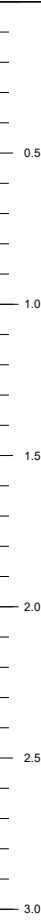
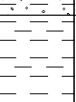
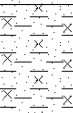
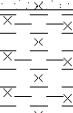
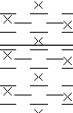
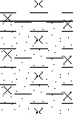


 Geo-Environmental	Contract Name: Holly Tree Farm			Client: Bloor Homes Southern			Trial Pit ID: TP11		
	Contract Number: GE23094	Date Started: 15/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1			
	Easting: 451258.7	Northing: 114079.9	Ground Level: 16.86mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25			
Trial Pit Log									
Weather: Sunny, dry, hot			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		16.71	0.15		Grass over dark brown slightly gravelly silty CLAY with frequent roots and rootlets			
						TOPSOIL			
0.50	B1	PP=3.5kg/cm2		(0.45)		Stiff orange brown slightly sandy gravelly CLAY with occasional rootlets			
0.50	D1		16.26	0.60		WITTERING FORMATION			
						Stiff light grey and orange mottled CLAY with rare rootlets			
						LONDON CLAY			
1.00	D2	PP=2.3kg/cm2		(0.60)					
									
									
									
1.50	D3	PP=2.5kg/cm2		(1.40)		Stiff orange and grey mottled CLAY			
						LONDON CLAY			
									
									
2.00	D4	PP=2.1kg/cm2		(0.40)					
2.00	ES2								
									
									
2.50	D5	PP=1.7kg/cm2		(0.40)					
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									

 Geo-Environmental	Contract Name: Holly Tree Farm			Client: Bloor Homes Southern			Trial Pit ID: TP12		
	Contract Number: GE23094	Date Started: 15/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1			
	Easting: 451320.1	Northing: 114081.2	Ground Level: 17.65mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25			
Trial Pit Log		Weather: Sunny, dry, hot		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=4.2kg/cm2	17.50	0.15		Grass over dark brown slightly gravelly silty CLAY with frequent roots and rootlets TOPSOIL		0.5	
			(0.45)			Very stiff orange brown slightly gravelly CLAY with occasional rootlets possibly desiccated RIVER TERRACE DEPOSITS			
1.00	D2	PP=2.8kg/cm2	17.05	0.60		Stiff orange and grey mottled CLAY with rare rootlets LONDON CLAY		1.0	
			(0.50)						
1.50	D3	PP=2.5kg/cm2	16.55	1.10		Stiff orange and grey mottled CLAY LONDON CLAY		1.5	
			(0.70)						
2.00	D4	PP=2.1kg/cm2	15.85	1.80		Stiff orange and grey slightly sandy CLAY. Sand is coarse LONDON CLAY		2.0	
			(1.20)						
2.50	D5	PP=2.5kg/cm2						2.5	
3.00	D6		14.65	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:	2.10m								
Remarks					 PhotoofSpoil				
Groundwater not encountered									
Water Strikes (mbgl)									
Depth Strike		Rose to		Time Elapsed (mins)					

 Geo-Environmental	Contract Name: Holly Tree Farm			Client: Bloor Homes Southern			Trial Pit ID: TP13		
	Contract Number: GE23094	Date Started: 14/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1			
	Easting: 451383.8	Northing: 114085.8	Ground Level: 18.01mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25			
Trial Pit Log		Weather: Sunny, warm, 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			
0.40 0.50	ES1 D1	PP=3kg/cm2	17.86	0.15 (0.55)		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL Stiff brown slightly sandy CLAY with occasional rootlets WITTERING FORMATION		0.5	
1.00	D2	PP=1.5kg/cm2	17.31	0.70 (0.50)		Firm orange and grey slightly sandy silty CLAY. Sand is fine WITTERING FORMATION		1.0	
1.50	D3		16.81	1.20 (0.60)		Firm orange and grey very sandy silty CLAY. Sand is fine WITTERING FORMATION		1.5	
2.00	D4	PP=2kg/cm2	16.21	1.80 (0.40)		Firm orange brown silty CLAY with occasional flint gravel WITTERING FORMATION		2.0	
2.50	D5	PP=1.7kg/cm2	15.81	2.20 (0.40)		Firm orange and grey slightly silty sandy CLAY. Sand is fine WITTERING FORMATION		2.5	
3.00	D6	PP=1.6kg/cm2	15.41	2.60 (0.40)		Stiff orange and grey mottled CLAY LONDON CLAY		3.0	
			15.01	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:	1.80m								
Remarks					 PhotoofSpoil				
Groundwater not encountered									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						



Contract Number:
GE23094

Date Started:	13/08/2025
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Logged By:	FG
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Checked By:
GR

Status:	FINAL
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Bloor Homes Southern

Trial Pit ID:

TP14

Sheet 1 of 1

Trial Pit Log

Easting:	451445.3
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Northings:	114069.7
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Ground Level:	16.40mOD
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Plant Used:	JCE
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Date Printed:	16/10/2025
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Scale: 1:25

Weather: Overcast, dry, warm

Hole Termination:

Stability: Sides stable

Dimensions:			Photo:
Final Depth:	3.20m		
Final Width:	0.60m		
Final Length:	1.90m		
Remarks			
Groundwater not encountered			
Water Strikes (mbgl)			
Depth Strike	Rose to	Time Elapsed (mins)	

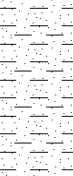
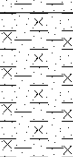
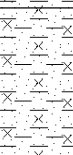
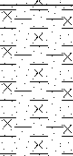
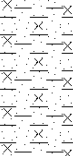
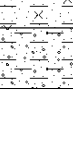
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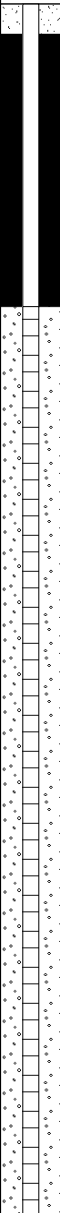
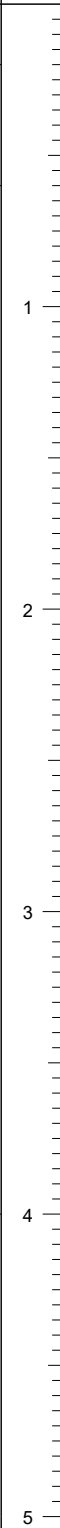
PhotoofSpoil

 Geo-Environmental	Contract Name: Holly Tree Farm			Client: Bloor Homes Southern			Trial Pit ID: TP15		
	Contract Number: GE23094	Date Started: 13/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1			
	Easting: 451475.6	Northing: 114112.9	Ground Level: 18.16mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25			
Trial Pit Log		Weather: Overcast, dry, warm		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=4kg/cm2	17.96	0.20		Crop stubble over dark brown sandy gravelly CLAY with occasional roots and rootlets TOPSOIL	0.5		
0.50	D1		17.56	(0.40)		Stiff orange brown sandy CLAY with occasional rootlets possibly desiccated WITTERING FORMATION			
1.00	D2	PP=2.3kg/cm2	16.86	0.60		Stiff orange and grey very sandy CLAY with occasional flint gravel WITTERING FORMATION	1.0		
1.50	D3			(0.70)		1.30			Stiff orange and grey slightly silty sandy CLAY. Sand is fine WITTERING FORMATION
2.00	D4	PP=2.4kg/cm2	16.36	1.80		Firm orange and grey silty very sandy CLAY. Sand is fine WITTERING FORMATION	2.0		
2.50	D5			(0.90)		2.70			Stiff orange brown slightly sandy CLAY WITTERING FORMATION
3.00	D6		15.16	3.00		End of Trial Pit at 3.00m	3.0		
							3.5		
Dimensions:						Photo:			
Final Depth:	3.00m								
Final Width:	0.60m								
Final Length:	1.90m								
Remarks									
Groundwater not encountered									
Water Strikes (mbgl)									
Depth Strike		Rose to		Time Elapsed (mins)					

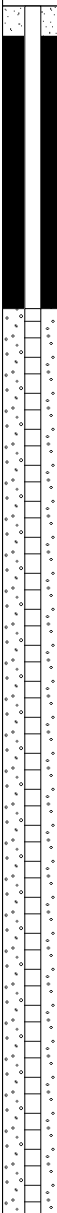
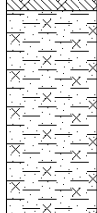
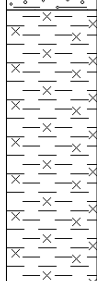
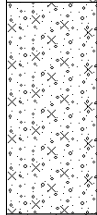
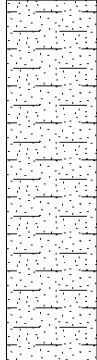
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	Contract Number: GE23094	Date Started: 13/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1				
	Easting: 451506.6	Northing: 114179.2	Ground Level: 20.40mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25				
Trial Pit Log				Weather: Overcast, dry, warm		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=3.6kg/cm2	20.20	0.20		Crop stubble over dark brown slightly sandy gravelly CLAY with occasional roots and rootlets TOPSOIL			0.5	
							Firm to stiff orange brown very gravelly CLAY with rare rootlets. Gravel is fine to coarse sub angular to sub rounded of flint RIVER TERRACE DEPOSITS			
1.00	D2			(0.90)					1.0	
1.50	D3		19.30	1.10		Stiff orange and grey slightly sandy CLAY with occasional flint cobbles WITTERING FORMATION			1.5	
2.00	D4	PP=1.5kg/cm2	18.60	1.80		Firm to stiff orange and grey sandy CLAY. Sand is fine WITTERING FORMATION			2.0	
2.50	D5		18.10	2.30		Firm to stiff orange and grey very sandy CLAY WITTERING FORMATION			2.5	
3.00	D6		17.60	2.80		Orange and yellow slightly clayey fine SAND WITTERING FORMATION			3.0	
			17.40	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:	1.80m									
Remarks					 PhotoofSpoil					
Groundwater not encountered										
Water Strikes (mbgl)										
Depth Strike	Rose to		Time Elapsed (mins)							

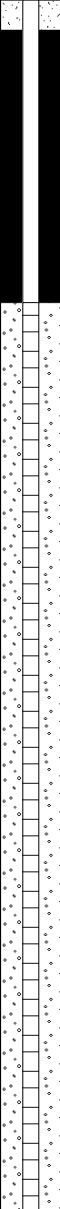
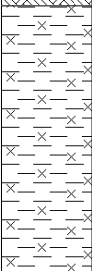
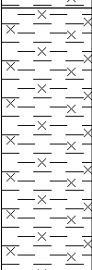
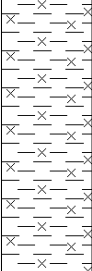
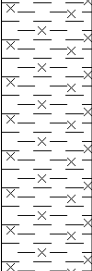
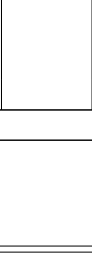
 Geo-Environmental	Contract Name: Holly Tree Farm			Client: Bloor Homes Southern			Trial Pit ID: TP17		
	Contract Number: GE23094	Date Started: 13/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1			
	Easting: 451543.1	Northing: 114153.3	Ground Level: 18.16mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25			
Trial Pit Log		Weather: Overcast, dry, warm		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		18.01	0.15		Crop stubble over dark brown slightly sandy gravelly CLAY with frequent roots and rootlets TOPSOIL			
				(0.45)		Stiff brown gravelly CLAY with occasional rootlets RIVER TERRACE DEPOSITS			
0.50	D1		17.56	0.60		Stiff brown very gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint RIVER TERRACE DEPOSITS		0.5	
				(0.70)					
1.00	D2		16.86	1.30		Orange brown very clayey fine to medium sub angular to sub rounded flint GRAVEL RIVER TERRACE DEPOSITS		1.0	
1.00	ES2			(0.60)					
1.50	D3		16.26	1.90		Firm orange brown silty gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint RIVER TERRACE DEPOSITS		1.5	
				(0.50)					
2.00	D4		15.76	2.40		Firm orange brown and grey laminated silty sandy CLAY. Sand is fine WITTERING FORMATION		2.0	
				(0.30)					
2.50	D5		15.46	2.70		Orange and grey slightly clayey fine SAND WITTERING FORMATION		2.5	
				(0.30)					
3.00	D6		15.16	3.00		End of Trial Pit at 3.00m		3.0	
								3.5	
Dimensions:					Photo:				
Final Depth:	3.00m				 				
Final Width:	0.60m								
Final Length:	2.10m								
Remarks									
Groundwater not encountered									
Water Strikes (mbgl)									
Depth Strike	Rose to		Time Elapsed (mins)						

 Geo-Environmental	Contract Name: Holly Tree Farm			Client: Bloor Homes Southern			Trial Pit ID: TP18			
	Contract Number: GE23094	Date Started: 14/08/2025	Logged By: FG	Checked By: GR	Status: FINAL	Sheet 1 of 1				
	Easting: 451581.2	Northing: 114241.8	Ground Level: 15.91mOD	Plant Used: JCB	Date Printed: 16/10/2025	Scale: 1:25				
Trial Pit Log				Weather: Cloudy, dry slightly breezy		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	PP=2.5kg/cm2	15.76	0.15		Grass over dark brown sandy gravelly CLAY with frequent roots and rootlets TOPSOIL			0.5	
0.50	D1		(0.65)			Stiff orange brown very sandy CLAY with rare rootlets WITTERING FORMATION				
1.00	B1	PP=2.5kg/cm2	15.11	0.80		Stiff orange brown slightly silty sandy CLAY. Sand is fine WITTERING FORMATION			1.0	
1.00	D2		(0.50)			Stiff orange brown slightly sandy silty CLAY. Sand is fine WITTERING FORMATION				
1.50	D3	PP=2.1kg/cm2	14.61	1.30		Stiff orange brown slightly sandy silty CLAY. Sand is fine WITTERING FORMATION			1.5	
				(0.50)						
2.00	D4	PP=1.6kg/cm2	14.11	1.80		Firm to stiff orange brown slightly silty very sandy CLAY. Sand is fine WITTERING FORMATION			2.0	
				(1.10)						
2.50	D5	PP=1.4kg/cm2				Firm to stiff orange brown sandy gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint and sand is fine WITTERING FORMATION			2.5	
3.00	D6		13.01	2.90		Firm to stiff orange brown sandy gravelly CLAY. Gravel is fine to medium sub angular to sub rounded of flint and sand is fine WITTERING FORMATION			3.0	
			12.81	3.10		End of Trial Pit at 3.10m				
									3.5	
Dimensions:					Photo:					
Final Depth:	3.10m									
Final Width:	0.60m									
Final Length:	1.80m									
Remarks										
Groundwater not encountered										
Water Strikes (mbgl)										
Depth Strike	Rose to				Time Elapsed (mins)					
										
PhotoofPit					PhotoofSpoil					

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS01 Sheet 1 of 1	
Project Name: Holly Tree Farm				Project No. GE23094		Co-ords: 451290E - 114086N		Hole Type WLS	
Location: Boorley Green				Level: 17.59		Scale 1:25			
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20	17.39		Grass over brown clayey SILT TOPSOIL	
		0.40	PP	4.5kg/cm2				Very stiff brown very silty CLAY with some fmc flint gravel RIVER TERRACE DEPOSITS	
		0.50	D						
		0.60			16.99			Very stiff becoming stiff light grey amd light brown slightly fine sandy silty CLAY LONDON CLAY	
		0.80	PP	2.0kg/cm2					
		1.00	D						
		1.00	S	N=8 (2,2/2,2,2,2)					
		1.30	PP	2.0kg/cm2					
		1.50	D						
		1.80	PP	2.0kg/cm2					
		2.00	D						
		2.00	S	N=8 (2,2/2,2,2,2)					
		2.20	PP	2.0kg/cm2					
		2.50	D						
		2.70	PP	2.0kg/cm2					
		3.00	D						
	3.00	S	N=18 (4,4/5,4,4,5)						
	3.50	D							
	4.00	D			4.00	13.59		End of Borehole at 4.00m	
	4.00	S	N=22 (4,4/5,5,6,6)						

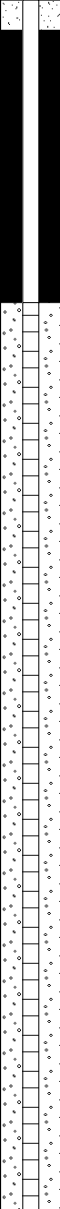
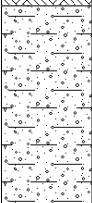
Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS02 Sheet 1 of 1			
Project Name: Holly Tree Farm				Project No. GE23094		Co-ords: 451351E - 114052N		Hole Type WLS			
Location: Boorley Green				Level: 15.88		Scale 1:25					
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR					
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					0.20	15.68		Grass over desiccated brown clayey SILT TOPSOIL			
										Brown friable clayey sandy SILT RIVER TERRACE DEPOSITS	
		0.50	D								
		0.70	PP	4.5kg/cm2							
					0.90	14.98		Brown clayey fmc flint GRAVEL RIVER TERRACE DEPOSITS		1	
		1.00	D								
		1.00	C	N=8 (1,2/2,2,2,2)							
					1.20	14.68		Stiff light brown slightly fine sandy silty to very silty CLAY RIVER TERRACE DEPOSITS		2	
		1.30	PP	3.0kg/cm2							
		1.50	D								
					1.80						
					2.00						
		2.00	D								
		2.00	S	N=32 (3,3/5,6,9,12)	2.10	13.78		Brown silty sandy fmc flint GRAVEL RIVER TERRACE DEPOSITS			
					2.50						
			2.80	13.08		Yellowish brown orange-brown and greenish grey slightly clayey silty fm SAND WITTERING FORMATION	3				
			3.00								
3.00	D										
			3.50								
			4.00								
4.00	D										
			4.00	S	N=17 (3,4/4,4,5,4)	4.00	11.88		4		
End of Borehole at 4.00m									5		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks							
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Wet from 3m bgl						
			3.00	2.70							
											
Status FINAL											

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log Borehole No. WS03 Sheet 1 of 1					
Project Name: Holly Tree Farm		Project No. GE23094		Co-ords: 451316E - 114180N		Hole Type WLS			
Location: Boorley Green				Level: 23.70		Scale 1:25			
Client: Bloor Homes Southern				Dates: 13/08/2025		Logged By GR			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	23.40		Grass over brown silty CLAY. Dry and friable TOPSOIL	
		0.50	D					Very stiff yellowish brown and light grey mottled silty to very silty CLAY LONDON CLAY FORMATION	
		0.70	PP	3.5kg/cm2					
		1.00	D					Stiff light brown yellow and brownish grey closely to extremely closely fissured silty CLAY with occasional silt partings LONDON CLAY	
		1.00	S	N=12 (2,2/3,3,3,3)	1.20	22.50			
		1.50	D						
		1.60	PP	3.0kg/cm2					
		2.00	D						
		2.00	S	N=10 (2,2/2,3,3,2)					
		2.50	D						
		2.60	PP	2.5kg/cm2					
		3.00	D						
	3.00	S	N=12 (2,2/2,3,3,4)						
	3.50	D							
	3.60	PP	2.0kg/cm2						
	4.00	D			4.00	19.70		End of Borehole at 4.00m	
	4.00	S	N=22 (4,4/4,6,6,6)						
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike						Rose To

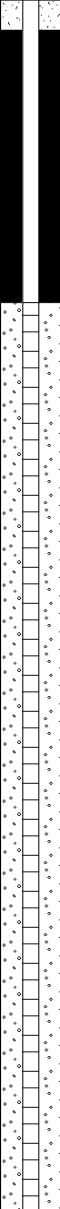
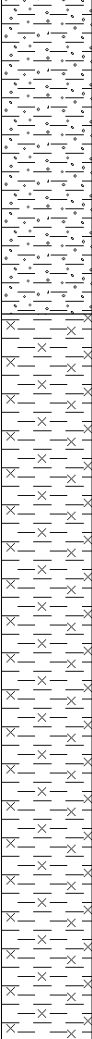


Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS04 Sheet 1 of 1				
Project Name: Holly Tree Farm		Project No. GE23094		Co-ords: 451463E - 114129N		Hole Type WLS				
Location: Boorley Green				Level: 19.87		Scale 1:25				
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.30	19.57		Light greysih brown silty SAND with some fmc flint gravel TOPSOIL	1	
		0.50	D					Light brown and orange-brown sandy clayey fmc flint GRAVEL RIVER TERRACE DEPOSITS		
	1.00	D								
		1.00	C	N=27 (5,4/5,6,8,8)	1.10	18.77			2	
		1.30	PP	2.5kg/cm2	1.40	18.47		Stiff light grey and light brown CLAY RIVER TERRACE DEPOSITS		
		1.50	D		1.70	18.17		Brown clayey fmc flint GRAVEL RIVER TERRACE DEPOSITS		
		1.80	PP	2.5kg/cm2				Stiff light brown and light grey silty to very silty CLAY WITTERING FORMATION	3	
		2.00	D							
		2.00	S	N=13 (3,3/3,3,3,4)	2.30	17.57		Light grey, orange-brown and light brown mottled clayey fine sandy SILT to clayey silty SAND WITTERING FORMATION		
		2.20	PP	2.5kg/cm2					4	
		2.50	D							
		3.00	D							
		3.00	S	N=16 (3,4/3,4,4,5)					5	
		3.50	D							
		4.00	D		4.00	15.87				
	4.00	S	N=17 (4,4/3,4,5,5)				End of Borehole at 4.00m			
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To

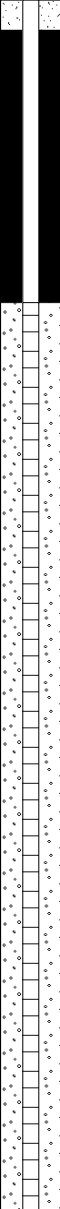
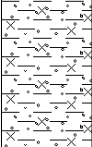
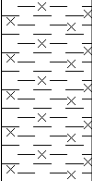
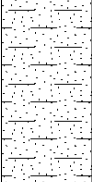

Status
FINAL

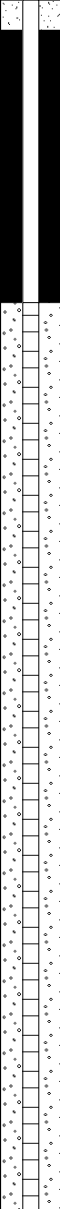
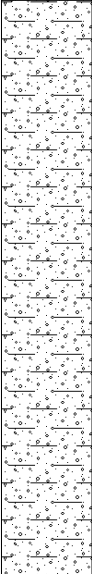
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log			Borehole No. WS05 Sheet 1 of 1	
Project Name: Holly Tree Farm		Project No. GE23094		Co-ords: 451387E - 114154N		Hole Type WLS
Location: Boorley Green				Level: 22.74		Scale 1:25
Client: Bloor Homes Southern				Dates: 13/08/2025		Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	22.44		Grass over brown silty CLAY. Dry and friable TOPSOIL	1
		0.50	D					Stiff light brown and light grey very gravelly CLAY. Gravel is fmc flint RIVER TERRACE DEPOSITS	
		1.00	D						2
		1.00	C	N=11 (8,3/2,3,3,3)					
		1.50	D						
		1.50	PP	2.5kg/cm2	1.60	21.14			
		1.80	PP	2.0kg/cm2					
		2.00	D						
		2.00	S	N=11 (2,2/2,3,3,3)					
		2.50	D						
		2.60	PP	2.0kg/cm2					
		2.90	PP	2.0kg/cm2					
		3.00	D						
		3.00	S	N=13 (3,3/3,3,3,4)					
		3.10	PP	2.0kg/cm2					
	3.50	D						3	
	3.50	PP	2.0kg/cm2						
	3.90	PP	2.0kg/cm2						
	4.00	D							
		4.00	S	N=24 (5,4/6,6,6,6)	4.00	18.74		End of Borehole at 4.00m	4
		4.00							5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

