Your order number: PO-6822

Analysis completed by: 09/10/2023

Report Issue Number: 1

Report issued on: 09/10/2023

Samples Analysed: 10 soil samples



Signed:

Dominika Warjan
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 23-59679

Project / Site name: Woodcroft

Your Order No: PO-6822

Lab Sample Number				2830197	2830198	2830199	2830200	2830201
Sample Reference				TP101	TP105	TP106	TP109	TP112
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.15	0.10	0.20	0.15
Date Sampled				27/09/2023	27/09/2023	27/09/2023	27/09/2023	25/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	18	17	17	13
Total mass of sample received	kg	0.001	NONE	1.5	1.5	1.5	2	1.8

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	DSO	DSO	DSO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.8	7.6	7.4	7.8	7.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	26	10	29	24	14
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0129	0.005	0.0146	0.0119	0.0071
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	12.9	5	14.6	11.9	7.1
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	1.5	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	4.5	6.3	5.4	4.3	4.9
Elemental Sulphur	mg/kg	5	MCERTS	5.3	< 5.0	< 5.0	< 5.0	< 5.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.4	1.1	2	2.5	1.5

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
----------------------------	-------	---	--------	-------	-------	-------	-------	-------

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.07	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.06	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
-----------------------------	-------	-----	-----------	--------	--------	--------	--------	--------

Analytical Report Number: 23-59679

Project / Site name: Woodcroft

Your Order No: PO-6822

Lab Sample Number	2830197	2830198	2830199	2830200	2830201
Sample Reference	TP101	TP105	TP106	TP109	TP112
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.15	0.15	0.10	0.20	0.15
Date Sampled	27/09/2023	27/09/2023	27/09/2023	27/09/2023	25/09/2023
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.9	7.4	4.8	6.6	10
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.45	0.35	0.27	0.37	0.55
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.3	0.5	1.1	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	19	25	10	17	25
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	8.9	6.9	10	11
Lead (aqua regia extractable)	mg/kg	1	MCERTS	25	18	17	35	18
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.3	6	5.6	8	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	40	47	21	30	43
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	26	20	18	43	37

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC44) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC44) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-59679

Project / Site name: Woodcroft

Your Order No: PO-6822

Lab Sample Number				2830202	2830203	2830204	2830205	2830206
Sample Reference				TP117	TP118	TP119	TP122	TP124
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.25	0.30	0.15	0.10	0.15
Date Sampled				26/09/2023	25/09/2023	25/09/2023	26/09/2023	26/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	15	12	15	14
Total mass of sample received	kg	0.001	NONE	1.8	1.8	1.8	1.8	1.8

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	DSO	DSO	DSO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.7	7	6.4	6.6	6.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	22	4.1	9.6	13	9.6
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.011	0.002	0.0048	0.0066	0.0048
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	11	2	4.8	6.6	4.8
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	4.7	4.9	3.7	3.8	3.5
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	5.2	< 5.0	< 5.0	5.5
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.5	0.5	1.5	2.1	1.8

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Analytical Report Number: 23-59679

Project / Site name: Woodcroft

Your Order No: PO-6822

Lab Sample Number				2830202	2830203	2830204	2830205	2830206
Sample Reference				TP117	TP118	TP119	TP122	TP124
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.25	0.30	0.15	0.10	0.15
Date Sampled				26/09/2023	25/09/2023	25/09/2023	26/09/2023	26/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.7	13	10	10	11
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.54	0.79	0.59	1.4	1.1
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.5	0.5	0.9	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	43	23	34	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	13	17	11	15	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	22	13	19	28	30
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	10	16	11	37	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	52	69	40	58	55
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	33	38	34	68	50

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC44) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	11	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	2	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	12	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	21	< 10
TPH-CWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	35	< 10
TPH-CWG - Aromatic (EC5 - EC44) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	41	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 23-59679
Project / Site name: Woodcroft

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2830197	TP101	None Supplied	0.15	Brown clay with vegetation and gravel
2830198	TP105	None Supplied	0.15	Brown clay.
2830199	TP106	None Supplied	0.1	Brown loam and sand with gravel and vegetation.
2830200	TP109	None Supplied	0.2	Brown loam and sand with gravel and vegetation.
2830201	TP112	None Supplied	0.15	Brown loam and sand with gravel and vegetation.
2830202	TP117	None Supplied	0.25	Brown clay with gravel and vegetation.
2830203	TP118	None Supplied	0.3	Brown clay with gravel.
2830204	TP119	None Supplied	0.15	Brown loam and sand with gravel and vegetation.
2830205	TP122	None Supplied	0.1	Brown clay and sand with gravel and vegetation.
2830206	TP124	None Supplied	0.15	Brown clay and sand with gravel and vegetation.