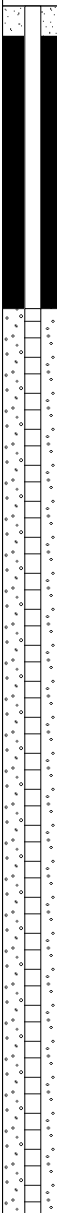

 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS06 Sheet 1 of 1				
Project Name: Holly Tree Farm		Project No. GE23094		Co-ords: 451490E - 114230N		Hole Type WLS				
Location: Boorley Green				Level: 21.15		Scale 1:25				
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.20	20.95		Stubble over brown sandy SILT with fmc flint gravel TOPSOIL		
		0.50	D					Very stiff light brown and light grey mottled silty to very silty CLAY with occasional fmc flint gravel RIVER TERRACE DEPOSITS <i>Visibly desiccated</i>		
		0.80	PP	4.5kg/cm2	0.70	20.45		Very stiff light brown and light grey mottled silty to very silty CLAY WITTERING FORMATION		
		1.00	D							
		1.00	S	N=15 (2,3/3,4,4,4)						
		1.50	D		1.60	19.55		Light brown, light grey and orange-brown mottled clayey very silty fm SAND WITTERING FORMATION		
		2.00	D							
		2.00	S	N=20 (3,4/4,5,5,6)						
		2.50	D							
		3.00	D							
	3.00	S	N=24 (3,6/6,6,6,6)							
		3.50	D							
		4.00	D		4.00	17.15				
		4.00	S	N=23 (5,5/5,6,6,6)				End of Borehole at 4.00m		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
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. WS07 Sheet 1 of 1	
Project Name: Holly Tree Farm				Project No. GE23094		Co-ords: 451614E - 114192N		Hole Type WLS	
Location: Boorley Green				Level: 15.37		Scale 1:25			
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.30	15.07		Brown silty SAND TOPSOIL	1
		0.50	D					Brown silty clayey SAND with rare fm flint gravel RIVER TERRACE DEPOSITS	
		1.00	D		2.10	13.27		Becoming firm fine sandy clayey SILT (PP 1.0 at 1.8m bgl) Brown slightly clayey sandy fmc flint GRAVEL RIVER TERRACE DEPOSITS	2
		1.00	S	N=16 (3,4/4,4,4,4)					
		1.50	D						
		2.00	D		4.00	11.37		End of Borehole at 4.00m	4
		2.00	S	N=4 (1,1/1,1,1,1)					
		3.00	C	N=10 (2,2/2,3,2,3)					
		3.50	D						5
		4.00	C	N=17 (4,4/4,4,5,4)					
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Unstable and poor recovery from c. 2m bgl				

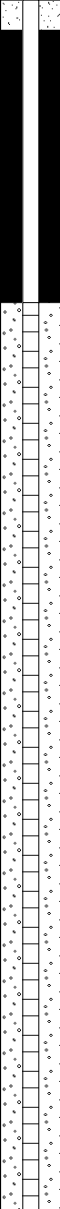
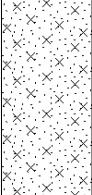
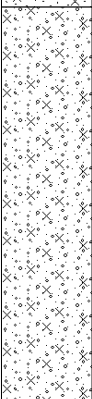
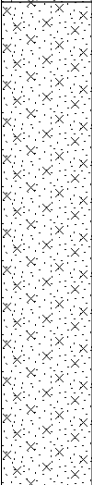

Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log			Borehole No. WS08 Sheet 1 of 1	
Project Name: Holly Tree Farm		Project No. GE23094		Co-ords: 451643E - 114237N		Hole Type WLS
Location: Boorley Green				Level: 14.38		Scale 1:25
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES				Grass over brown silty SAND TOPSOIL		
					0.30	14.08			
		0.50	D		0.60	13.78		Brown slightly clayey silty SAND RIVER TERRACE DEPOSITS	
		1.00	D						
		1.00	C	N=11 (2,2/3,3,2,3)					1
		1.50	D						
		2.00	D						
		2.00	C	N=15 (2,3/3,4,4,4)					2
		2.50	D						
		2.80	D		2.70	11.68		Stiff light brown sandy CLAY WITTERING FORMATION	
	2.80	PP	1.5kg/cm2	2.90	11.48				
	3.00	D							
	3.00	S	N=23 (4,5/5,6,6,6)				Light brown to light greenish brown silty SAND WITTERING FORMATION	3	
	3.50	D							
	4.00	D		4.00	10.38				
	4.00	S	N=17 (4,5/5,4,4,4)						
							End of Borehole at 4.00m	4	
								5	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Wet at c. 3m bgl

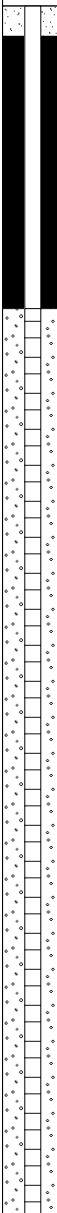
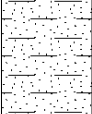
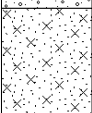
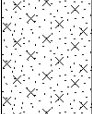

 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log Borehole No. WS09 Sheet 1 of 1						
Project Name: Holly Tree Farm		Project No. GE23094		Co-ords: 451641E - 114287N		Hole Type WLS				
Location: Boorley Green				Level: 14.32		Scale 1:25				
Client: Bloor Homes Southern				Dates: 11/08/2025		Logged By GR				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.10	ES	N=47 (12,12/13,15,10,9)	0.10	14.22	 Grass over brown silty SAND TOPSOIL	 Brown slightly clayey silty SAND RIVER TERRACE DEPOSITS	1	
		0.40	ES							
		0.50	D							
		1.00	D	N=16 (4,4/4,3,4,5)	0.80	13.52	 Light brown silty sandy fmc flint GRAVEL RIVER TERRACE DEPOSITS	2		
		1.00	C							
		1.50	D							
		2.00	D	N=19 (3,4/3,4,6,6)	2.10	12.22	 Yellow silty SAND RIVER TERRACE DEPOSITS	3		
		2.00	C							
	2.50	D								
	3.00	D	N=20 (3,3/4,5,5,6)	2.40	11.92	 Greenish grey silty fm SAND WITTERING FORMATION	4			
	3.00	S								
	3.50	D								
	4.00	D		4.00	10.32		End of Borehole at 4.00m	5		
	4.00	S								

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
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. WS10 Sheet 1 of 1		
Project Name: Holly Tree Farm				Project No. GE23094		Co-ords: 451593E - 114276N		Hole Type WLS		
Location: Boorley Green				Level: 15.51		Scale 1:25				
Client: Bloor Homes Southern				Dates: 12/08/2025		Logged By GR				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.10	ES		0.20	15.31		Grey silty SAND with much limestone gravel and occasional plastic and metal MADE GROUND Brown silty clayey SAND RIVER TERRACE DEPOSITS	1	
	0.40	ES								
	0.50	D								
			1.00	D	N=11 (1,1/2,2,3,4)	1.40	14.11		Brown clayey sandy fmc flint GRAVEL RIVER TERRACE DEPOSITS	2
	1.00	S								
			1.50	D		2.90	12.61		Yellowish brown grading to greenish grey silty fm SAND WITTERING FORMATION	3
	2.00	D								
	2.00	C								
			2.50	D		4.00	11.51		End of Borehole at 4.00m	4
3.00	D									
3.00	S									
		3.50	D	N=22 (3,3/4,6,6,6)						
4.00	D									
4.00	S									
				N=13 (3,3/3,3,3,4)					5	
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To
				 Status FINAL						

APPENDIX C

Geotechnical Laboratory Results





Summary of Water Content, Liquid Limit (4 point) and Plastic Limit Results

Job No. 37772	Project Name Holly Tree Farm	Programme	
		Samples received	19/08/2025
		Schedule received	20/08/2025
Project No. GE23094	Client GESL	Project started	20/08/2025
		Testing Started	16/09/2025

Hole No.	Sample				Soil Description	Water Content %	Passing 425µm %	Preparation	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type								
BH02	2	1.20	-	B	Light grey mottled brown and reddish brown slightly gravelly silty CLAY with sandy patches (gravel is fmc and sub-rounded to sub-angular)	28.3	95	Tested after >425µm removed by hand	98	32	66	
BH03	3	1.20	-	D	Light grey mottled orangish brown silty CLAY	34.3	100	Tested in natural condition	83	32	51	
BH03	7	4.00	-	D	Grey silty CLAY with orangish brown sandy patches	38.4	100	Tested in natural condition	84	45	39	
BH03	11	6.00	-	D	Grey silty CLAY with light grey sandy patches	34.8	100	Tested in natural condition	74	32	42	
SA02	1	0.50	-	D	Greyish brown and orangish brown mottled silty CLAY with sandy patches and rare fine sub-angular gravel	21.4	99	Tested after >425µm removed by hand	72	26	46	
SA03	2	1.00	-	D	Light grey and orangish brown mottled silty CLAY with sandy patches and rare fine sub-angular gravel	36.9	99	Tested after >425µm removed by hand	94	35	59	
SA04	1	0.50	-	D	Brown sandy silty CLAY with fine rootlets and rare fine sub-angular gravel	14.6	99	Tested after >425µm removed by hand	46	20	26	
TP01	2	1.00	-	D	Brown and orangish brown mottled slightly sandy silty CLAY with rare fine sub-angular gravel	22.2	99	Tested after >425µm removed by hand	69	26	43	
TP03	3	1.50	-	D	Brown, grey and orangish brown mottled silty CLAY with sandy patches	43.8	100	Tested in natural condition	93	46	47	
TP04	1	0.50	-	D	Grey mottled brown and orangish brown silty CLAY with rare fine sub-angular gravel	34.9	99	Tested after >425µm removed by hand	109	37	72	
TP06	3	1.50	-	D	Light grey mottled orangish brown silty CLAY with sandy patches	32.3	100	Tested in natural condition	89	29	60	

80g/300 cone used unless otherwise stated.

 UKAS TESTING	Test Methods: BS EN ISO 17892 Part 1: 2014+A1:2022 Water content Part 12: 2018+A2:2022 Liquid & plastic limit These results only apply to the items tested 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: 19/09/2025
	2519	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)	



Summary of Water Content, Liquid Limit (4 point) and Plastic Limit Results

Job No. 37772	Project Name Holly Tree Farm	Programme	
		Samples received	19/08/2025
		Schedule received	20/08/2025
Project No. GE23094	Client GESL	Project started	20/08/2025
		Testing Started	16/09/2025

Hole No.	Sample				Soil Description	Water Content %	Passing 425µm %	Preparation	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type								
TP08	2	1.00	-	D	Brown mottled grey slightly sandy silty CLAY	30.7	100	Tested in natural condition	75	33	42	
TP10	3	1.50	-	D	Light grey mottled orangish brown silty CLAY	39.6	100	Tested in natural condition	94	35	59	
TP11	2	1.00	-	D	Light grey mottled orangish brown silty CLAY with sandy patches	31.2	100	Tested in natural condition	87	30	57	
TP13	1	0.50	-	D	Brown sandy silty CLAY with rare fine sub-angular gravel	13.9	99	Tested after >425µm removed by hand	45	18	27	
TP14	2	1.00	-	D	Brown slightly gravelly very sandy silty CLAY (gravel is fmc and angular to sub-angular flint)	11.1	82	Tested after washing to remove >425µm	32	13	19	
TP15	1	0.50	-	D	Brown slightly gravelly sandy silty CLAY (gravel is fm and angular to sub-rounded)	9.2	88	Tested after >425µm removed by hand	32	14	18	
TP16	1	0.50	-	D	Brown with orangish brown stains slightly sandy slightly gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)	14.2	73	Tested after washing to remove >425µm	52	17	35	
TP17	2	1.00	-	D	Brown slightly sandy very gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)	7.8	25	Tested after washing to remove >425µm	47	18	29	
WS01	2	1.00	-	D	Light grey mottled orangish brown silty CLAY	34.5	100	Tested in natural condition	93	33	60	
WS03	1	0.50	-	D	Grey and orangish brown mottled silty CLAY with sandy patches	39.5	100	Tested in natural condition	111	39	72	
WS05	2	1.00	-	D	Brown and grey mottled slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)	13.1	53	Tested after washing to remove >425µm	50	16	34	

80g/300 cone used unless otherwise stated.

 UKAS TESTING	Test Methods: BS EN ISO 17892 Part 1: 2014+A1:2022 Water content Part 12: 2018+A2:2022 Liquid & plastic limit These results only apply to the items tested 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: 19/09/2025
	2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		



Summary of Water Content, Liquid Limit (4 point) and Plastic Limit Results

Job No.	Project Name	Programme	
37772	Holly Tree Farm	Samples received	19/08/2025
		Schedule received	20/08/2025
Project No.	Client	Project started	20/08/2025
GE23094	GESL	Testing Started	16/09/2025

[illegible]

80g/300 cone used unless otherwise stated.



Test Methods: BS EN ISO 17892
Part 1: 2014+A1:2022 Water content
Part 12: 2018+A2:2022 Liquid & plastic limit

These results only apply to the items tested
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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: 19/09/2025

2519

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



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

BH02

Site Name

Holly Tree Farm

Sample No.

2

Project No.

GE23094

Client

GESL

Depth Top

1.20

m

Depth Base

-

m

Sample Type

B

Soil Description

Light grey mottled brown and reddish brown slightly gravelly silty CLAY with sandy patches (gravel is fmc and sub-rounded to sub-angular)

Samples received

19/08/2025

Schedules received

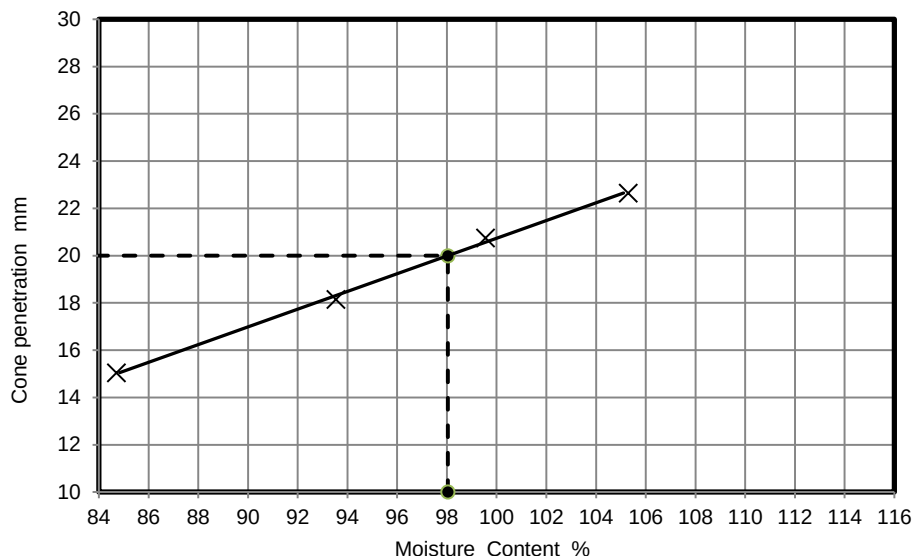
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

28.3

%

% PASSING 425µm SIEVE

95

%

LIQUID LIMIT

98

%

PLASTIC LIMIT

32

%

PLASTICITY INDEX

66

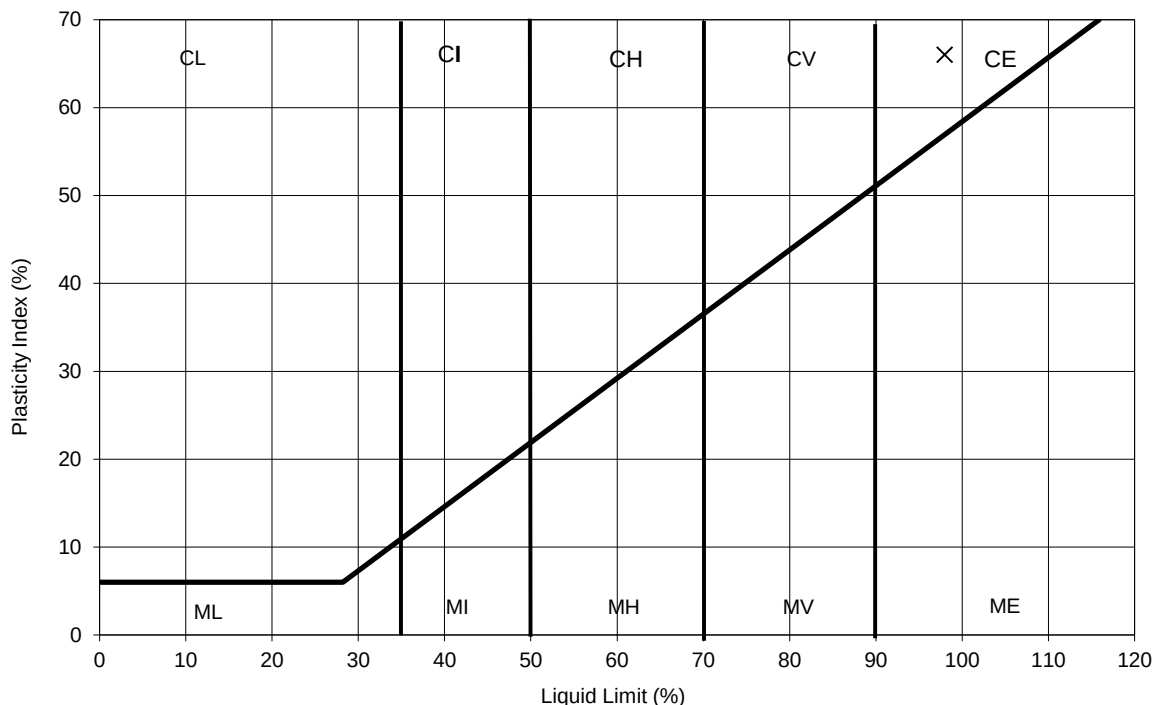
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

BH03

Site Name

Holly Tree Farm

Sample No.

3

Project No.

GE23094

Client

GESL

Depth Top

1.20

m

Depth Base

-

m

Sample Type

D

Soil Description

Light grey mottled orangish brown silty CLAY

Samples received

19/08/2025

Schedules received

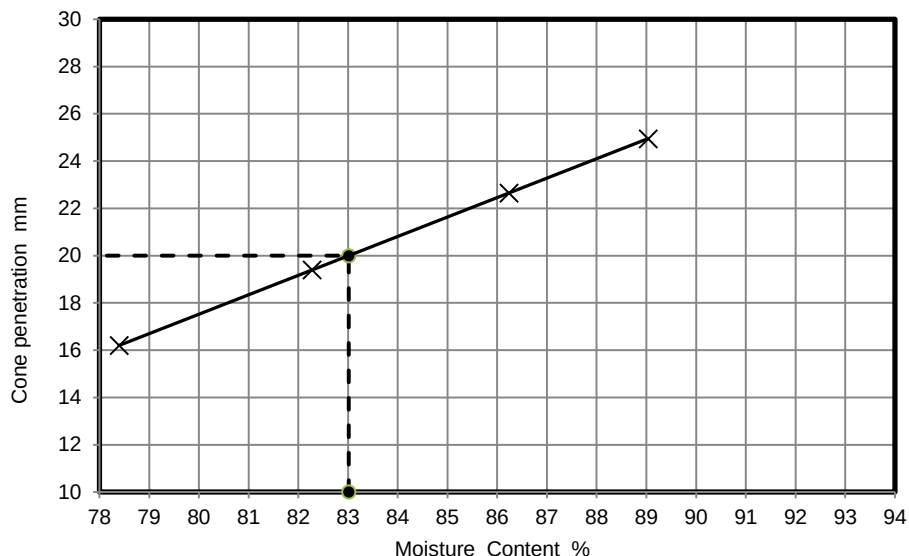
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

34.3

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

83

%

PLASTIC LIMIT

32

%

PLASTICITY INDEX

51

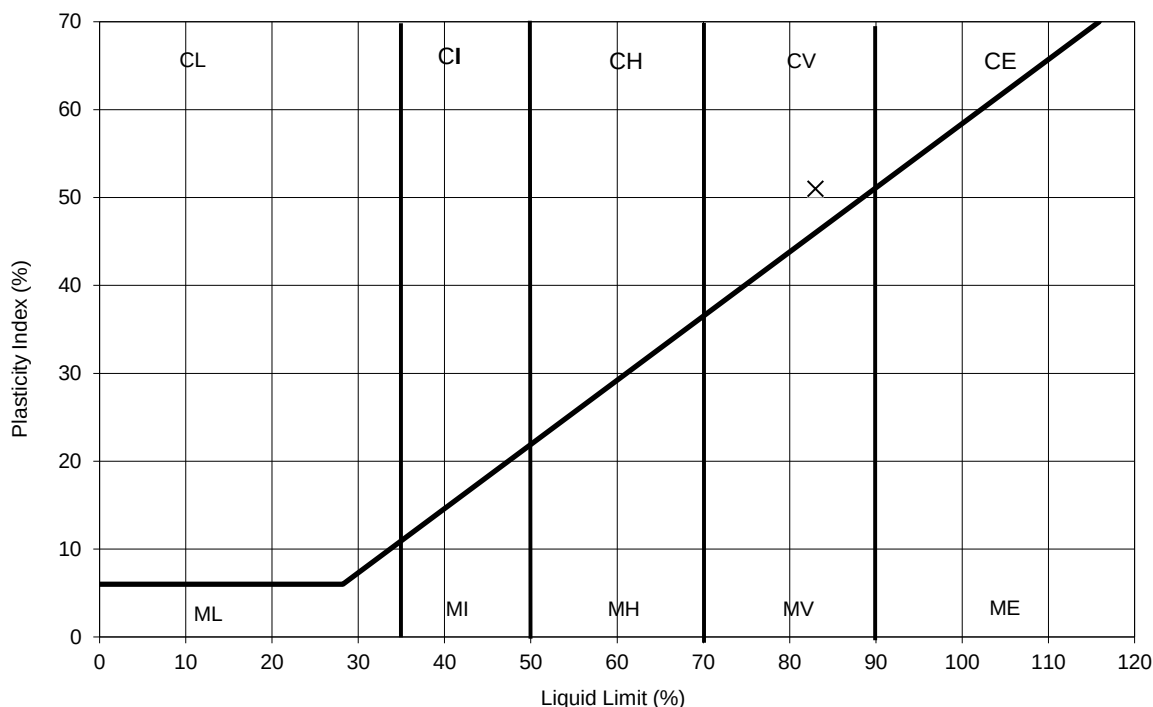
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

BH03

Site Name

Holly Tree Farm

Sample No.

7

Project No.

GE23094

Client

GESL

Depth Top

4.00

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

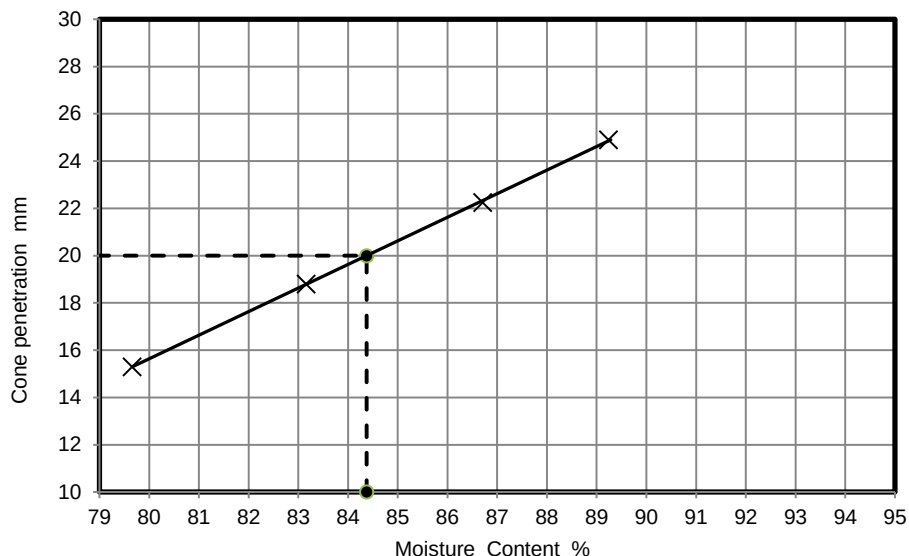
20/08/2025

Date Tested

17/09/2025

Soil Description

Grey silty CLAY with orangish brown sandy patches



WATER CONTENT

38.4

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

84

%

PLASTIC LIMIT

45

%

PLASTICITY INDEX

39

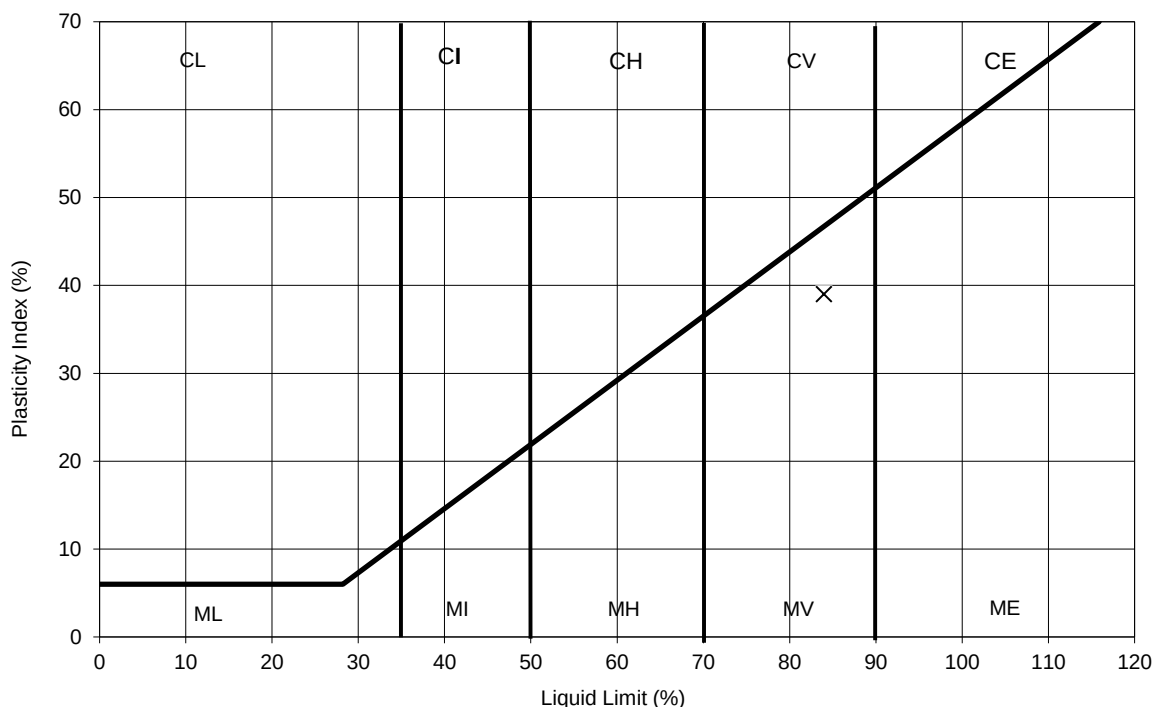
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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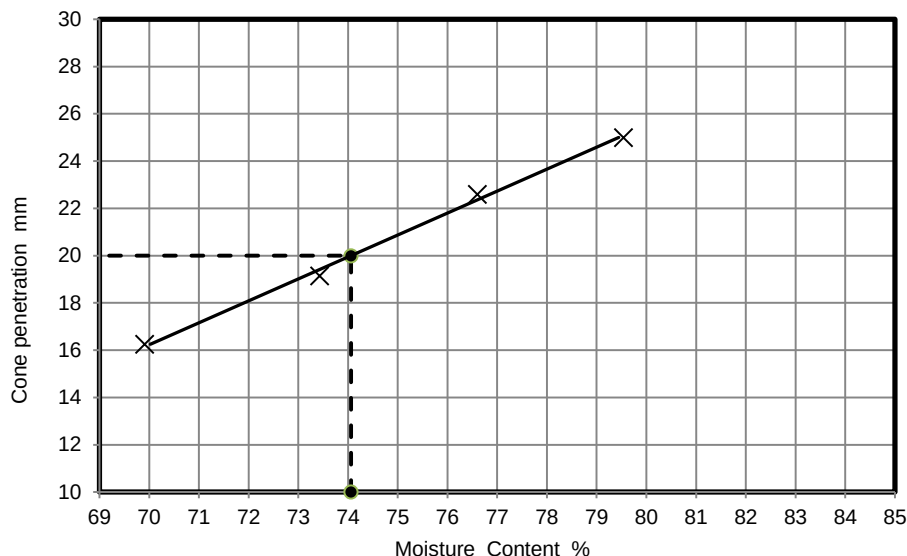
MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	BH03
Sample No.	11
Depth Top	6.00 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	17/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Grey silty CLAY with light grey sandy patches		

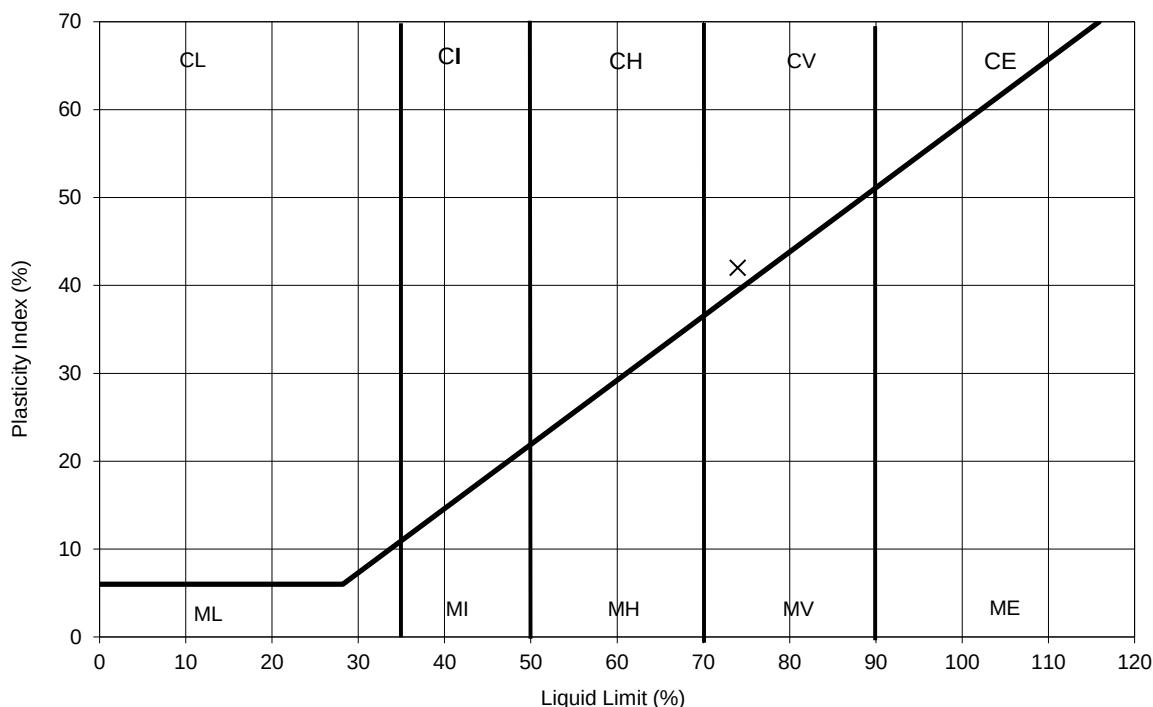


WATER CONTENT	34.8	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	74	%
PLASTIC LIMIT	32	%
PLASTICITY INDEX	42	%

Preparation Method	Tested in natural condition
--------------------	-----------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 + A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P

Date: 19/09/2025

MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

SA02

Site Name

Holly Tree Farm

Sample No.

1

Project No.

GE23094

Client

GESL

Depth Top

0.50

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

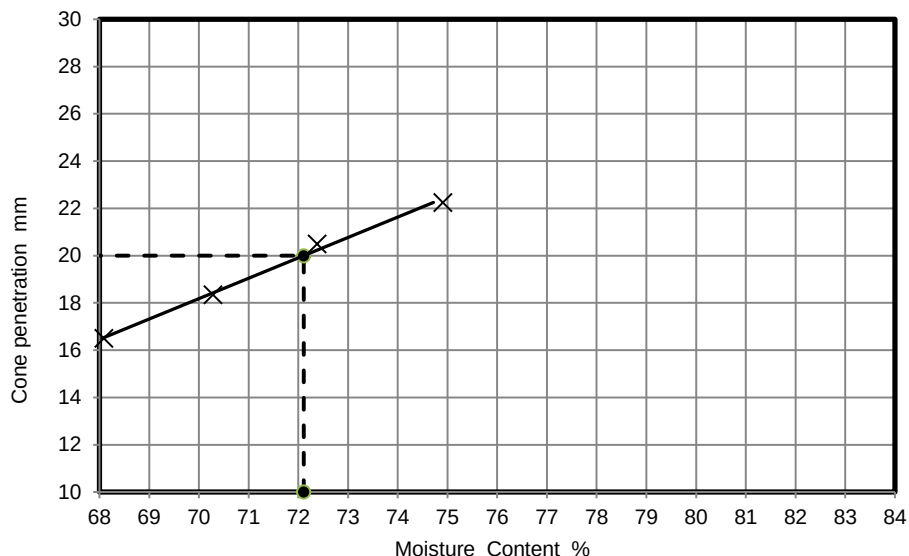
20/08/2025

Date Tested

17/09/2025

Soil Description

Greyish brown and orangish brown mottled silty CLAY with sandy patches and rare fine sub-angular gravel



WATER CONTENT

21.4

%

% PASSING 425µm SIEVE

99

%

LIQUID LIMIT

72

%

PLASTIC LIMIT

26

%

PLASTICITY INDEX

46

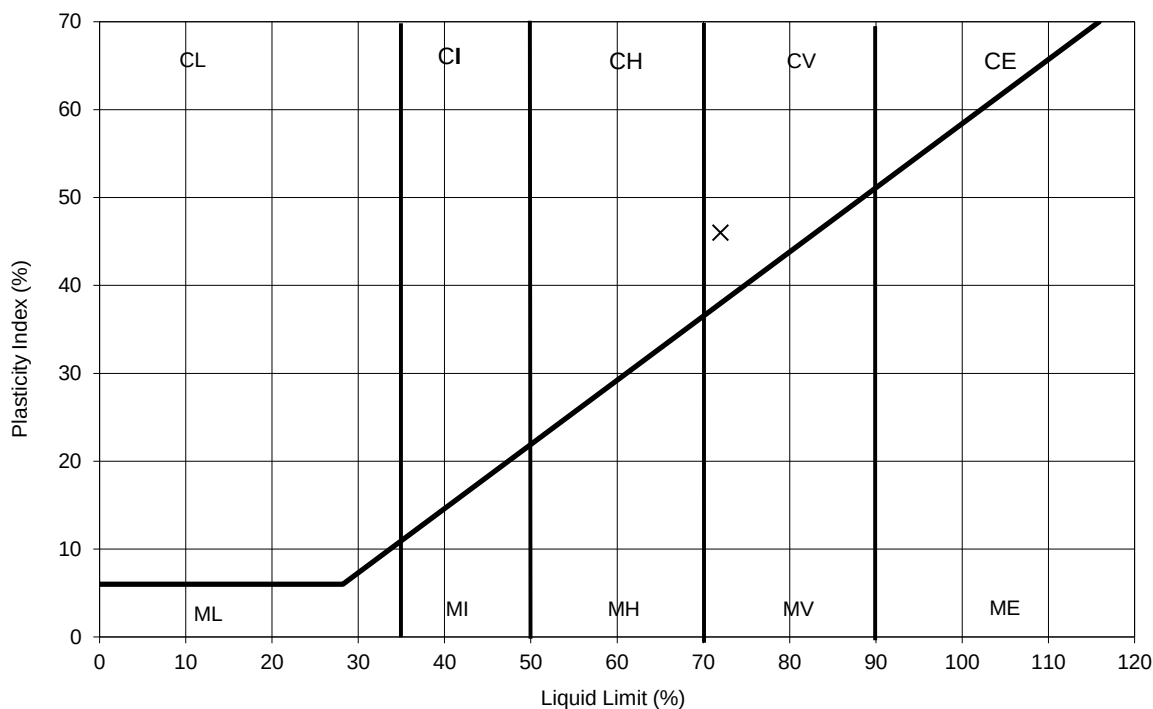
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

SA03

Site Name

Holly Tree Farm

Sample No.

2

Project No.

GE23094

Client

GESL

Depth Top

1.00

m

Depth Base

-

m

Sample Type

D

Soil Description

Light grey and orangish brown mottled silty CLAY with sandy patches and rare fine sub-angular gravel

Samples received

19/08/2025

Schedules received

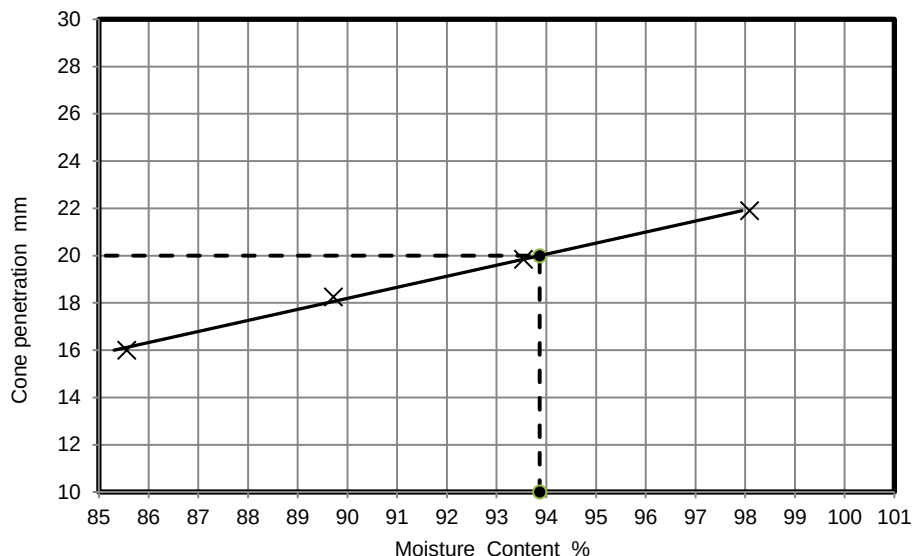
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

36.9

%

% PASSING 425µm SIEVE

99

%

LIQUID LIMIT

94

%

PLASTIC LIMIT

35

%

PLASTICITY INDEX

59

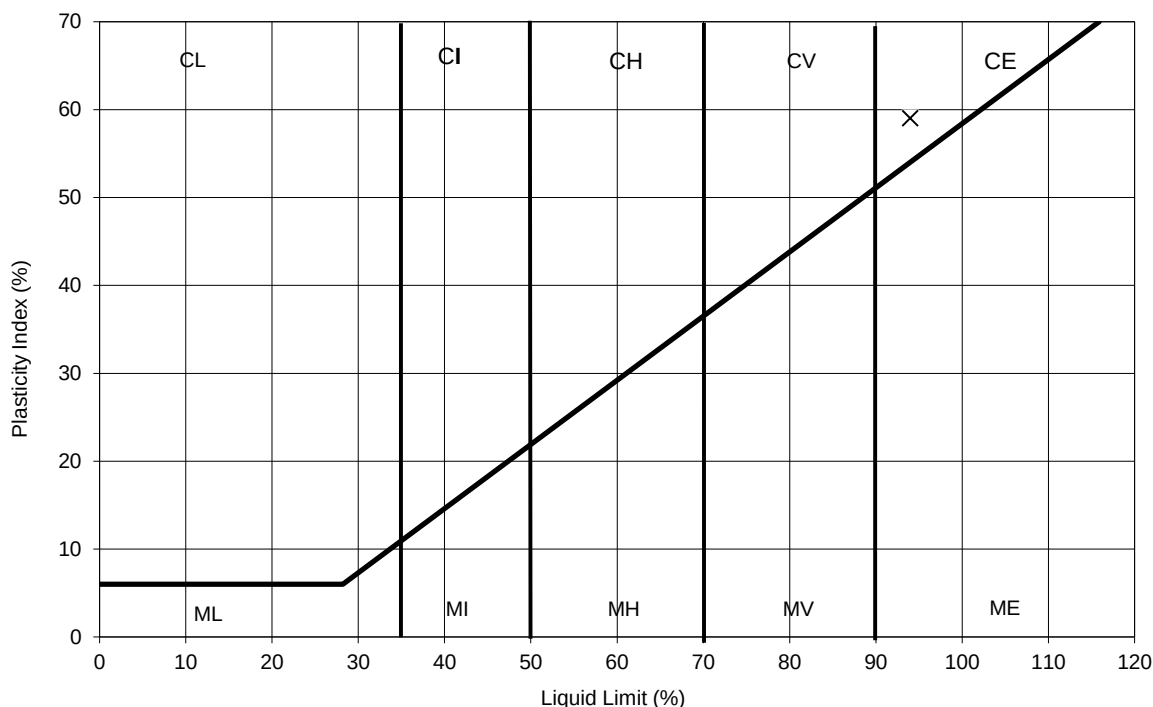
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P

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MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

SA04

Site Name

Holly Tree Farm

Sample No.

1

Project No.

GE23094

Client

GESL

Depth Top

0.50

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

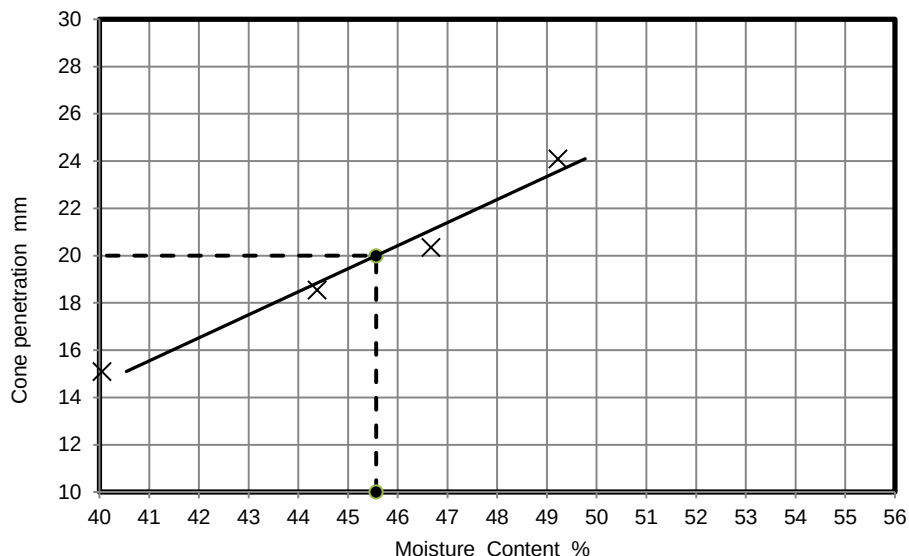
20/08/2025

Date Tested

17/09/2025

Soil Description

Brown sandy silty CLAY with fine rootlets and rare fine sub-angular gravel



WATER CONTENT

14.6

%

% PASSING 425µm SIEVE

99

%

LIQUID LIMIT

46

%

PLASTIC LIMIT

20

%

PLASTICITY INDEX

26

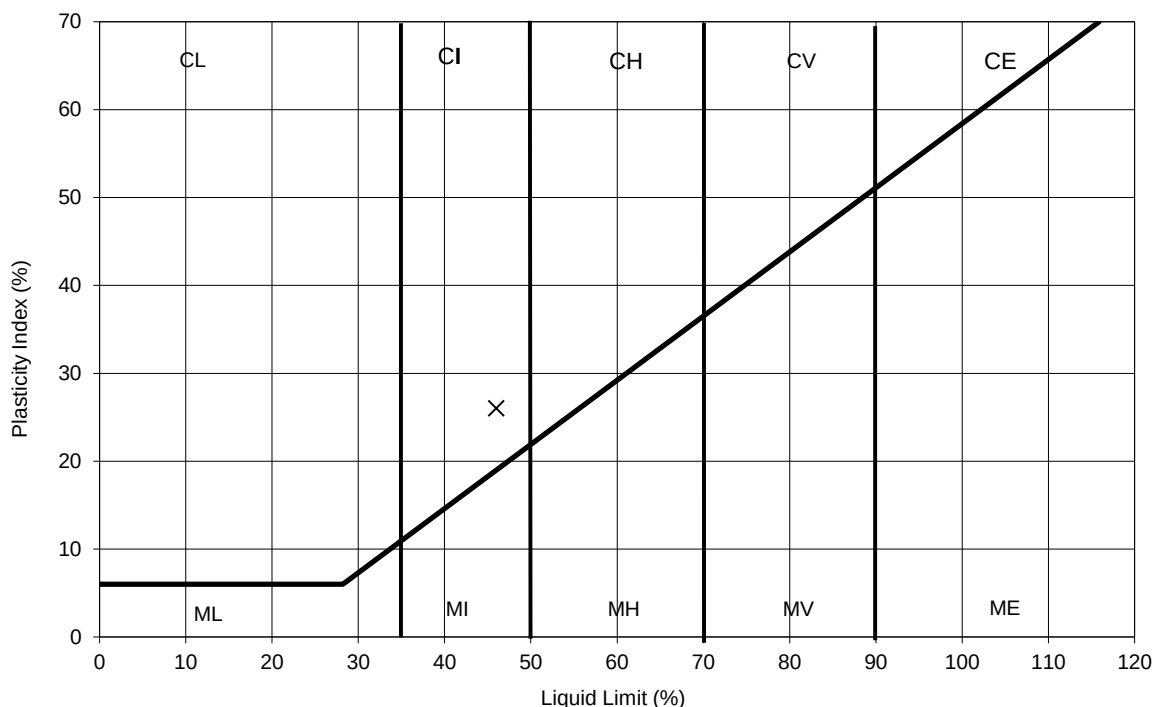
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P

Date: 19/09/2025

MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP01

Site Name

Holly Tree Farm

Sample No.