Analytical Report Number : 23-59679

Project / Site name: Woodcroft

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC.	In-house method based on Secondsite Property Holdings Guidance for Assessing and Managing Potential	L021-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards. Refer to CoA for analyte specific accreditation.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	MCERTS

Analytical Report Number : 23-59679

Project / Site name: Woodcroft

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

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Analytical Report Number : 23-60049

Project / Site name:	Woodcroft	Samples received on:	02/10/2023
Your job number:	GE20772	Samples instructed on/ Analysis started on:	03/10/2023
Your order number:	PO-6833	Analysis completed by:	10/10/2023
Report Issue Number:	1	Report issued on:	10/10/2023
Samples Analysed:	5 soil samples		

Signed:

Izabela Wójcik

Izabela Wójcik
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 23-60049

Project / Site name: Woodcroft

Your Order No: PO-6833

Lab Sample Number				2832192	2832193	2832194	2832195	2832196
Sample Reference				TP123	TP121	TP104	TP106	WS13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.00	1.00	1.00	1.00	0.20
Date Sampled				28/09/2023	28/09/2023	28/09/2023	28/09/2023	29/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	15	24	18	13
Total mass of sample received	kg	0.001	NONE	1.2	1.2	1.2	1.5	1.5

Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	IZJ

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.3	5.1	4.7	5.1	7.8
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	360	220	830	340	-
Total Sulphate as SO ₄	%	0.005	MCERTS	0.036	0.022	0.083	0.034	-
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-	-	-	68
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0141	0.0745	0.081	0.0358	0.0339
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	-	-	-	33.9
Sulphide	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	-	-	-	-	6.7
Elemental Sulphur	mg/kg	5	MCERTS	-	-	-	-	6.2
Total Sulphur	mg/kg	50	MCERTS	270	89	350	150	-
Total Sulphur	%	0.005	MCERTS	0.027	0.009	0.035	0.015	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	0.9

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	0.17
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	0.2
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	0.16
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	0.09
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	0.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	0.15
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	0.06
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	0.09
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	0.07
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	0.08

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	1.17
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Analytical Report Number: 23-60049

Project / Site name: Woodcroft

Your Order No: PO-6833

Lab Sample Number	2832192	2832193	2832194	2832195	2832196
Sample Reference	TP123	TP121	TP104	TP106	WS13
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.00	1.00	1.00	1.00	0.20
Date Sampled	28/09/2023	28/09/2023	28/09/2023	28/09/2023	29/09/2023
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	13
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	0.56
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	18
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	52
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	40

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
Toluene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
o-xylene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	-	-	-	-	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	< 10
TPH-CWG - Aliphatic (EC5 - EC44) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic > EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	-	-	-	-	< 8.4
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	< 10
TPH-CWG - Aromatic (EC5 - EC44) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 23-60049
Project / Site name: Woodcroft

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2832192	TP123	None Supplied	2	Beige clay with chalk.
2832193	TP121	None Supplied	1	Light brown clay.
2832194	TP104	None Supplied	1	Brown clay.
2832195	TP106	None Supplied	1	Brown clay.
2832196	WS13	None Supplied	0.2	Brown clay and loam with gravel and vegetation.

Analytical Report Number : 23-60049

Project / Site name: Woodcroft

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC.	In-house method based on Secondsite Property Holdings Guidance for Assessing and Managing Potential	L021-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards. Refer to CoA for analyte specific accreditation.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS

Analytical Report Number : 23-60049

Project / Site name: Woodcroft

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total



APPENDIX F

HazWasteOnline Report



Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



40DOI-UST3T-7GJ30

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in **pale yellow**.