2

Project No.

GE23094

Client

GESL

Depth Top

1.00

m

Depth Base

-

m

Sample Type

D

Soil Description

Brown and orangish brown mottled slightly sandy silty CLAY with rare fine sub-angular gravel

Samples received

19/08/2025

Schedules received

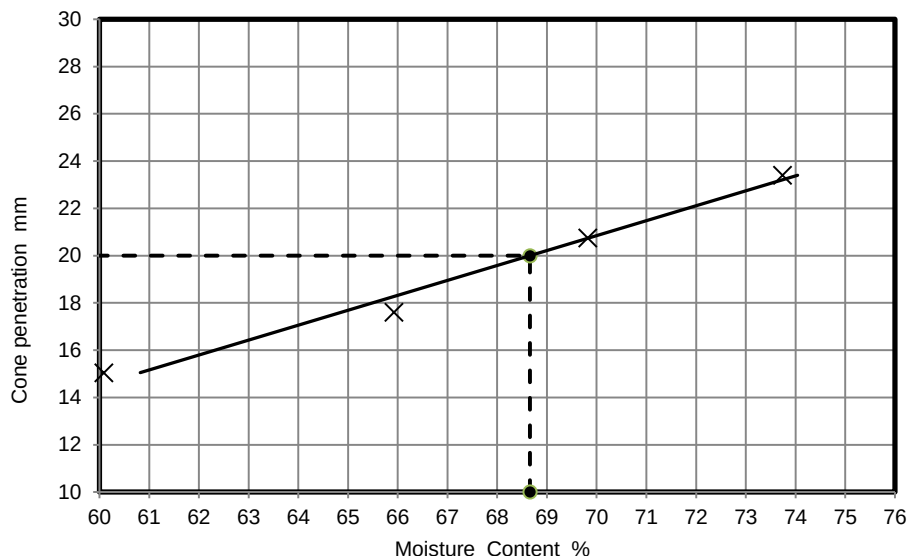
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

22.2

%

% PASSING 425µm SIEVE

99

%

LIQUID LIMIT

69

%

PLASTIC LIMIT

26

%

PLASTICITY INDEX

43

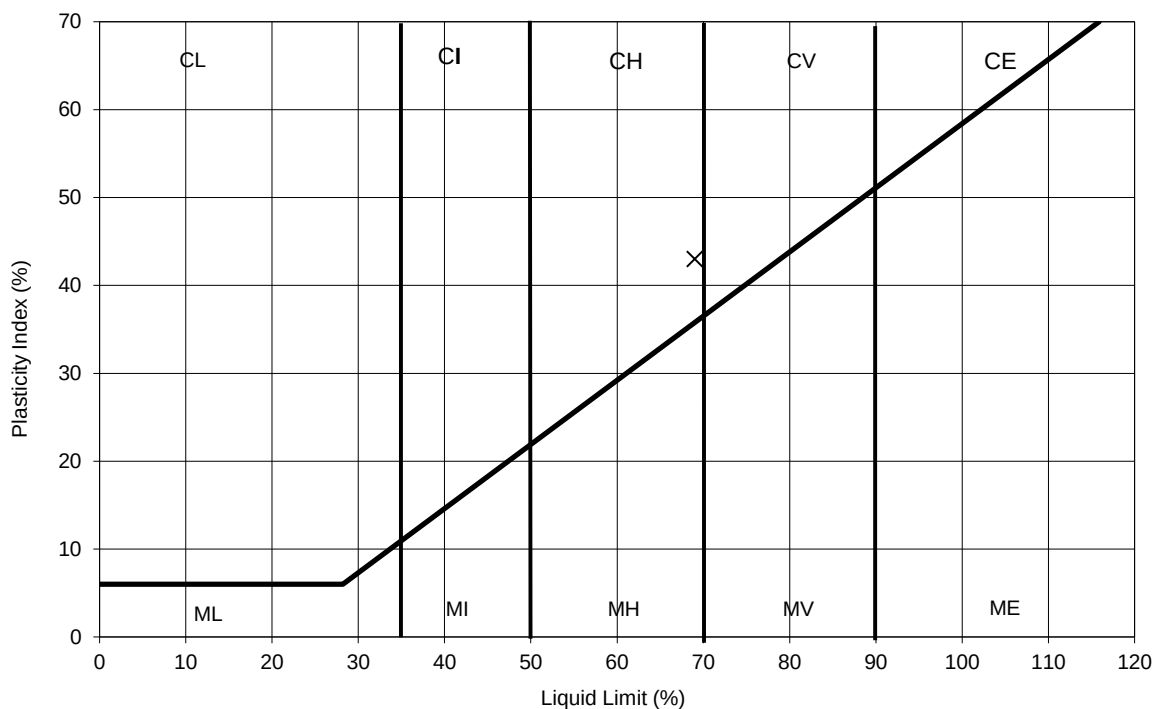
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP03

Site Name

Holly Tree Farm

Sample No.

3

Project No.

GE23094

Client

GESL

Depth Top

1.50

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

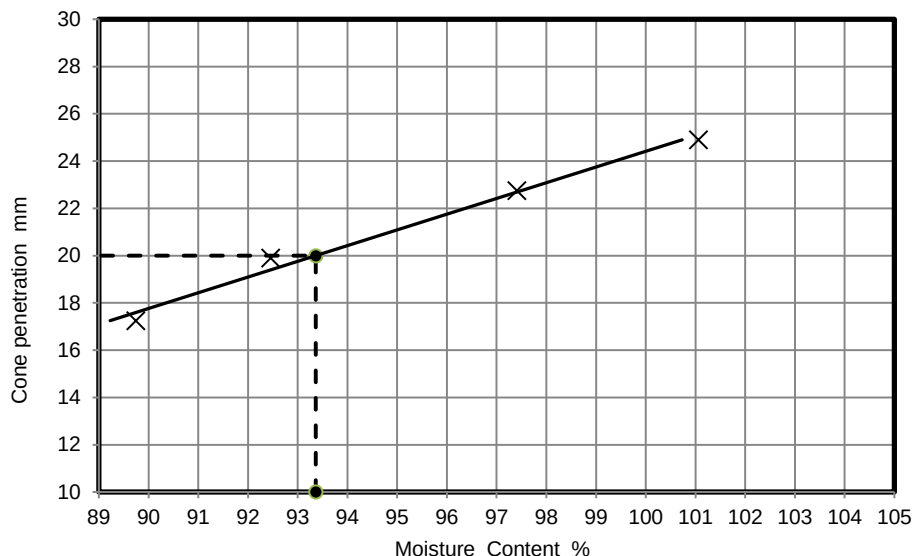
20/08/2025

Date Tested

17/09/2025

Soil Description

Brown, grey and orangish brown mottled silty CLAY with sandy patches



WATER CONTENT

43.8

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

93

%

PLASTIC LIMIT

46

%

PLASTICITY INDEX

47

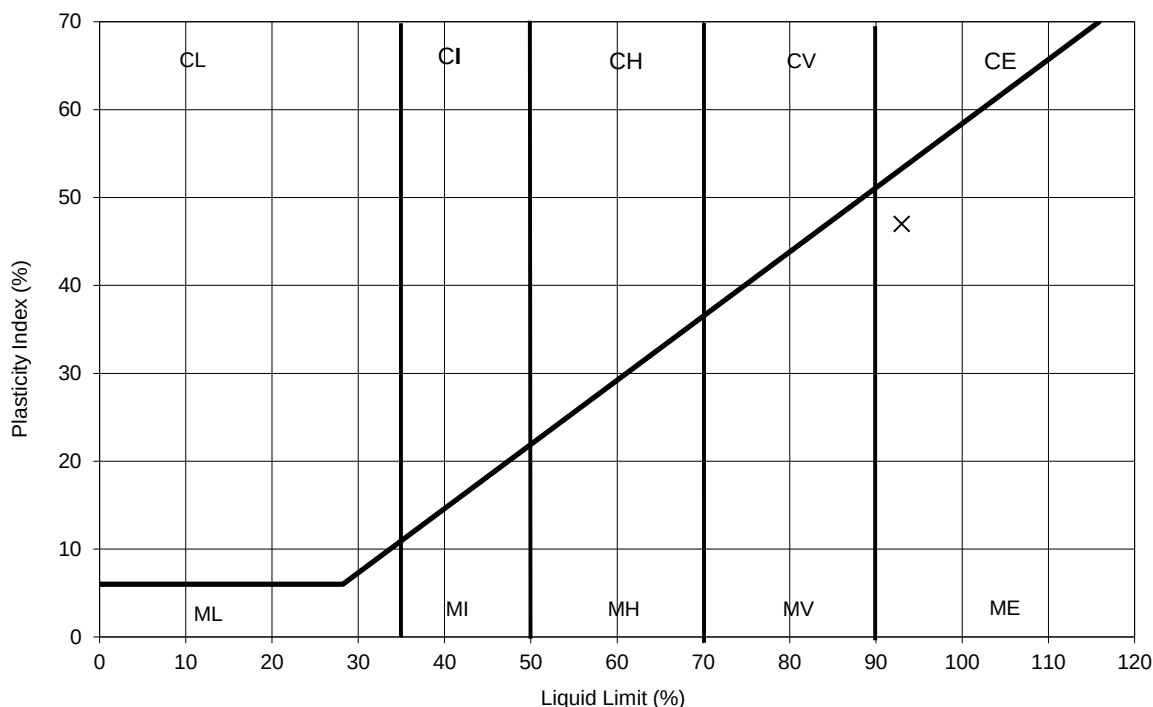
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP04

Site Name

Holly Tree Farm

Sample No.

1

Project No.

GE23094

Client

GESL

Depth Top

0.50

m

Depth Base

-

m

Sample Type

D

Soil Description

Grey mottled brown and orangish brown silty CLAY with rare fine sub-angular gravel

Samples received

19/08/2025

Schedules received

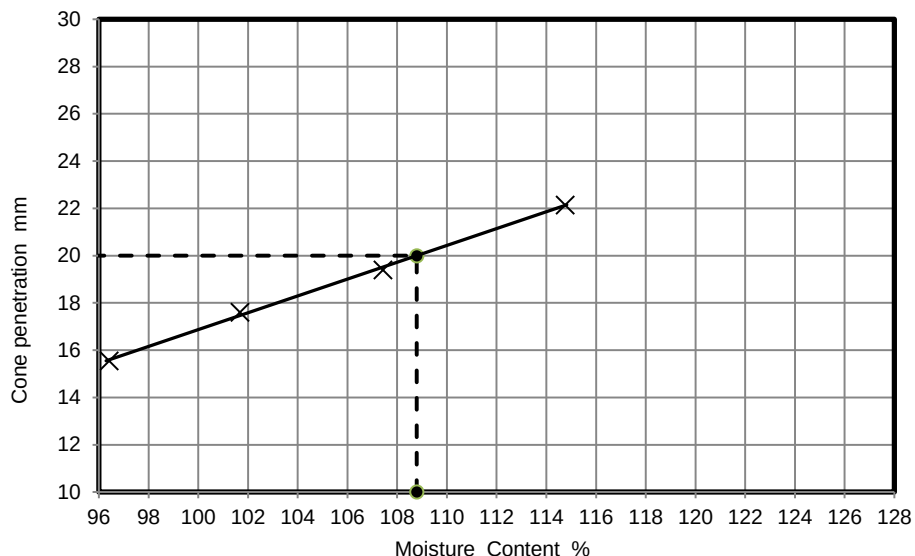
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

34.9

%

% PASSING 425µm SIEVE

99

%

LIQUID LIMIT

109

%

PLASTIC LIMIT

37

%

PLASTICITY INDEX

72

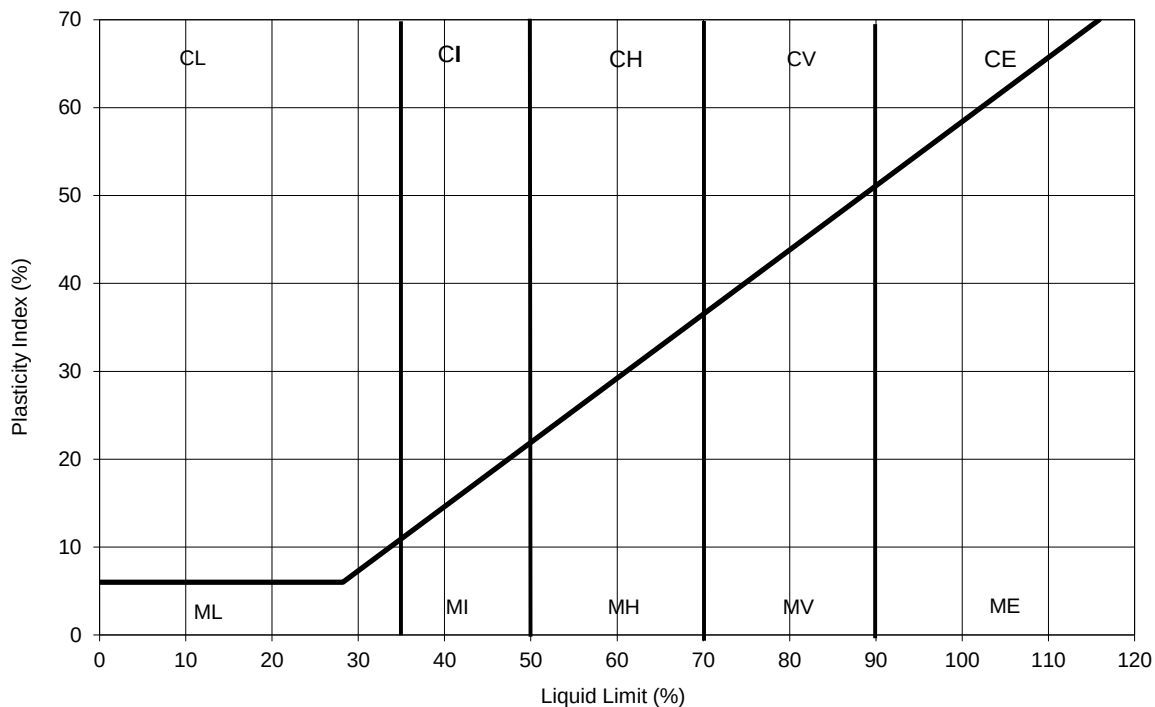
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP06

Site Name

Holly Tree Farm

Sample No.

3

Project No.

GE23094

Client

GESL

Depth Top

1.50

m

Depth Base

-

m

Sample Type

D

Soil Description

Light grey mottled orangish brown silty CLAY with sandy patches

Samples received

19/08/2025

Schedules received

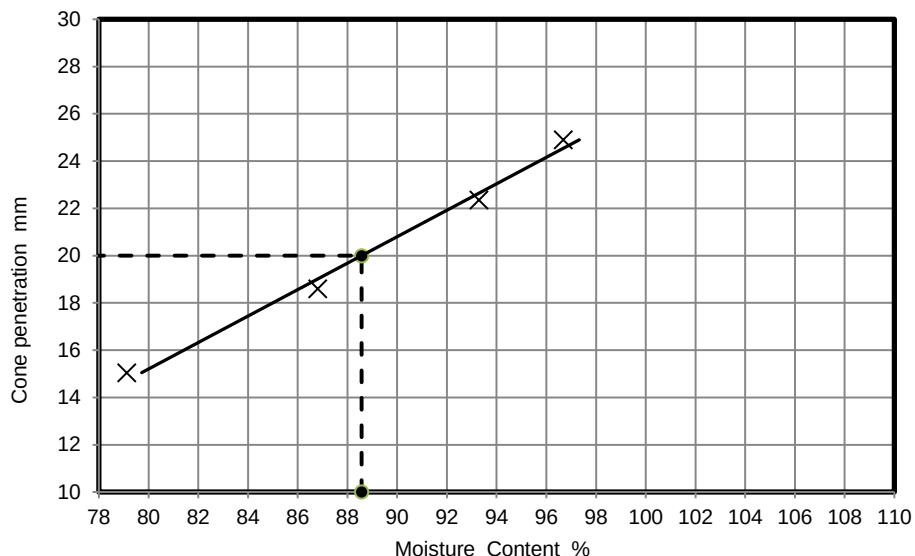
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

32.3

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

89

%

PLASTIC LIMIT

29

%

PLASTICITY INDEX

60

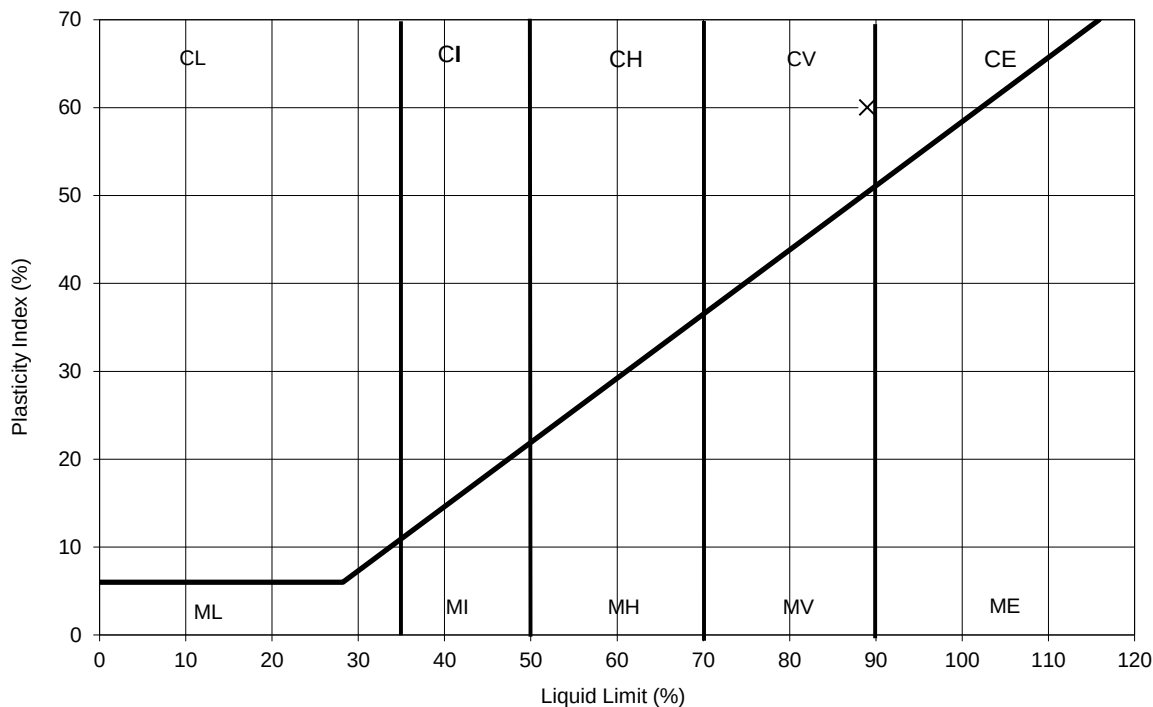
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP08

Site Name

Holly Tree Farm

Sample No.

2

Project No.

GE23094

Client

GESL

Depth Top

1.00

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

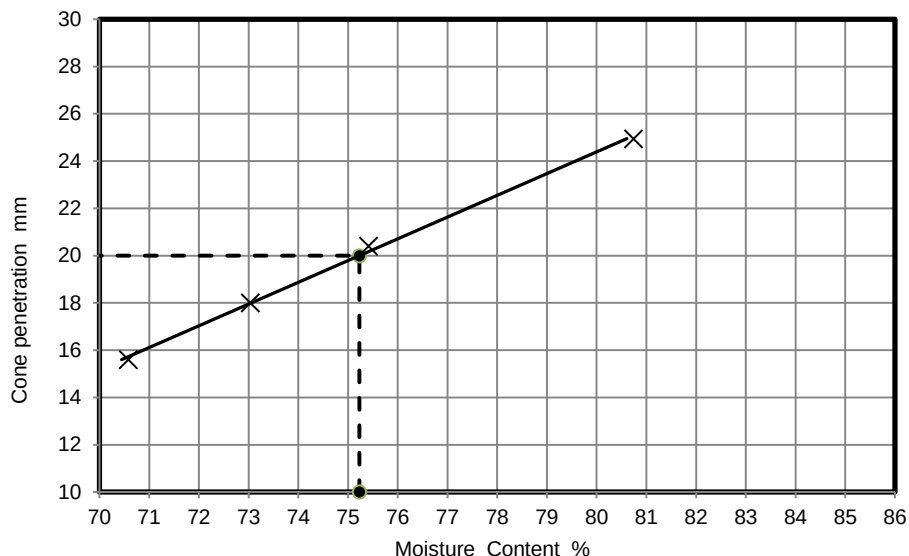
20/08/2025

Date Tested

17/09/2025

Soil Description

Brown mottled grey slightly sandy silty CLAY



WATER CONTENT

30.7

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

75

%

PLASTIC LIMIT

33

%

PLASTICITY INDEX

42

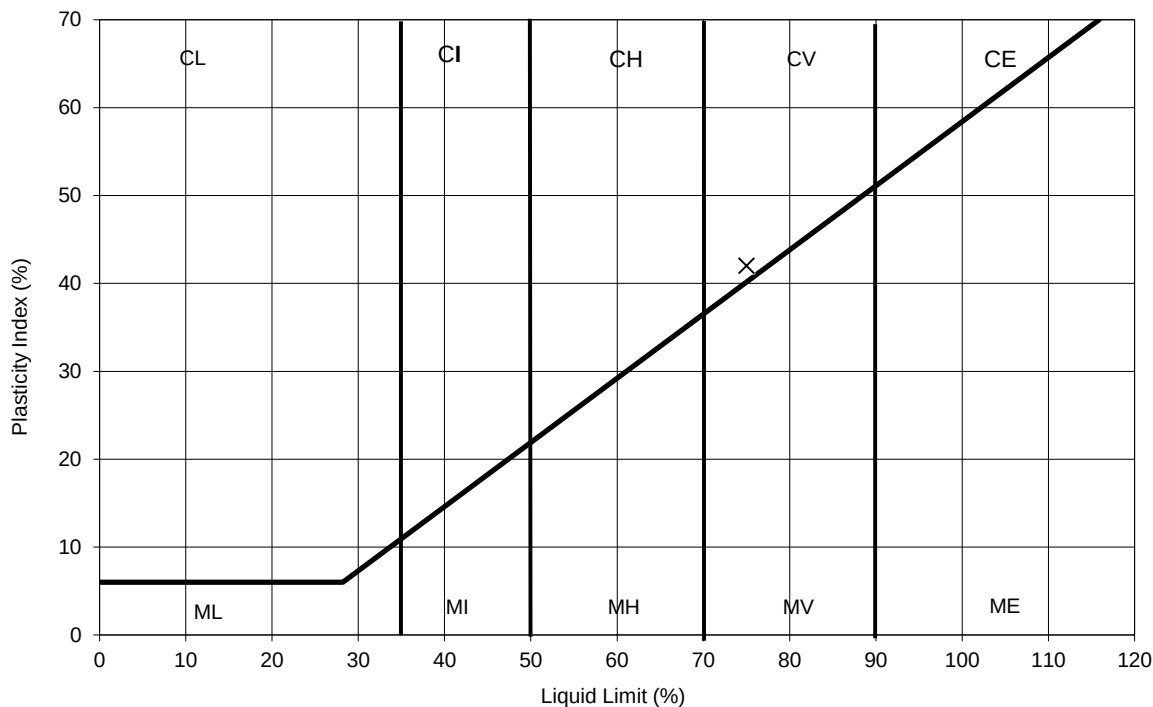
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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

Checked and Approved

Initials: J.P

Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP10

Site Name

Holly Tree Farm

Sample No.

3

Project No.

GE23094

Client

GESL

Depth Top

1.50

m

Depth Base

-

m

Sample Type

D

Soil Description

Light grey mottled orangish brown silty CLAY

Samples received

19/08/2025

Schedules received

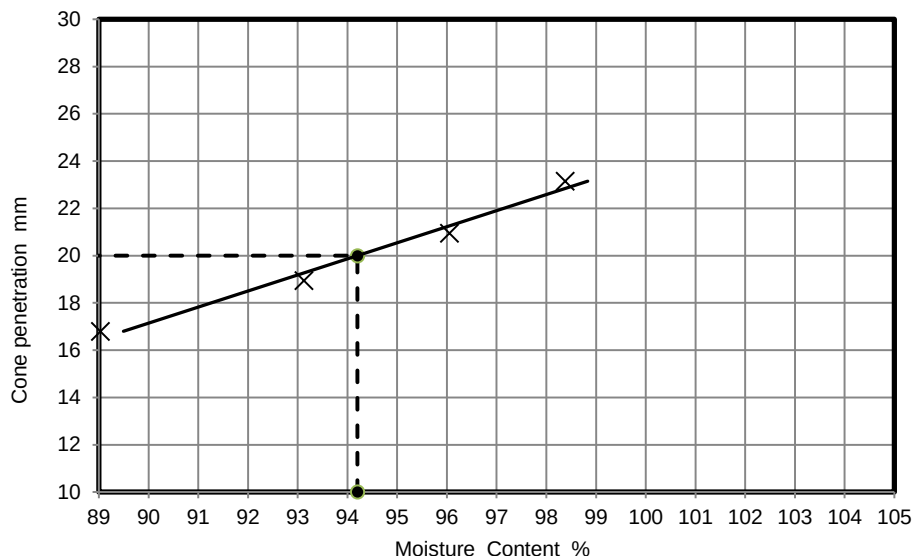
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

39.6

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

94

%

PLASTIC LIMIT

35

%

PLASTICITY INDEX

59

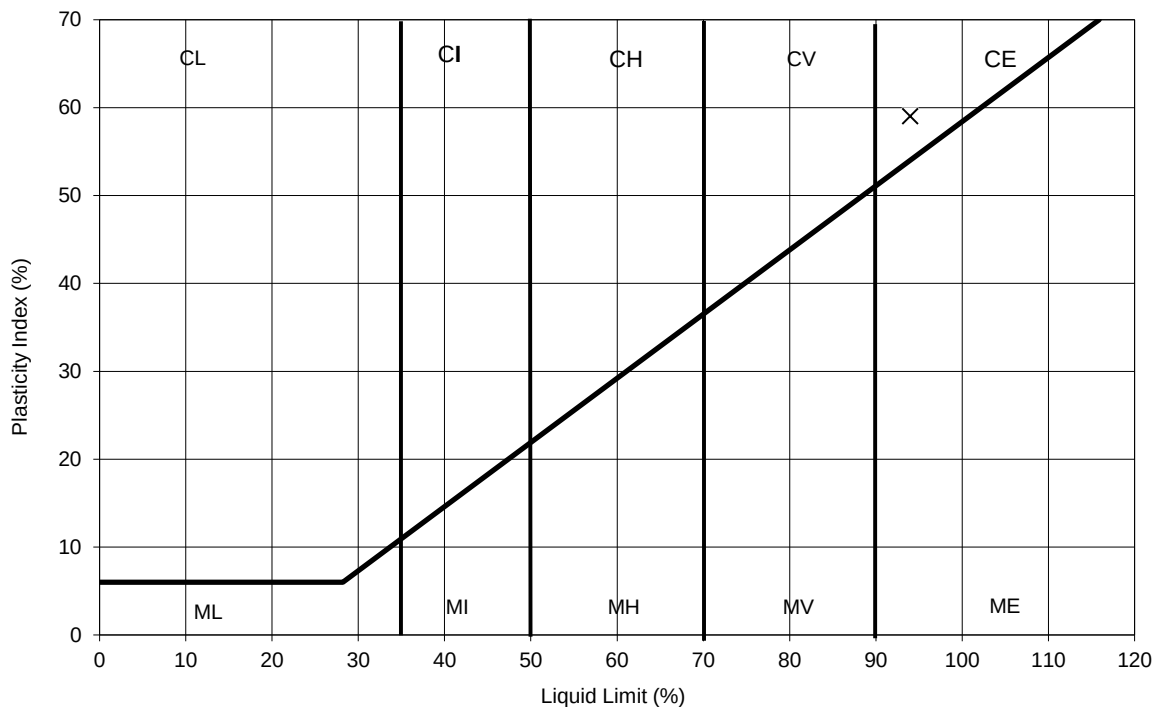
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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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: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP11

Site Name

Holly Tree Farm

Sample No.

2

Project No.

GE23094

Client

GESL

Depth Top

1.00

m

Depth Base

-

m

Sample Type

D

Soil Description

Liht grey mottled orangish brown silty CLAY with sandy patches

Samples received

19/08/2025

Schedules received

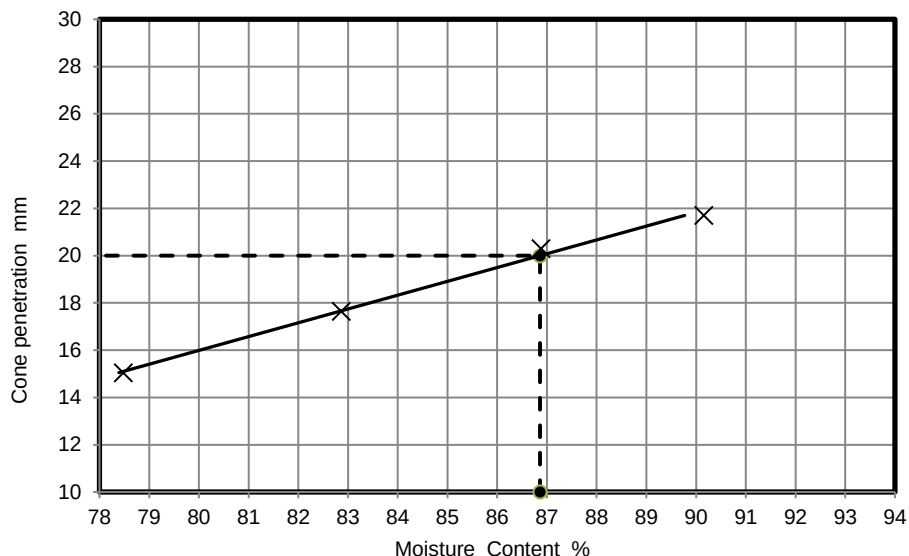
20/08/2025

Project Started

20/08/2025

Date Tested

17/09/2025



WATER CONTENT

31.2

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

87

%

PLASTIC LIMIT

30

%

PLASTICITY INDEX

57

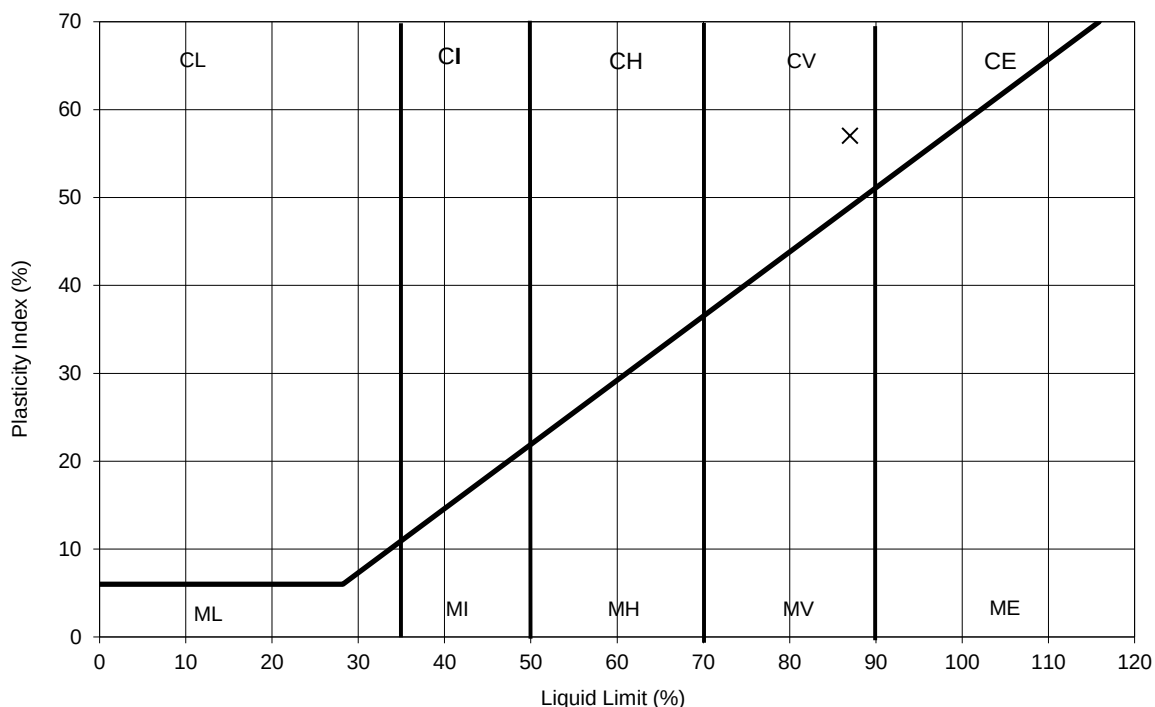
%

Preparation Method

Tested in natural condition

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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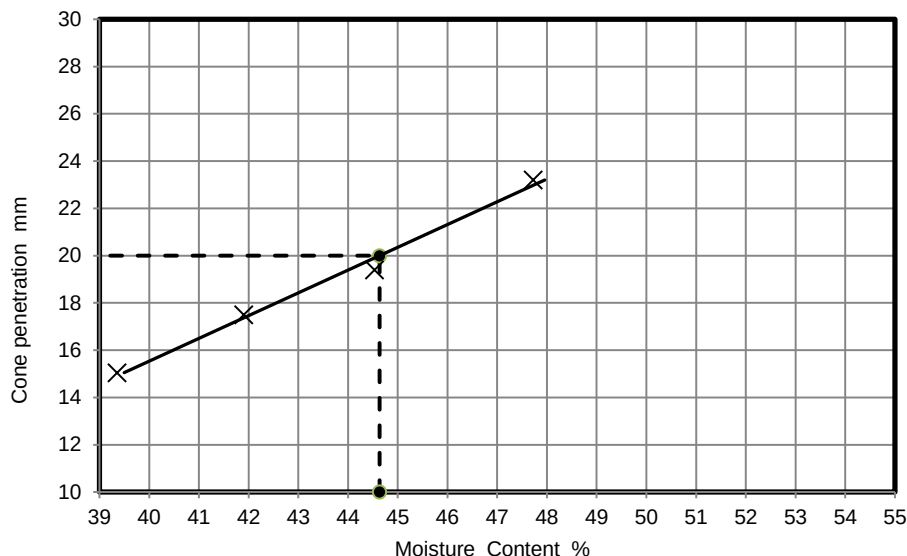
MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	TP13
Sample No.	1
Depth Top	0.50 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	17/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown sandy silty CLAY with rare fine sub-angular gravel		

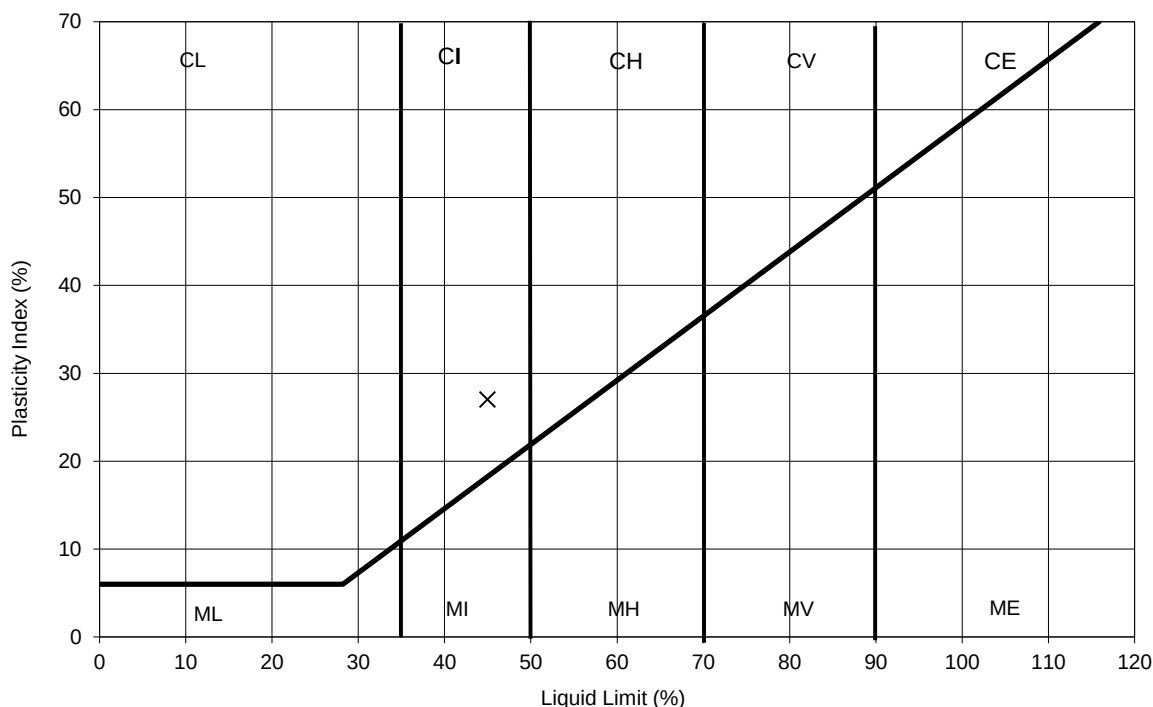


WATER CONTENT	13.9	%
% PASSING 425µm SIEVE	99	%
LIQUID LIMIT	45	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	27	%

Preparation Method	Tested after >425µm removed by hand
--------------------	-------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 + A2:2022 Liquid and plastic limit

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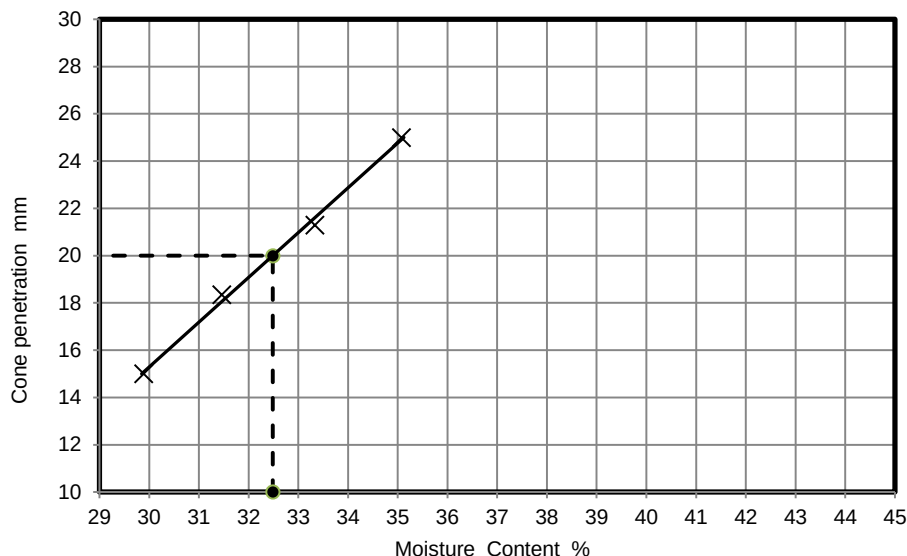
2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	TP14
Sample No.	2
Depth Top	1.00 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	16/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown slightly gravelly very sandy silty CLAY (gravel is fmc and angular to sub-angular flint)		

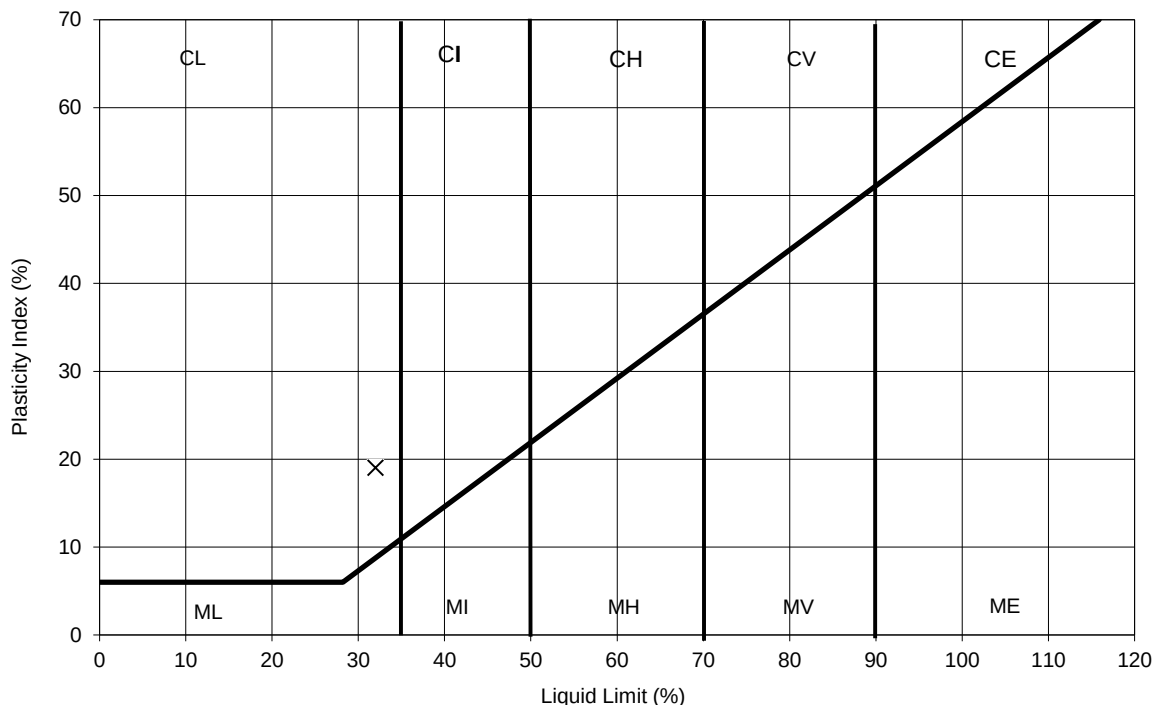


WATER CONTENT	11.1	%
% PASSING 425µm SIEVE	82	%
LIQUID LIMIT	32	%
PLASTIC LIMIT	13	%
PLASTICITY INDEX	19	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Checked and Approved

Initials: J.P
Date: 19/09/2025

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP15

Site Name

Holly Tree Farm

Sample No.

1

Project No.

GE23094

Client

GESL

Depth Top

0.50

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

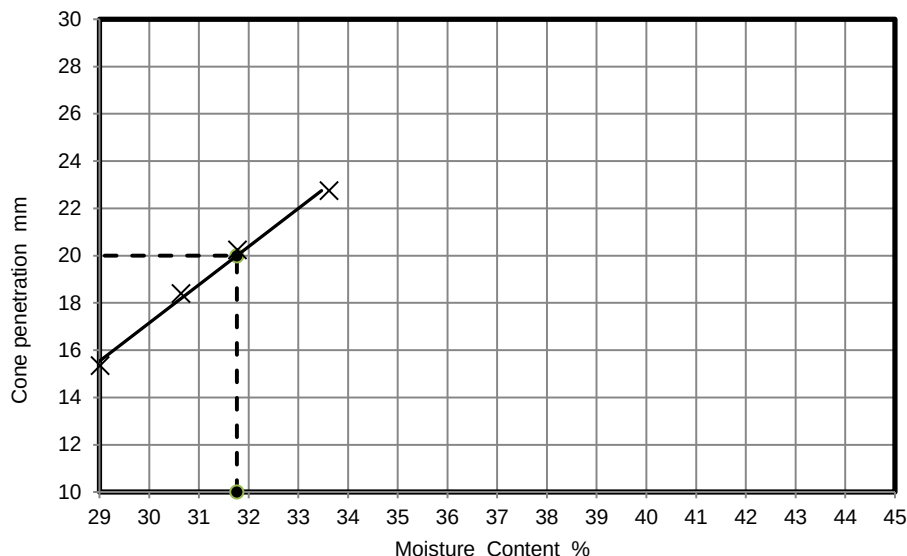
20/08/2025

Date Tested

16/09/2025

Soil Description

Brown slightly gravelly sandy silty CLAY (gravel is fm and angular to sub-rounded)



WATER CONTENT

9.2

%

% PASSING 425µm SIEVE

88

%

LIQUID LIMIT

32

%

PLASTIC LIMIT

14

%

PLASTICITY INDEX

18

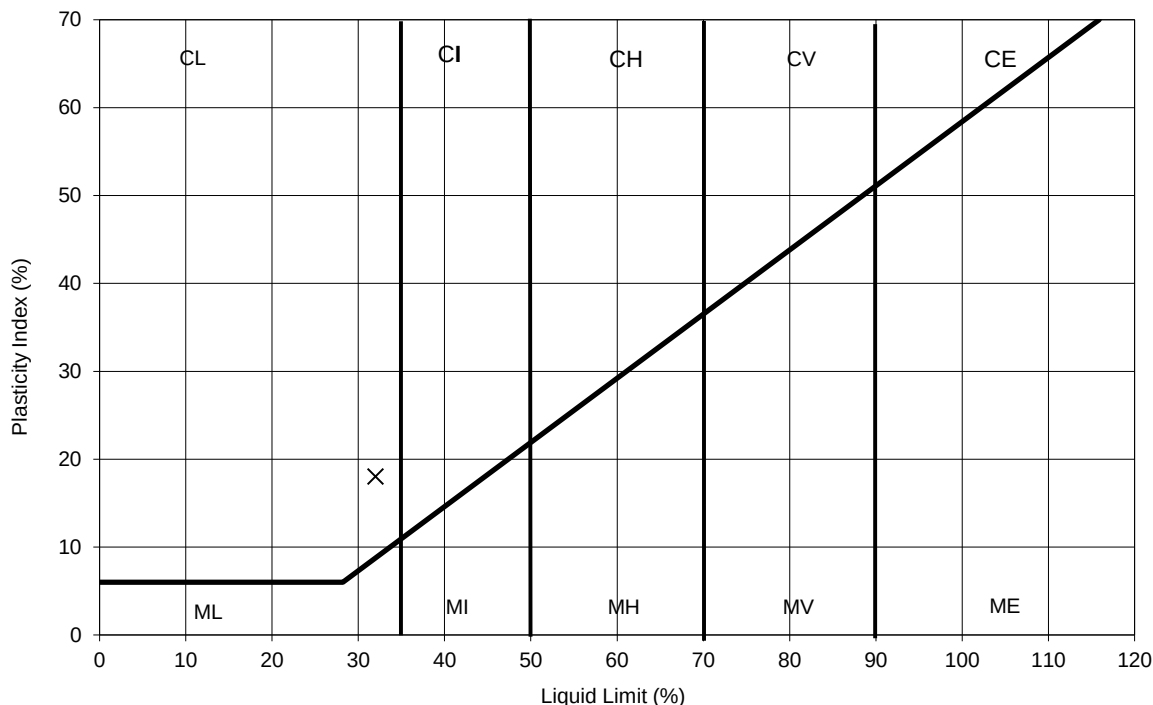
%

Preparation Method

Tested after >425µm removed by hand

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

TP16

Site Name

Holly Tree Farm

Sample No.