Job name

GE20772 Waste Soils Assessment[1]

Description/Comments

Based on i2 Analytical Report Numbers: 23-59679-1 & 23-60049-1

Project

GE20772

Site

Woodcroft Farm Phase 3

Classified by

Name: **Shaun Armitage**
 Date: **23 Nov 2023 13:43 GMT**
 Telephone:
 Company: **Geo-Environmental Services**
Unit 7, Danworth Farm, Cuckfield Rd
Hurstpierpoint
BN6 9GL

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Course
 Hazardous Waste Classification

Date
 09 Jun 2022

Next 3 year Refresher due by Jun 2025

Purpose of classification

2 - Material Characterisation

Address of the waste

Woodcroft Farm Phase 3, Lovedean, Hampshire

Post Code PO9 9WN

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment of fields for residential development

Description of the specific process, sub-process and/or activity that created the waste

Potential waste created by excavations for residential development

Description of the waste

Clay based Topsoil and clay based natural soils

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP101--27092023-0.15	0.15	Non Hazardous		3
2	TP105--27092023-0.15	0.15	Non Hazardous		6
3	TP106--27092023-0.10	0.10	Non Hazardous		9
4	TP109--27092023-0.20	0.20	Non Hazardous		12
5	TP112--25092023-0.15	0.15	Non Hazardous		15
6	TP117--26092023-0.25	0.25	Non Hazardous		18
7	TP118--25092023-0.30	0.30	Non Hazardous		21
8	TP119--25092023-0.15	0.15	Non Hazardous		24
9	TP122--26092023-0.10	0.10	Non Hazardous		27
10	TP124--26092023-0.15	0.15	Non Hazardous		30
11	WS13--29092023-0.20	0.20	Non Hazardous		33

Related documents

#	Name	Description
1	23-59679_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	23-60049_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
3	GE20772.batch	i2 Analytical .batch file used to populate the Job
4	GESL Soils Waste Stream Template	waste stream template used to create this Job

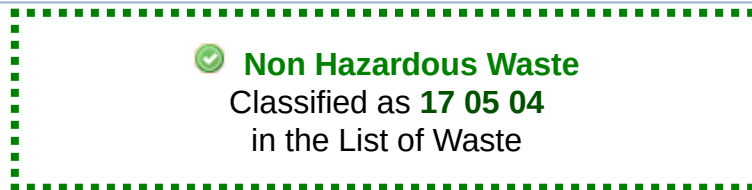
Report

Created by: Shaun Armitage

Created date: 23 Nov 2023 13:43 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	36
Appendix B: Rationale for selection of metal species	37
Appendix C: Version	38

Classification of sample: TP101--27092023-0.15


Sample details

Sample name:	LoW Code:
TP101--27092023-0.15	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.15 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(wet weight correction)	

Hazard properties

None identified

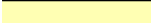
Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.9 mg/kg	1.32	9.283 mg/kg	0.000928 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.45 mg/kg	2.775	1.112 mg/kg	0.000111 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide }				0.4 mg/kg	3.22	1.146 mg/kg	0.000115 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	24.715 mg/kg	0.00247 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
7	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	11.022 mg/kg	0.0011 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	25 mg/kg	1.56	34.706 mg/kg	0.00223 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				9.3 mg/kg	2.976	24.635 mg/kg	0.00246 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				40 mg/kg	1.785	63.553 mg/kg	0.00636 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
13	zinc { zinc chromate }				26 mg/kg	2.774	64.194 mg/kg	0.00642 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
14	TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD
			TPH							
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		6.8 pH		6.8 pH	6.8 pH			
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				5.3 mg/kg	3.211	15.148 mg/kg	0.00151 %	✓		
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0285 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP105--27092023-0.15

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP105--27092023-0.15	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.15 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