1

Project No.

GE23094

Client

GESL

Depth Top

0.50

m

Depth Base

-

m

Sample Type

D

Samples received

19/08/2025

Schedules received

20/08/2025

Project Started

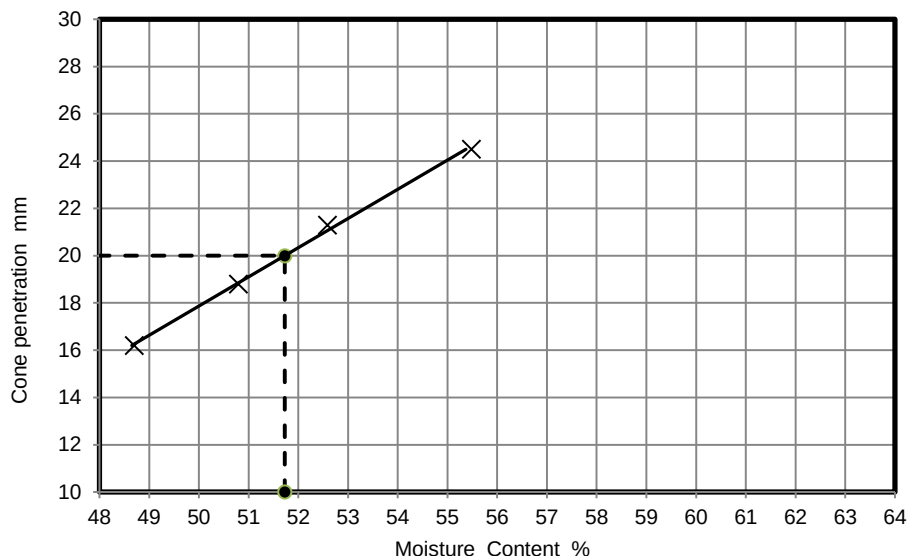
20/08/2025

Date Tested

16/09/2025

Soil Description

Brown with orangish brown stains slightly sandy slightly gravelly silty
CLAY (gravel is fmc and angular to sub-angular flint)



WATER CONTENT

14.2

%

% PASSING 425µm SIEVE

73

%

LIQUID LIMIT

52

%

PLASTIC LIMIT

17

%

PLASTICITY INDEX

35

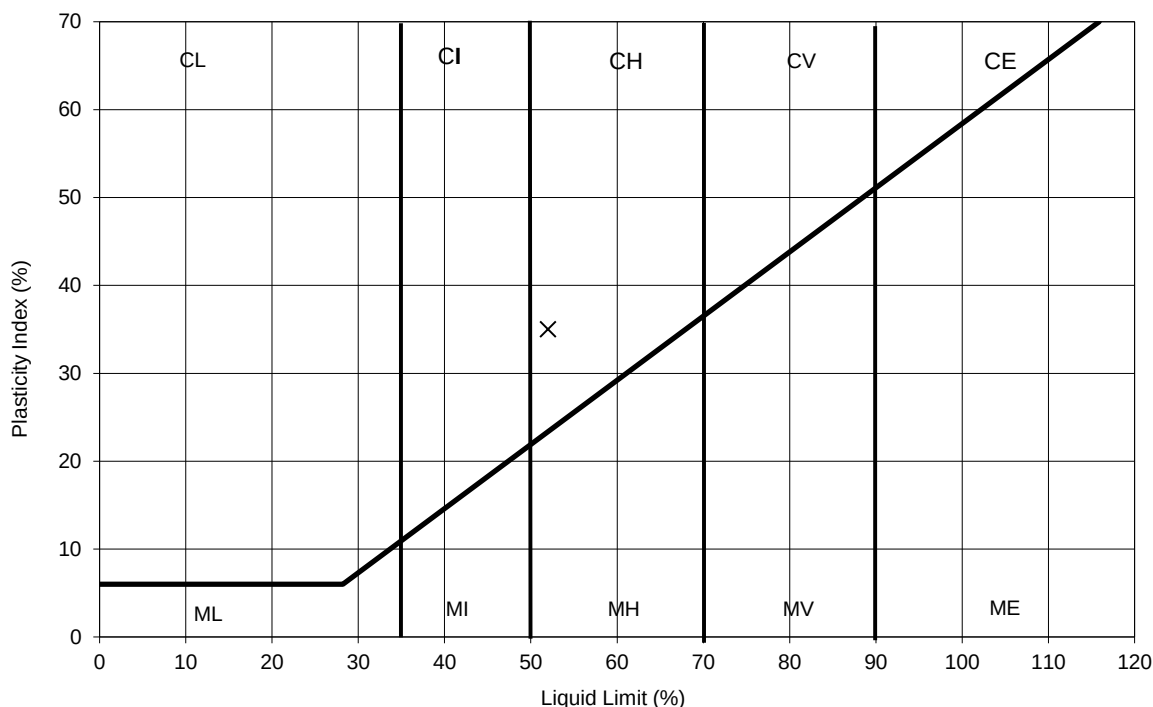
%

Preparation Method

Tested after washing
to remove >425µm

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Initials: J.P

Date: 19/09/2025

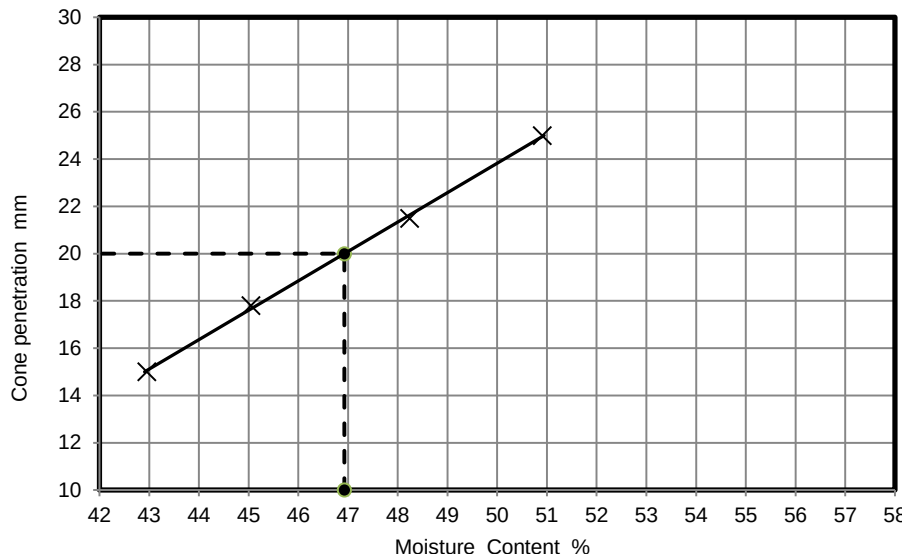
MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	TP17
Sample No.	2
Depth Top	1.00 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	16/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown slightly sandy very gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)		

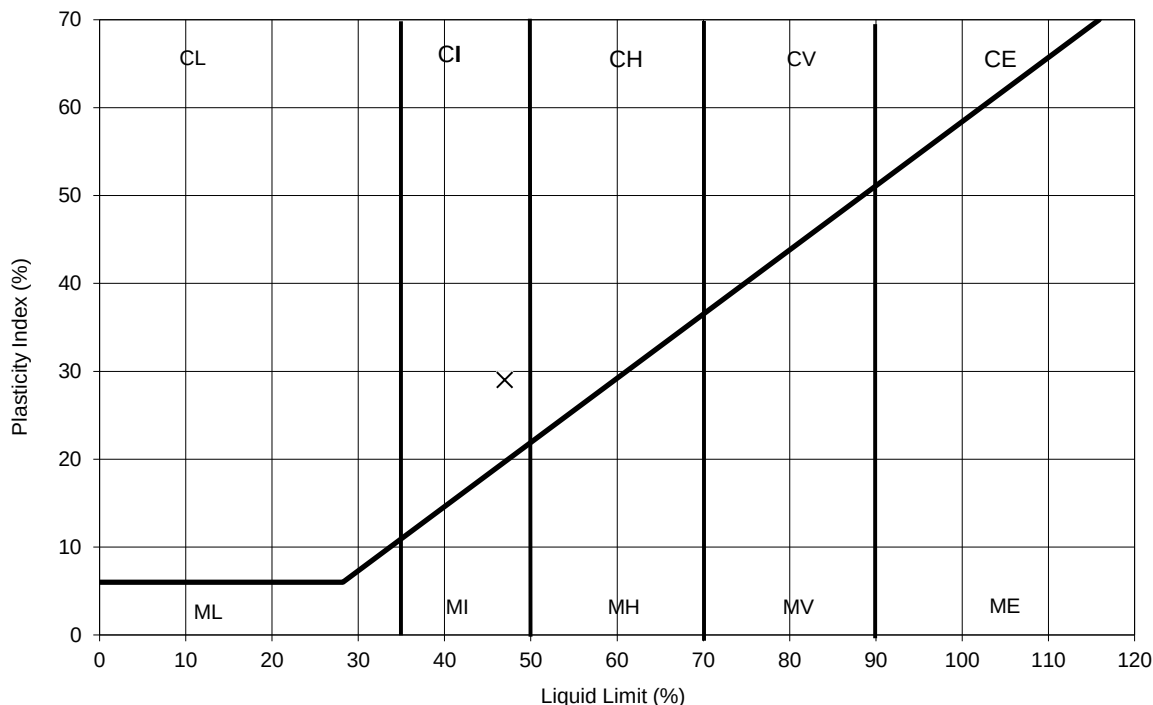


WATER CONTENT	7.8	%
% PASSING 425µm SIEVE	25	%
LIQUID LIMIT	47	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	29	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Date: 19/09/2025

MSF-5 R2



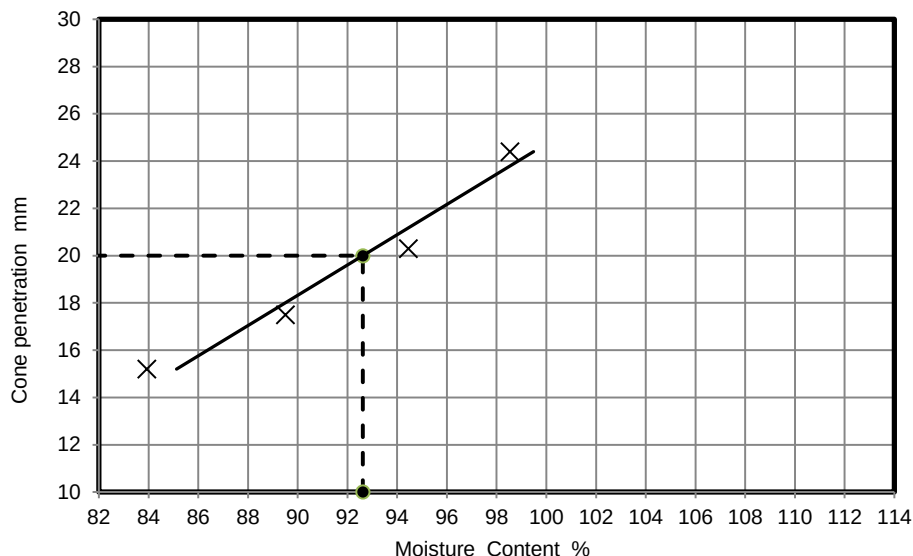
2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	WS01
Sample No.	2
Depth Top	1.00 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	17/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Light grey mottled orangish brown silty CLAY		

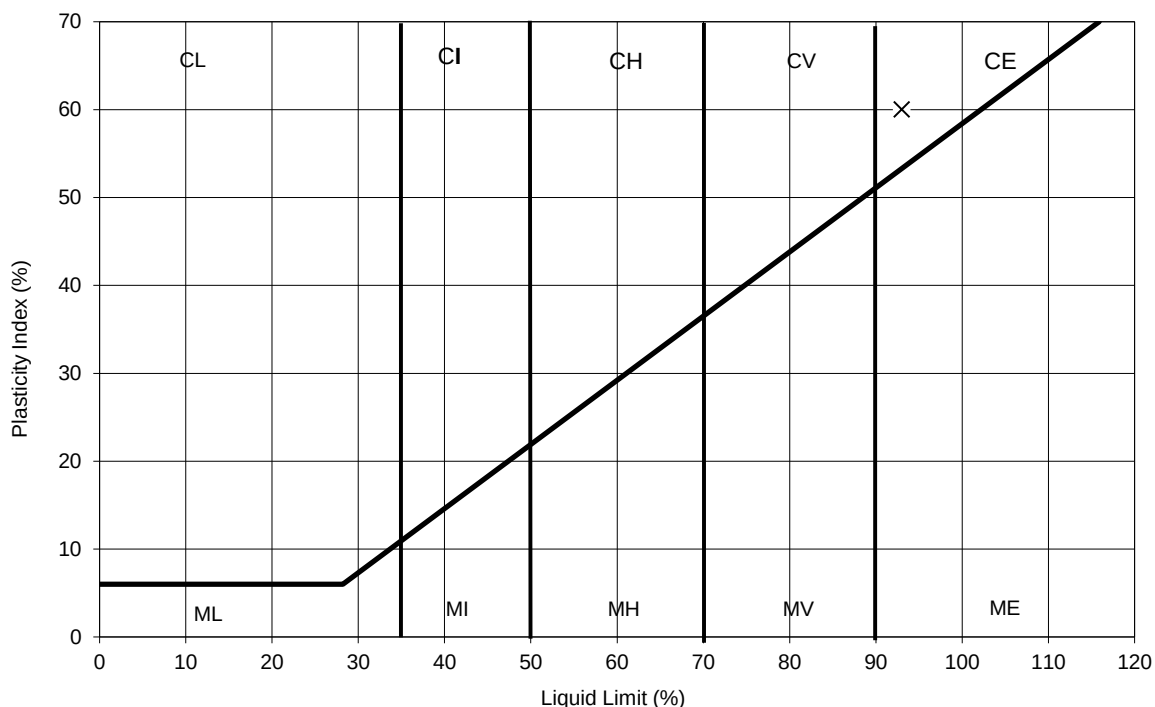


WATER CONTENT	34.5	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	93	%
PLASTIC LIMIT	33	%
PLASTICITY INDEX	60	%

Preparation Method	Tested in natural condition
--------------------	-----------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 + A2:2022 Liquid and plastic limit

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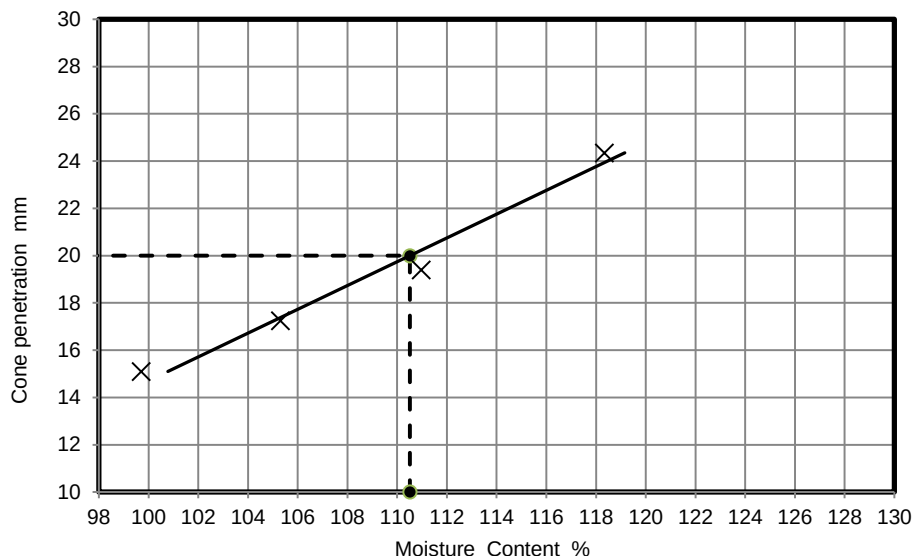
MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	WS03
Sample No.	1
Depth Top	0.50 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	17/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Grey and orangish brown mottled silty CLAY with sandy patches		

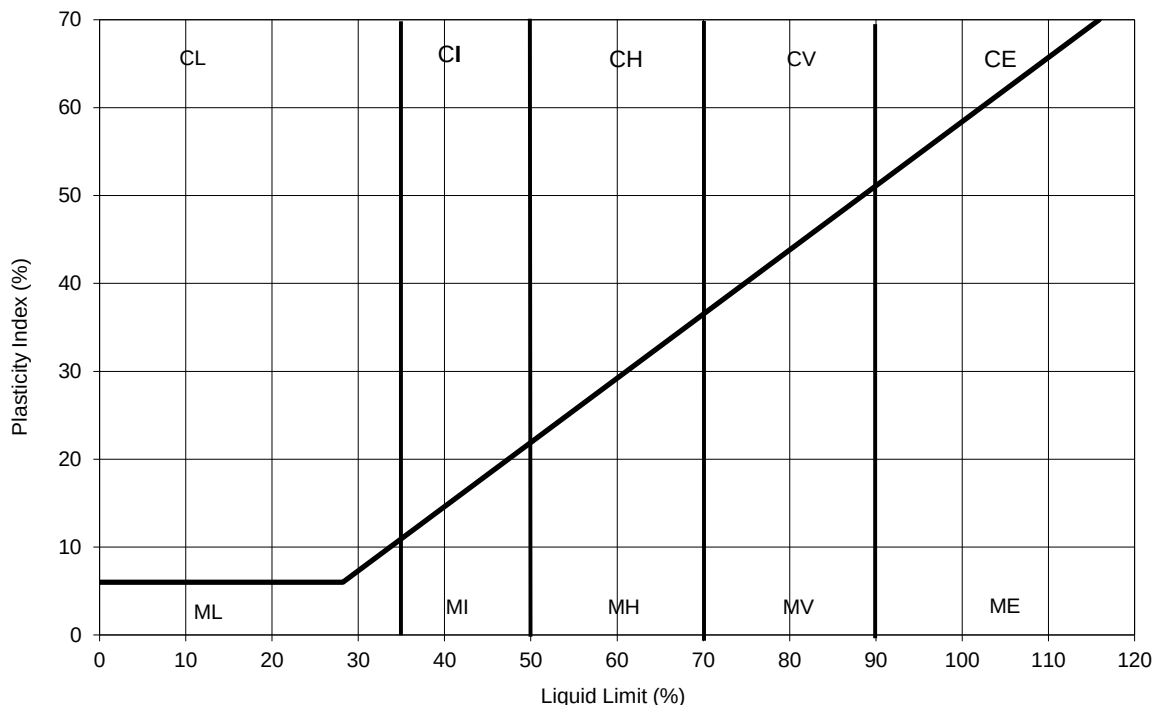


WATER CONTENT	39.5	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	111	%
PLASTIC LIMIT	39	%
PLASTICITY INDEX	72	%

Preparation Method	Tested in natural condition
--------------------	-----------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Date: 19/09/2025

MSF-5 R2



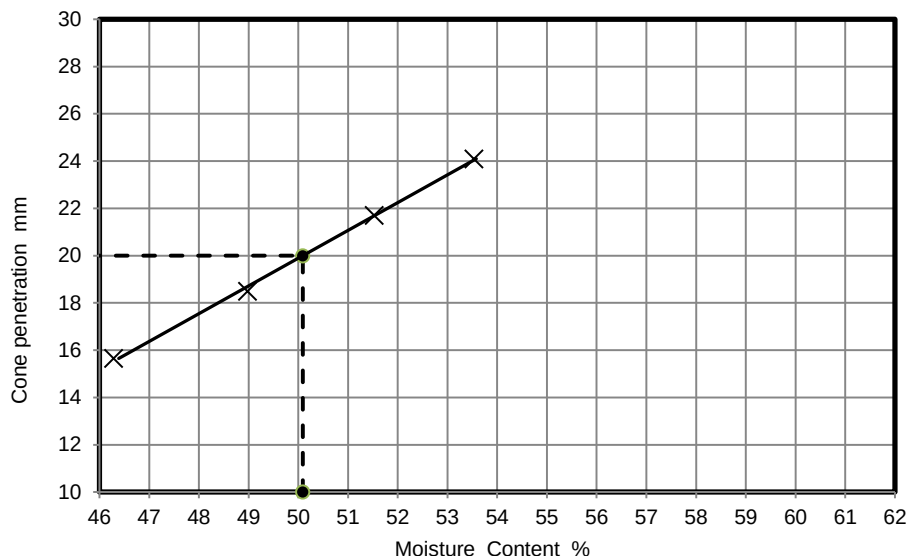
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	37772
Borehole/Pit No.	WS05
Sample No.	2
Depth Top	1.00 m
Depth Base	- m
Sample Type	D
Samples received	19/08/2025
Schedules received	20/08/2025
Project Started	20/08/2025
Date Tested	16/09/2025

Site Name Holly Tree Farm

Project No. GE23094 Client GESL

Soil Description Brown and grey mottled slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)

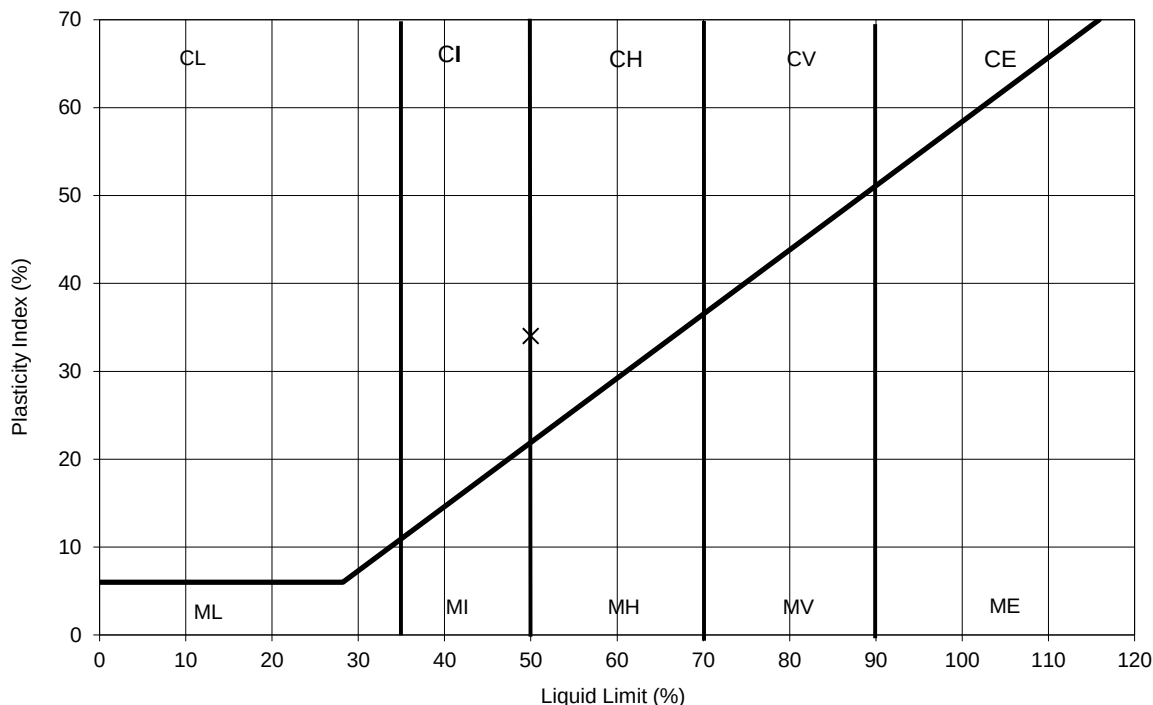


WATER CONTENT	13.1	%
% PASSING 425µm SIEVE	53	%
LIQUID LIMIT	50	%
PLASTIC LIMIT	16	%
PLASTICITY INDEX	34	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Date: 19/09/2025

MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.

37772

Borehole/Pit No.

WS06

Site Name

Holly Tree Farm

Sample No.

1

Project No.

GE23094

Client

GESL

Depth Top

0.50

m

Depth Base

-

m

Sample Type

D

Soil Description

Brown and grey slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular flint)

Samples received

19/08/2025

Schedules received

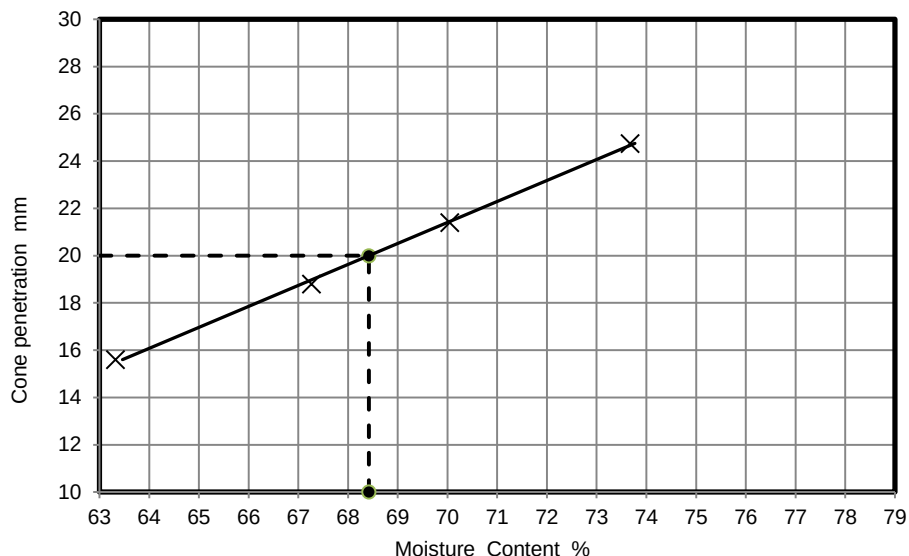
20/08/2025

Project Started

20/08/2025

Date Tested

16/09/2025



WATER CONTENT

11.4

%

% PASSING 425µm SIEVE

49

%

LIQUID LIMIT

68

%

PLASTIC LIMIT

21

%

PLASTICITY INDEX

47

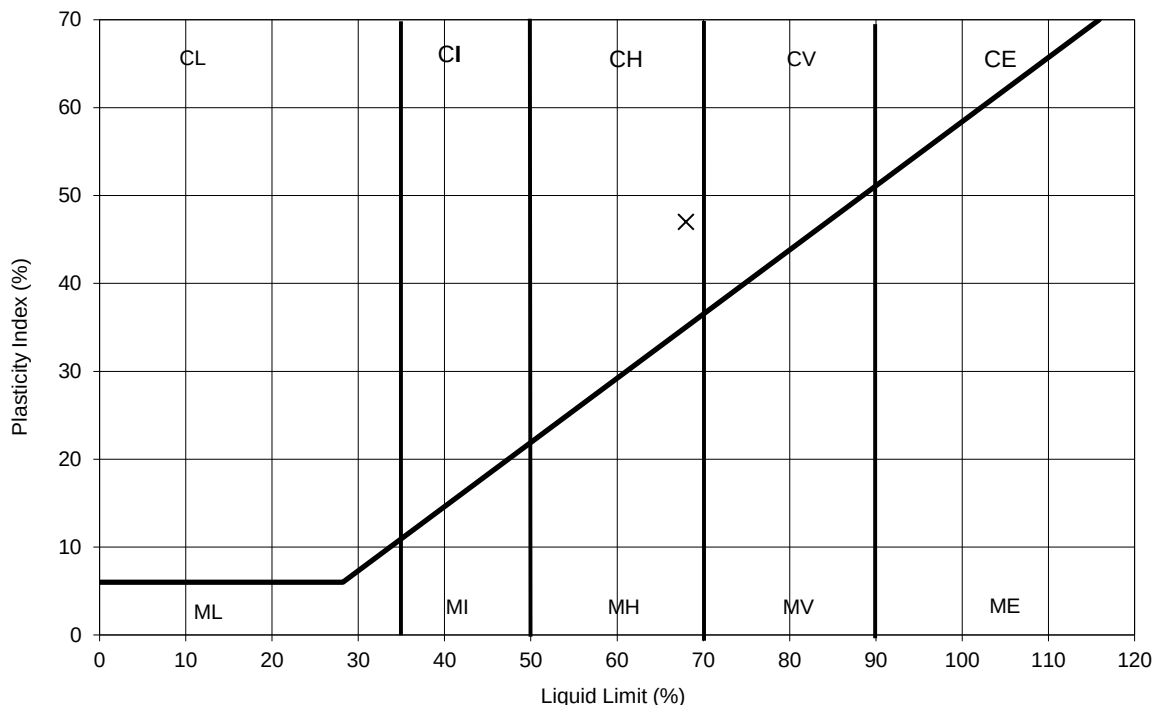
%

Preparation Method

Tested after washing to remove >425µm

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content

BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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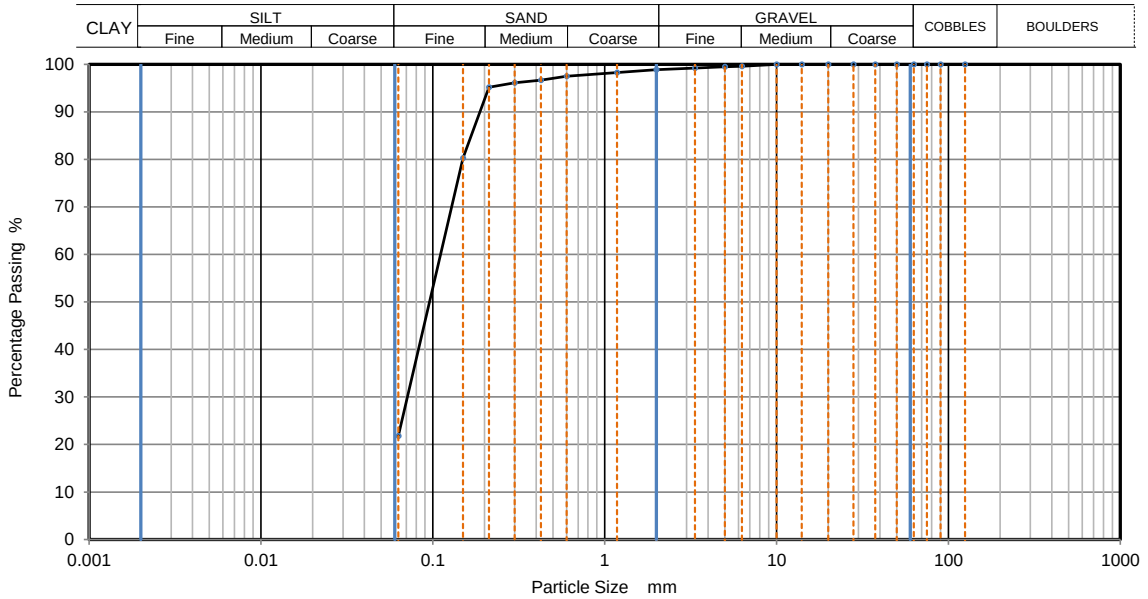
MSF-5 R2



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	37772	
				Borehole/Pit No.	BH01	
Site Name	Holly Tree Farm			Sample No.	5	
Project No.	GE23094	Client	GESL	Depth Top	2.50	m
Soil Description	Brown silty clayey SAND with rare fine gravel			Depth Base	-	m
				Sample Type	B	
				Samples received	18/08/2025	
				Schedules received	20/08/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	20/08/2025	
These results only apply to the items tested				Date tested	09/09/2025	

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	99		
2	99		
1.18	98		
0.6	98		
0.425	97		
0.3	96		
0.212	95		
0.15	80		
0.063	22		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	77
Fines <0.063mm	22

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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Checked and Approved

Initials: J.P

Date: 19/09/2025

2519

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

MSF-5-R3

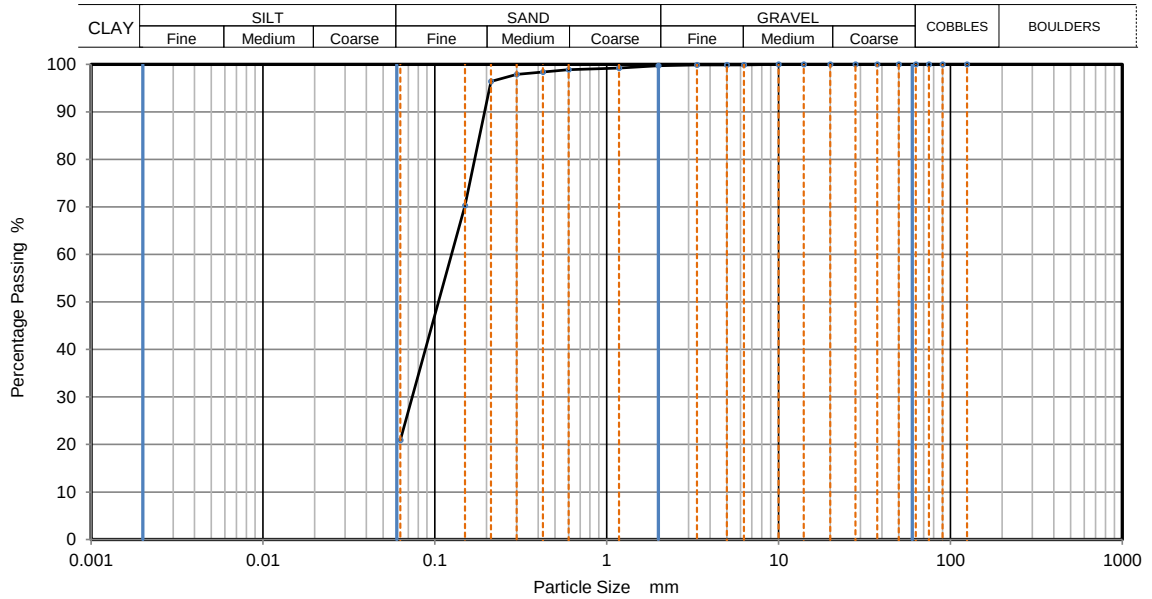


PARTICLE SIZE DISTRIBUTION

Job Ref	37772
Borehole/Pit No.	BH01
Sample No.	8
Depth Top	4.50 m
Depth Base	- m
Sample Type	B
Samples received	18/08/2025
Schedules received	20/08/2025
Project started	20/08/2025
Date tested	09/09/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown silty clayey SAND		
Test Method	BS EN ISO 17892 Part 4: 2016		

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	99		
0.6	99		
0.425	98		
0.3	98		
0.212	96		
0.15	70		
0.063	21		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	79
Fines <0.063mm	21

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks
Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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Initials: J.P
Date: 19/09/2025
MSF-5-R3

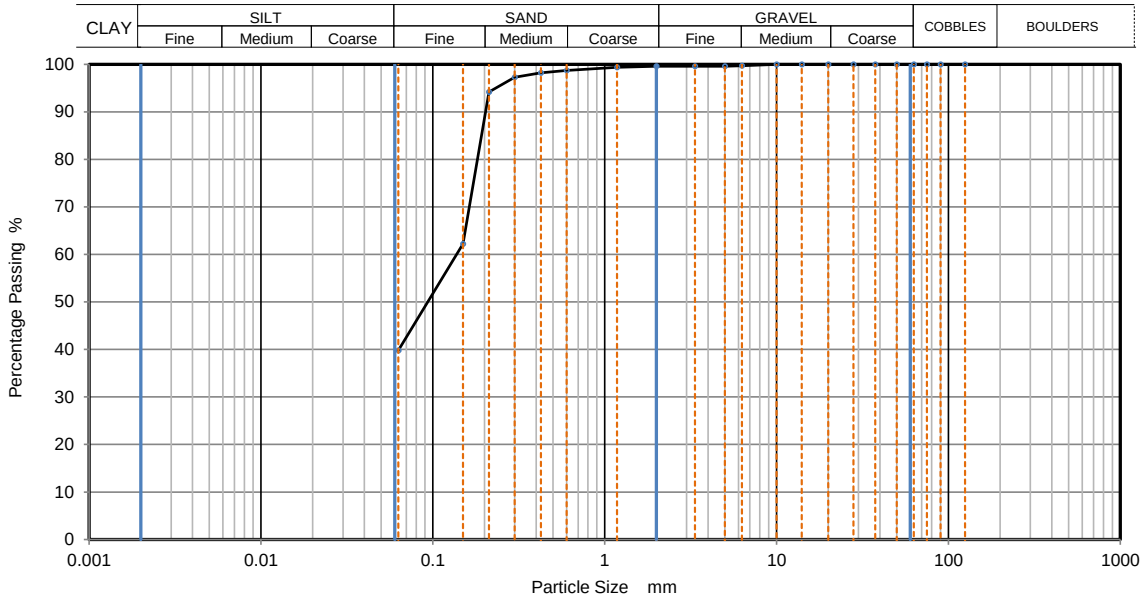
2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)



PARTICLE SIZE DISTRIBUTION

Job Ref			37772		
			BH02		
Site Name			Holly Tree Farm		
Project No.			GE23094		
Client			GESL		
Depth Top			6.00 m		
Depth Base			- m		
Sample Type			D		
Samples received			18/08/2025		
Schedules received			20/08/2025		
Project started			20/08/2025		
Date tested			04/09/2025		

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	99		
0.6	99		
0.425	98		
0.3	97		
0.212	94		
0.15	62		
0.063	40		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	60
Fines <0.063mm	40

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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Checked and Approved

Initials: J.P

Date: 19/09/2025

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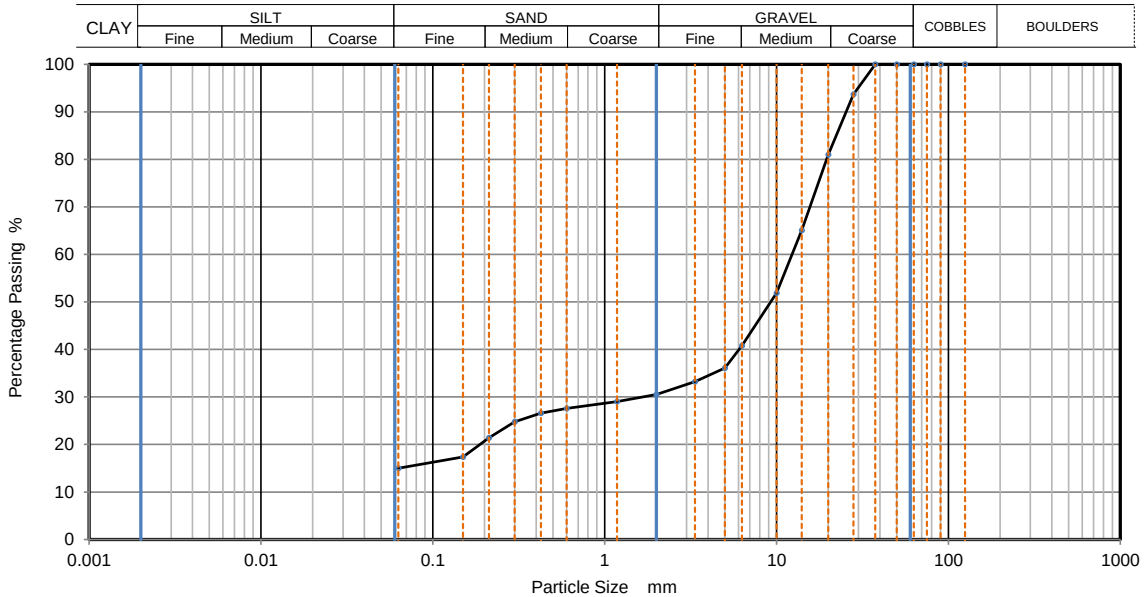
MSF-5-R3



PARTICLE SIZE DISTRIBUTION

Job Ref			37772		
			TP05		
Site Name			Holly Tree Farm		
Project No.			GE23094		
Client			GESL		
Depth Top			0.50 m		
Depth Base			- m		
Sample Type			D		
Samples received			18/08/2025		
Schedules received			20/08/2025		
Project started			20/08/2025		
Date tested			04/09/2025		

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	94		
20	81		
14	65		
10	52		
6.3	41		
5	36		
3.35	33		
2	31		
1.18	29		
0.6	28		
0.425	27		
0.3	25		
0.212	21		
0.15	17		
0.063	15		

Sample Proportions	% dry mass
Very coarse	0
Gravel	70
Sand	15
Fines <0.063mm	15

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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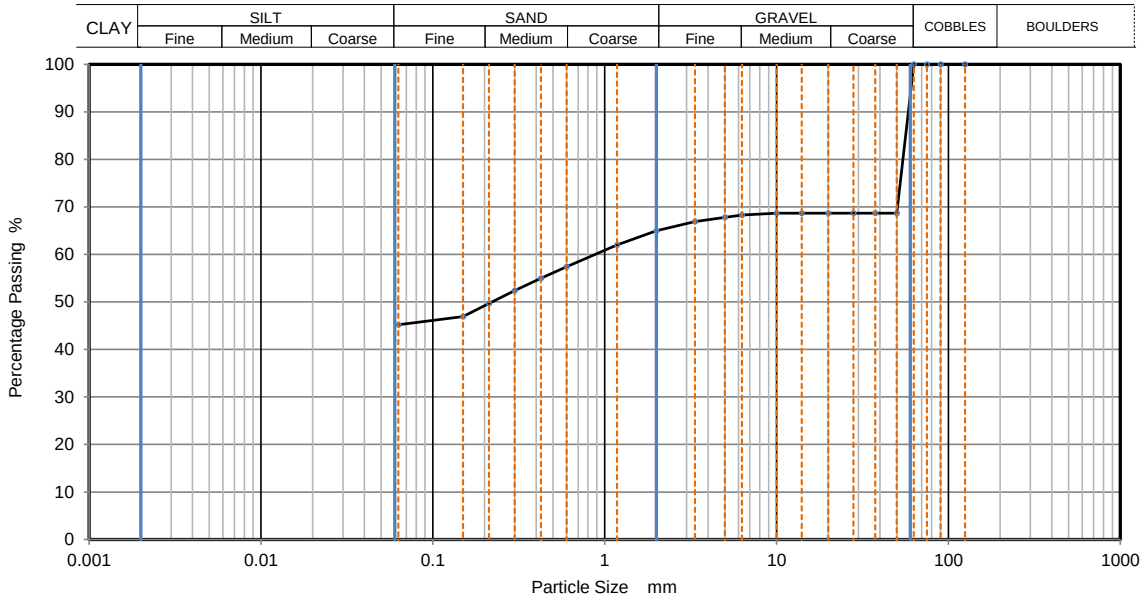
MSF-5-R3



PARTICLE SIZE DISTRIBUTION

Job Ref			37772		
			TP06		
Site Name			Holly Tree Farm		
Project No.			GE23094		
Client			GESL		
Depth Top			1.00 m		
Depth Base			- m		
Sample Type			D		
Samples received			18/08/2025		
Schedules received			20/08/2025		
Project started			20/08/2025		
Date tested			09/09/2025		

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	69		
37.5	69		
28	69		
20	69		
14	69		
10	69		
6.3	68		
5	68		
3.35	67		
2	65		
1.18	62		
0.6	57		
0.425	55		
0.3	52		
0.212	50		
0.15	47		
0.063	45		

Sample Proportions	% dry mass
Very coarse	0
Gravel	35
Sand	20
Fines <0.063mm	45

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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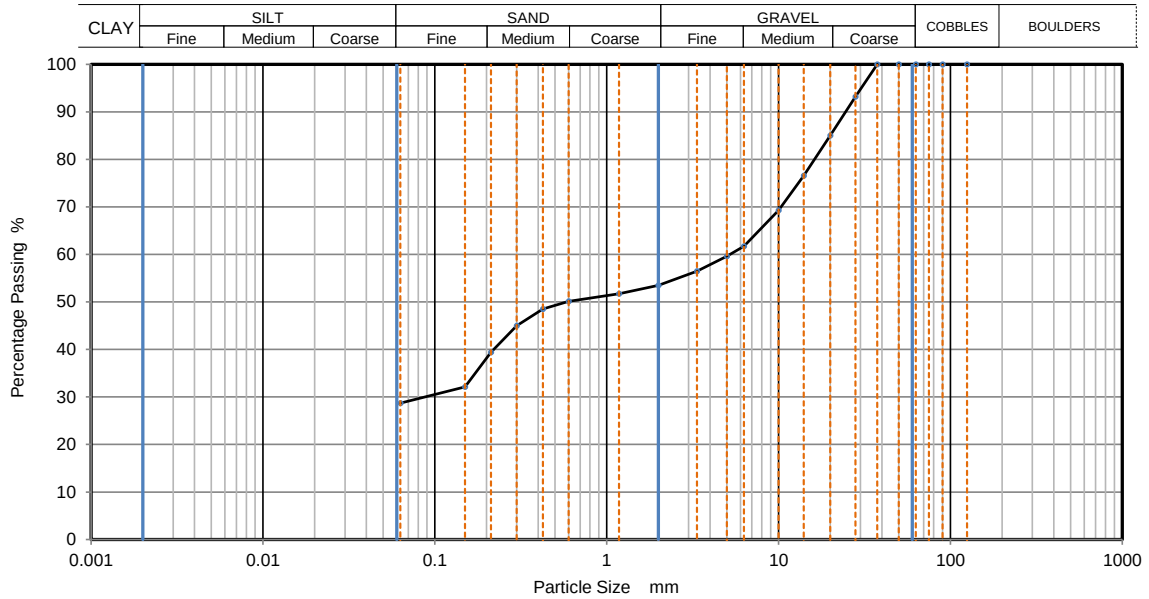
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R3