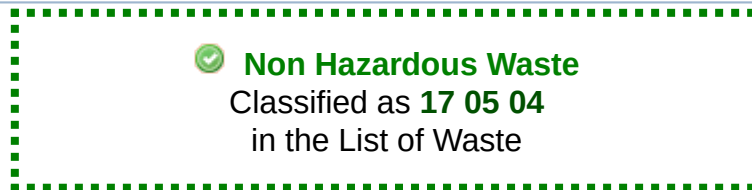
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.4 mg/kg	1.32	8.012 mg/kg	0.000801 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.35 mg/kg	2.775	0.797 mg/kg	0.0000797 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide }				0.3 mg/kg	3.22	0.792 mg/kg	0.0000792 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	29.962 mg/kg	0.003 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
7	copper { dicopper oxide; copper (I) oxide }				8.9 mg/kg	1.126	8.217 mg/kg	0.000822 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	18 mg/kg	1.56	23.023 mg/kg	0.00148 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				6 mg/kg	2.976	14.643 mg/kg	0.00146 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				47 mg/kg	1.785	68.801 mg/kg	0.00688 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
13	zinc { zinc chromate }				20 mg/kg	2.774	45.496 mg/kg	0.00455 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
14	TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD
			TPH							
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				7.6 pH		7.6 pH	7.6 pH			
			PH								
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.0255 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP106--27092023-0.10


Sample details

Sample name:	LoW Code:
TP106--27092023-0.10	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4.8 mg/kg	1.32	5.26 mg/kg	0.000526 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.27 mg/kg	2.775	0.622 mg/kg	0.0000622 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide }				0.5 mg/kg	3.22	1.336 mg/kg	0.000134 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	12.131 mg/kg	0.00121 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
7	copper { dicopper oxide; copper (I) oxide }				6.9 mg/kg	1.126	6.448 mg/kg	0.000645 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	17 mg/kg	1.56	22.009 mg/kg	0.00141 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				5.6 mg/kg	2.976	13.834 mg/kg	0.00138 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				21 mg/kg	1.785	31.116 mg/kg	0.00311 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
13	zinc { zinc chromate }				18 mg/kg	2.774	41.446 mg/kg	0.00414 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
14	TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD
			TPH							
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		7.4 pH		7.4 pH	7.4 pH			
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.019 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP109--27092023-0.20

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP109--27092023-0.20	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m	
Moisture content:	
17%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.6 mg/kg	1.32	7.233 mg/kg	0.000723 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.37 mg/kg	2.775	0.852 mg/kg	0.0000852 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide }				1.1 mg/kg	3.22	2.94 mg/kg	0.000294 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	20.623 mg/kg	0.00206 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
7	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	9.345 mg/kg	0.000934 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	35 mg/kg	1.56	45.313 mg/kg	0.00291 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				8 mg/kg	2.976	19.762 mg/kg	0.00198 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				30 mg/kg	1.785	44.451 mg/kg	0.00445 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
13	zinc { zinc chromate }				43 mg/kg	2.774	99.009 mg/kg	0.0099 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
14	TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD
			TPH							
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				7.8 pH		7.8 pH	7.8 pH			
			PH								
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				0.07 mg/kg		0.0581 mg/kg	0.00000581 %		✓	
		205-912-4	206-44-0								
29	pyrene				0.06 mg/kg		0.0498 mg/kg	0.00000498 %		✓	
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.05 mg/kg		0.0415 mg/kg	0.00000415 %		✓	
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.0297 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP112--25092023-0.15


Non Hazardous Waste
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP112--25092023-0.15	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.15 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				10 mg/kg	1.32	11.487 mg/kg	0.00115 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				0.55 mg/kg	2.775	1.328 mg/kg	0.000133 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				0.3 mg/kg	3.22	0.84 mg/kg	0.000084 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				25 mg/kg	1.462	31.789 mg/kg	0.00318 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide ; copper (I) oxide }				11 mg/kg	1.126	10.775 mg/kg	0.00108 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	18 mg/kg	1.56	24.427 mg/kg	0.00157 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
10		nickel { nickel chromate }				14 mg/kg	2.976	36.251 mg/kg	0.00363 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
12		vanadium { divanadium pentaoxide ; vanadium pentoxide }				43 mg/kg	1.785	66.784 mg/kg	0.00668 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				37 mg/kg	2.774	89.3 mg/kg	0.00893 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD	
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		7.6 pH		7.6 pH	7.6 pH			
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0328 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP117--26092023-0.25

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP117--26092023-0.25	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.25 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

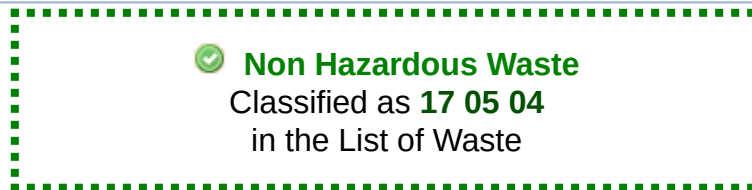
#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				8.7 mg/kg	1.32	10.223 mg/kg	0.00102 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				0.54 mg/kg	2.775	1.334 mg/kg	0.000133 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				0.8 mg/kg	3.22	2.293 mg/kg	0.000229 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				30 mg/kg	1.462	39.024 mg/kg	0.0039 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	13.027 mg/kg	0.0013 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	22 mg/kg	1.56	30.541 mg/kg	0.00196 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
10		nickel { nickel chromate }				10 mg/kg	2.976	26.489 mg/kg	0.00265 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				52 mg/kg	1.785	82.618 mg/kg	0.00826 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				33 mg/kg	2.774	81.477 mg/kg	0.00815 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD	
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				6.7 pH		6.7 pH	6.7 pH			
			PH								
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.034 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP118--25092023-0.30


Sample details

Sample name:	LoW Code:
TP118--25092023-0.30	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(wet weight correction)	

Hazard properties

None identified

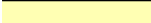
Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used	
		EU CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				13	mg/kg	1.32	14.59	mg/kg	0.00146 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.79	mg/kg	2.775	1.864	mg/kg	0.000186 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide }				0.5	mg/kg	3.22	1.368	mg/kg	0.000137 %	✓	
		005-008-00-8	215-125-8	1303-86-2									
4		cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
		048-002-00-0	215-146-2	1306-19-0									
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				43	mg/kg	1.462	53.42	mg/kg	0.00534 %	✓	
			215-160-9	1308-38-9									
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
		024-017-00-8											
7		copper { dicopper oxide; copper (I) oxide }				17	mg/kg	1.126	16.269	mg/kg	0.00163 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
8		lead { lead chromate }			1	13	mg/kg	1.56	17.236	mg/kg	0.00111 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
9		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7									
10		nickel { nickel chromate }				16	mg/kg	2.976	40.477	mg/kg	0.00405 %	✓	
		028-035-00-7	238-766-5	14721-18-7									
11		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				69	mg/kg	1.785	104.701	mg/kg	0.0105 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
13		zinc { zinc chromate }				38	mg/kg	2.774	89.605	mg/kg	0.00896 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
14		TPH (C6 to C40) petroleum group				<36.8	mg/kg		<36.8	mg/kg	<0.00368 %		<LOD
				TPH									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		7 pH		7 pH	7pH			
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				5.2 mg/kg	3.211	14.194 mg/kg	0.00142 %	✓		
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0395 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP119--25092023-0.15

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP119--25092023-0.15	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.15 m	
Moisture content:	
12%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				10 mg/kg	1.32	11.619 mg/kg	0.00116 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				0.59 mg/kg	2.775	1.441 mg/kg	0.000144 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				0.5 mg/kg	3.22	1.417 mg/kg	0.000142 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	29.582 mg/kg	0.00296 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.899 mg/kg	0.00109 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	19 mg/kg	1.56	26.08 mg/kg	0.00167 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
10		nickel { nickel chromate }				11 mg/kg	2.976	28.81 mg/kg	0.00288 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				40 mg/kg	1.785	62.839 mg/kg	0.00628 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				34 mg/kg	2.774	83.002 mg/kg	0.0083 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD	
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				6.4 pH		6.4 pH	6.4 pH			
			PH								
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.031 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP122--26092023-0.10


Non Hazardous Waste
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP122--26092023-0.10	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				10 mg/kg	1.32	11.223 mg/kg	0.00112 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				1.4 mg/kg	2.775	3.303 mg/kg	0.00033 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				0.9 mg/kg	3.22	2.463 mg/kg	0.000246 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				34 mg/kg	1.462	42.239 mg/kg	0.00422 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide; copper (I) oxide }				15 mg/kg	1.126	14.355 mg/kg	0.00144 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	28 mg/kg	1.56	37.124 mg/kg	0.00238 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
10		nickel { nickel chromate }				37 mg/kg	2.976	93.604 mg/kg	0.00936 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				58 mg/kg	1.785	88.01 mg/kg	0.0088 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				68 mg/kg	2.774	160.346 mg/kg	0.016 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				35 mg/kg		29.75 mg/kg	0.00298 %	✓		
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		6.6 pH		6.6 pH	6.6 pH			
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0496 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00298%)

Classification of sample: TP124--26092023-0.15

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
TP124--26092023-0.15	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.15 m		
Moisture content:		
14%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

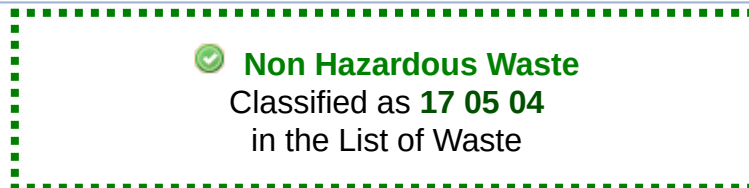
#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				11 mg/kg	1.32	12.49 mg/kg	0.00125 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.625 mg/kg	0.000263 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				0.8 mg/kg	3.22	2.215 mg/kg	0.000222 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				28 mg/kg	1.462	35.194 mg/kg	0.00352 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	13.556 mg/kg	0.00136 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	30 mg/kg	1.56	40.243 mg/kg	0.00258 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
10		nickel { nickel chromate }				25 mg/kg	2.976	63.99 mg/kg	0.0064 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				55 mg/kg	1.785	84.439 mg/kg	0.00844 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				50 mg/kg	2.774	119.288 mg/kg	0.0119 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD	
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				6.8 pH		6.8 pH	6.8 pH			
			PH								
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				5.5 mg/kg	3.211	15.19 mg/kg	0.00152 %	✓		
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.0423 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS13--29092023-0.20


Sample details

Sample name:	LoW Code:
WS13--29092023-0.20	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(wet weight correction)	

Hazard properties

None identified

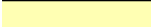
Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				13 mg/kg	1.32	14.933 mg/kg	0.00149 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				0.56 mg/kg	2.775	1.352 mg/kg	0.000135 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				0.3 mg/kg	3.22	0.84 mg/kg	0.000084 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24 mg/kg	1.462	30.517 mg/kg	0.00305 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	11.754 mg/kg	0.00118 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	18 mg/kg	1.56	24.427 mg/kg	0.00157 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
10		nickel { nickel chromate }				16 mg/kg	2.976	41.43 mg/kg	0.00414 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				52 mg/kg	1.785	80.762 mg/kg	0.00808 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				40 mg/kg	2.774	96.54 mg/kg	0.00965 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				<36.8 mg/kg		<36.8 mg/kg	<0.00368 %		<LOD	
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		7.8 pH		7.8 pH	7.8 pH			
22	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				0.17 mg/kg		0.148 mg/kg	0.0000148 %	✓		
		201-581-5	85-01-8								
27	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				0.2 mg/kg		0.174 mg/kg	0.0000174 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.16 mg/kg		0.139 mg/kg	0.0000139 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.09 mg/kg		0.0783 mg/kg	0.00000783 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.1 mg/kg		0.087 mg/kg	0.0000087 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.15 mg/kg		0.13 mg/kg	0.000013 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				0.06 mg/kg		0.0522 mg/kg	0.00000522 %	✓		
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.09 mg/kg		0.0783 mg/kg	0.00000783 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				0.07 mg/kg		0.0609 mg/kg	0.00000609 %	✓		
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.08 mg/kg		0.0696 mg/kg	0.00000696 %	✓		
		205-883-8	191-24-2								
38	sulfur { sulphur dichloride }				6.2 mg/kg	3.211	17.322 mg/kg	0.00173 %	✓		
	016-013-00-X	234-129-0	10545-99-0								
39	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0359 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332, Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Resp. Sens. 1; H334, Skin Sens. 1; H317, Repr. 1B; H360FD, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226, Asp. Tox. 1; H304, STOT RE 2; H373, Muta. 1B; H340, Carc. 1B; H350, Repr. 2; H361d, Aquatic Chronic 2; H411

ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

pH (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

▪ **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

▪ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 £ conc. < 3 % , Eye Irrit. 2; H319 1 £ conc. < 3 % , Aquatic Chronic 2; H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass

chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worst case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species selected

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide]

sulfur {sulphur dichloride}

Worst case species selected

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2023.325.5817.10787 (21 Nov 2023)

HazWasteOnline Database: 2023.325.5817.10787 (21 Nov 2023)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023