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	37772	
				Borehole/Pit No.	WS04	
Site Name	Holly Tree Farm			Sample No.	1	
Project No.	GE23094	Client	GESL	Depth Top	0.50	m
Soil Description	Brown, orangish brown and grey slightly sandy very gravelly silty CLAY (gravel is fmc and angular to rounded)			Depth Base	-	m
				Sample Type	D	
				Samples received	18/08/2025	
				Schedules received	20/08/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	20/08/2025	
These results only apply to the items tested				Date tested	04/09/2025	



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	93		
20	85		
14	77		
10	69		
6.3	62		
5	60		
3.35	57		
2	54		
1.18	52		
0.6	50		
0.425	49		
0.3	45		
0.212	39		
0.15	32		
0.063	29		

Sample Proportions	% dry mass
Very coarse	0
Gravel	46
Sand	25
Fines <0.063mm	29

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

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MSF-5-R3



Dry Density / Water Content Relationship Light Compaction

Job Ref 37772

Borehole / Pit No BH01

Site Name Holly Tree Farm

Sample No 4

Project No. GE23094

Client

GESL

Depth Top 1.50 m

Soil Description Brown slightly sandy gravelly silty CLAY (gravel is fmc and sub-rounded to sub-angular)

Depth Base - m

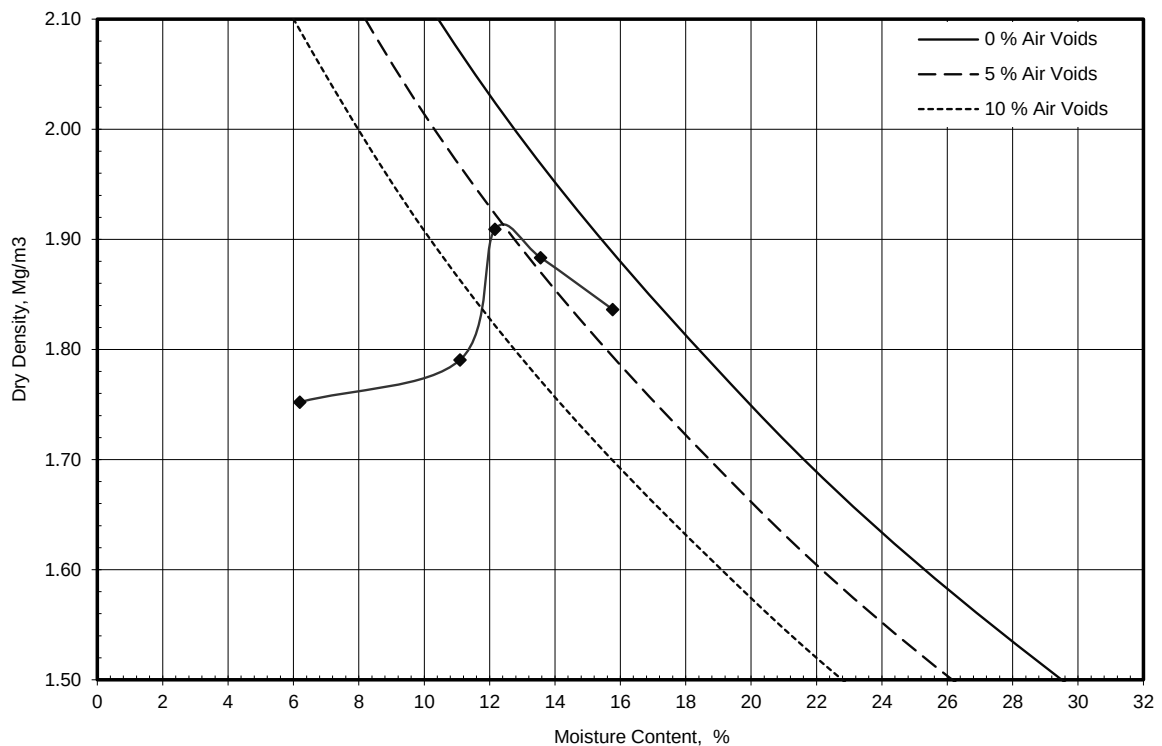
Sample Type B

Test Method BS 1377-2:2022

Samples received 19/08/2025

Schedule received 20/08/2025

Project Started 20/08/2025



Test Started	12/09/2025			
Preparation	Material used was natural			
Mould Type	CBR			
Samples Used	Single sample tested			
Material Retained on 37.5 mm Sieve	%	7	Grading Zone	5
Material Retained on 20.0 mm Sieve	%	7		
Particle Density - Assumed	Mg/m³	2.69		

Maximum Dry Density	Mg/m³	1.91
Optimum Water Content	%	12.4

Remarks	
---------	--



Test Report by K4 SOILS LABORATORY
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Dry Density / Water Content Relationship Light Compaction

Job Ref 37772

Borehole / Pit No BH03

Site Name Holly Tree Farm

Sample No 4

Project No. GE23094

Client

GESL

Depth Top 1.60 m

Soil Description

Brownish grey slightly sandy silty CLAY with a light dusting of orangish brown sand

Depth Base - m

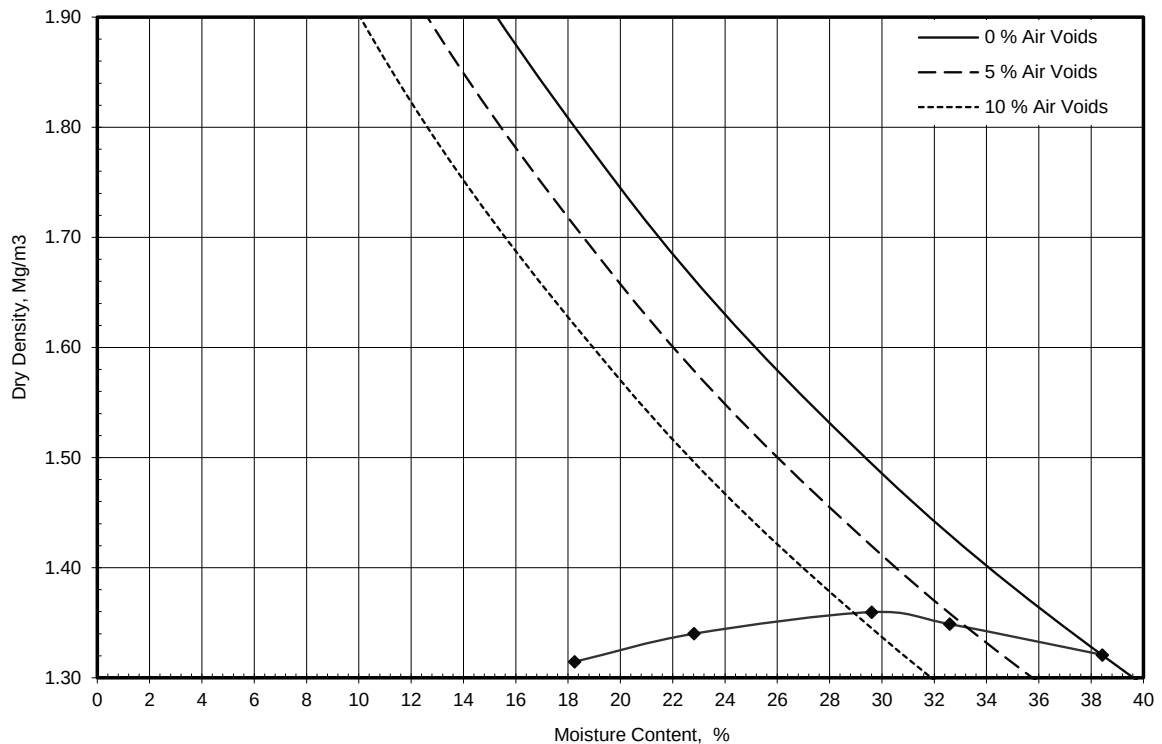
Sample Type B

Test Method BS 1377-2:2022

Samples received 19/08/2025

Schedule received 20/08/2025

Project Started 20/08/2025



Test Started	09/09/2025			
Preparation	Material used was natural			
Mould Type	One Litre			
Samples Used	Single sample tested			
Material Retained on 37.5 mm Sieve	%	0	Grading Zone	1
Material Retained on 20.0 mm Sieve	%	0		
Particle Density - Assumed	Mg/m³	2.68		

Maximum Dry Density	Mg/m³	1.36
Optimum Water Content	%	30

Remarks	
---------	--



Test Report by K4 SOILS LABORATORY

Unit 8 Olds Close Olds Approach

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Dry Density / Water Content Relationship Light Compaction

Job Ref 37772

Borehole / Pit No TP09

Site Name Holly Tree Farm

Sample No 1

Project No. GE23094

Client

GESL

Depth Top 0.50 m

Soil Description Brown clayey sandy GRAVEL (gravel is fmc and sub-angular to rounded)

Depth Base - m

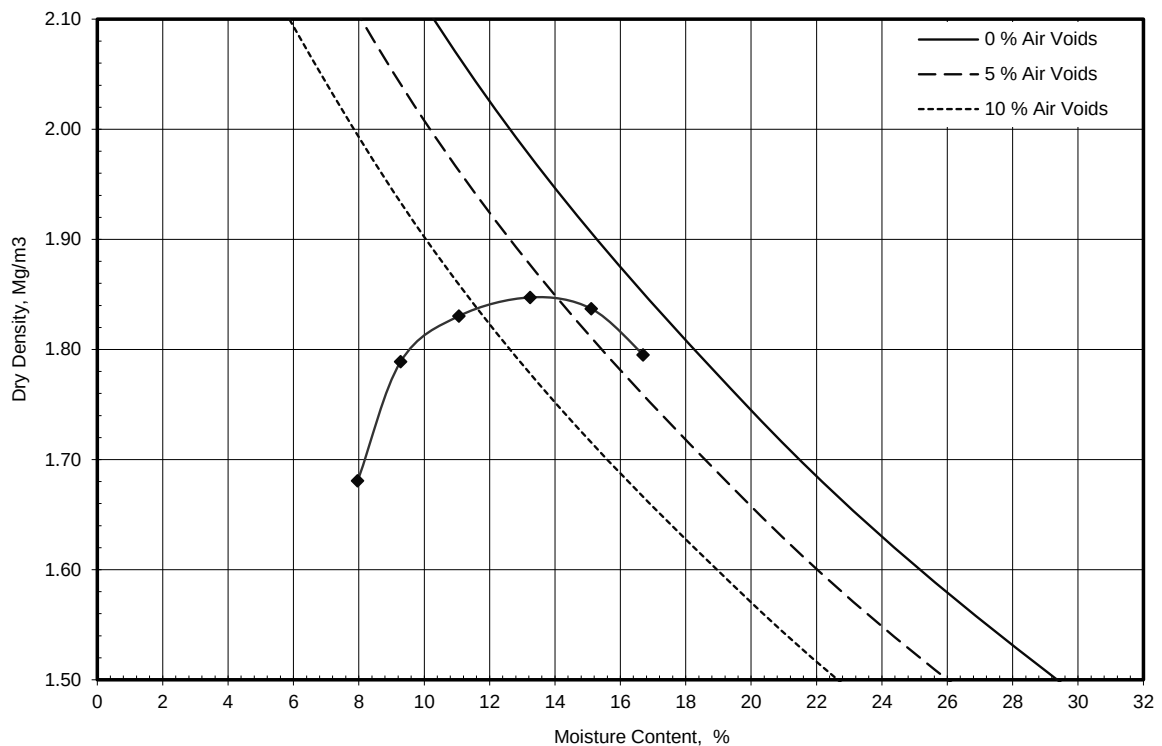
Sample Type B

Test Method BS 1377-2:2022

Samples received 19/08/2025

Schedule received 20/08/2025

Project Started 20/08/2025



Test Started	09/09/2025			
Preparation	Material used was natural			
Mould Type	CBR			
Samples Used	Single sample tested			
Material Retained on 37.5 mm Sieve	%	7	Grading Zone	5
Material Retained on 20.0 mm Sieve	%	22		
Particle Density - Assumed	Mg/m³	2.68		

Maximum Dry Density	Mg/m ³	1.85
Optimum Water Content	%	13.4

Remarks	
---------	--



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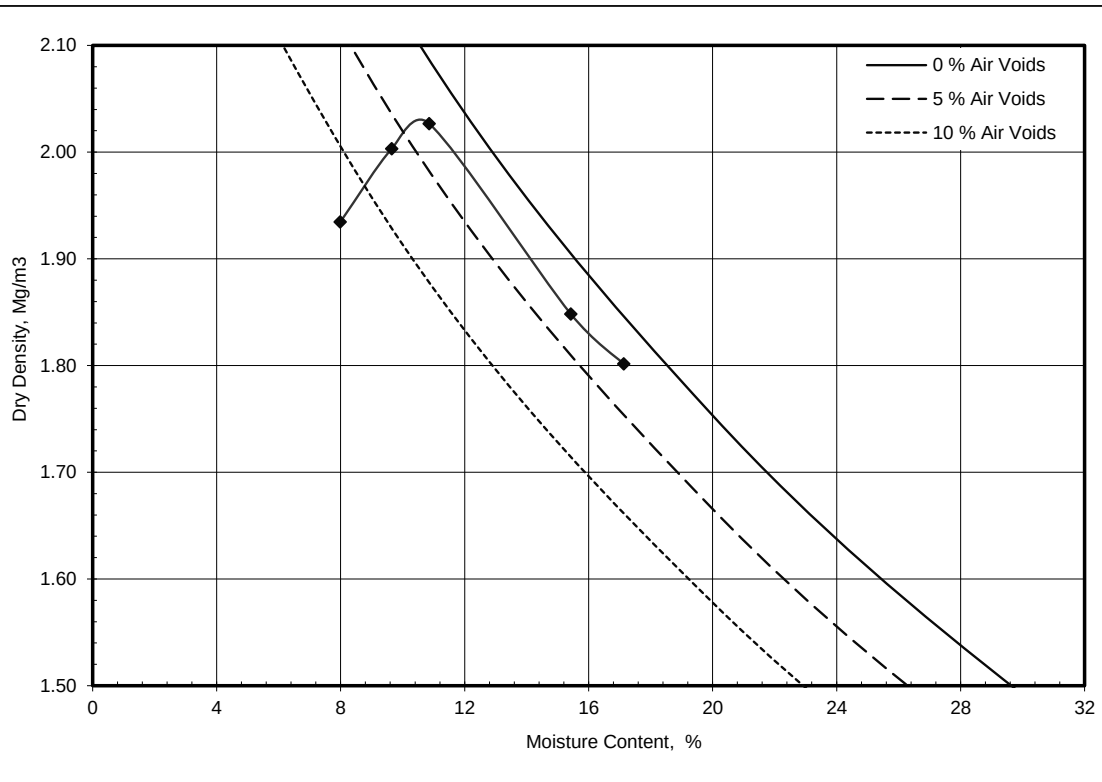
Date: 19/09/2025



Dry Density / Water Content Relationship Heavy Compaction

Job Ref	37772
Borehole / Pit No	BH02
Sample No	4
Depth Top	3.00 m
Depth Base	- m
Sample Type	B
Samples received	19/08/2025
Schedule received	20/08/2025
Project started	20/08/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown very sandy silty CLAY		
Test Method	BS 1377-2:2022		



Test Started	09/09/2025			
Preparation	Material used was natural			
Mould Type	One Litre			
Samples Used	Single sample tested			
Material Retained on 37.5 mm Sieve	%	0	Grading Zone	1
Material Retained on 20.0 mm Sieve	%	0		
Particle Density - Assumed	Mg/m³	2.70		
Maximum Dry Density	Mg/m³	2.03		
Optimum Water Content	%	10.6		
Remarks				



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Initials: J.P

Date: 19/09/2025

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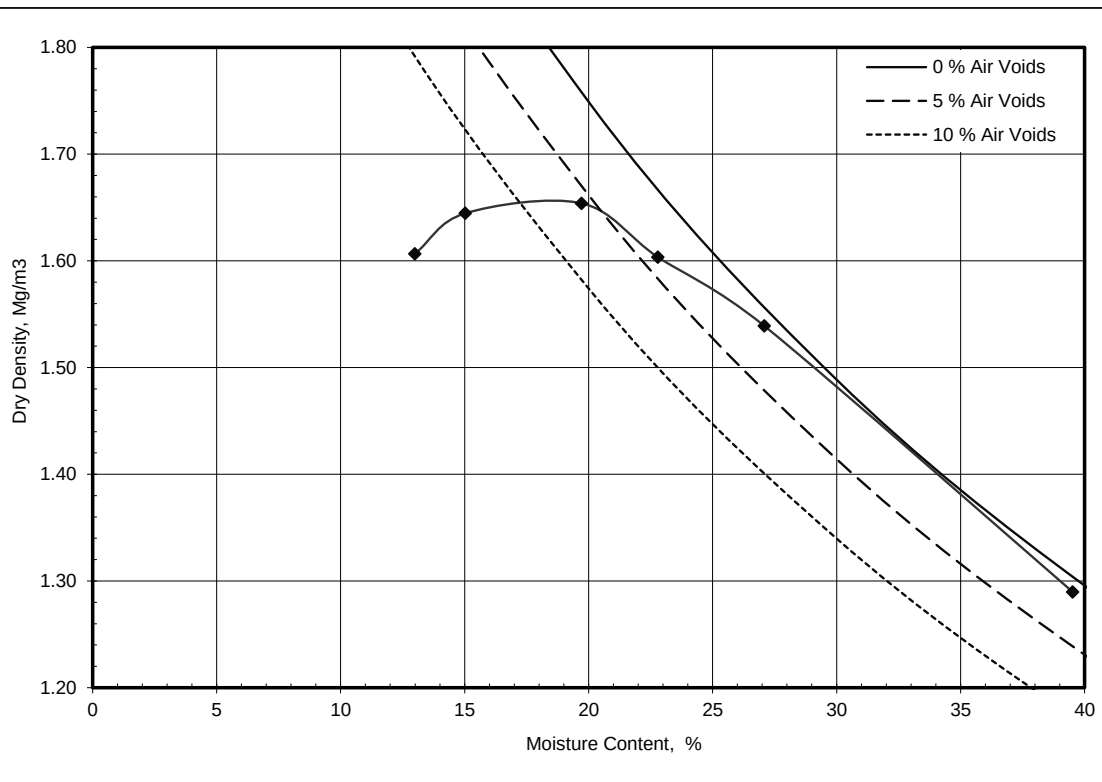
MSF-5-R5(b)



Dry Density / Water Content Relationship Heavy Compaction

Job Ref	37772
Borehole / Pit No	BH03
Sample No	8
Depth Top	4.50 m
Depth Base	- m
Sample Type	B
Samples received	19/08/2025
Schedule received	20/08/2025
Project started	20/08/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brownish grey slightly sandy silty CLAY with occasional orangish brown staining		
Test Method	BS 1377-2:2022		



Test Started	09/09/2025			
Preparation	Material used was natural			
Mould Type	One Litre			
Samples Used	Single sample tested			
Material Retained on 37.5 mm Sieve	%	0	Grading Zone	1
Material Retained on 20.0 mm Sieve	%	0		
Particle Density - Assumed	Mg/m³	2.69		
Maximum Dry Density	Mg/m³	1.65		
Optimum Water Content	%	18.9		
Remarks				



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Initials: J.P

Date: 19/09/2025

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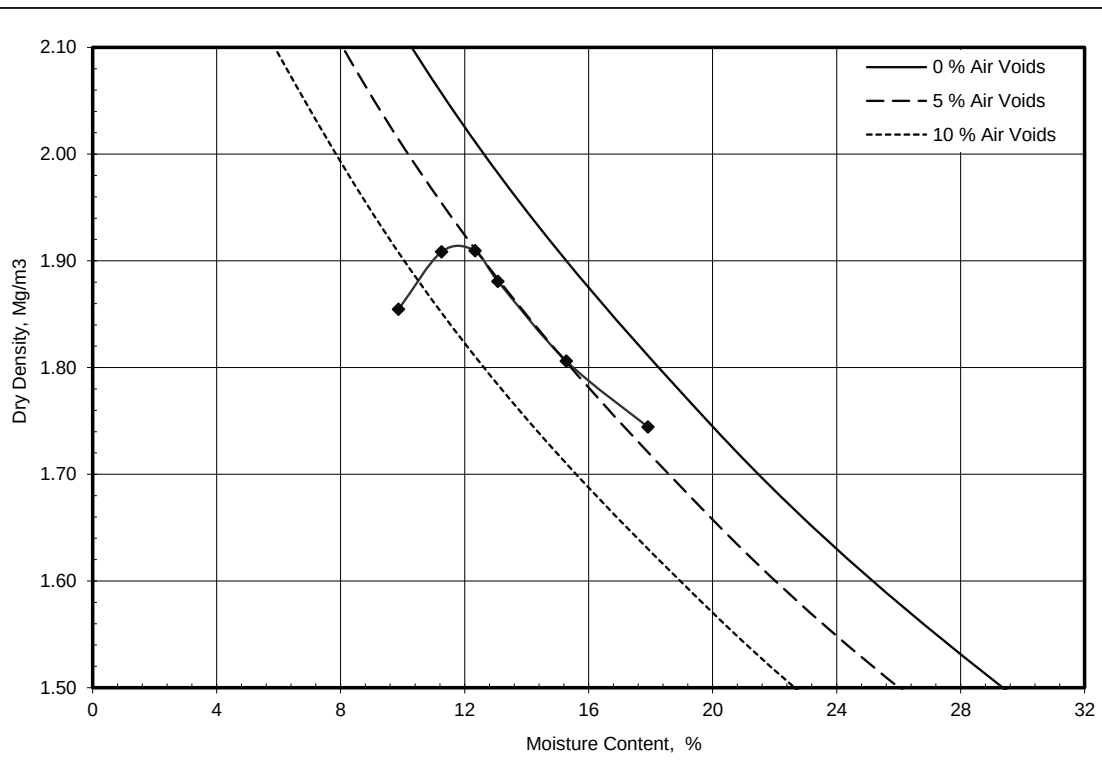
MSF-5-R5(b)



Dry Density / Water Content Relationship Heavy Compaction

Job Ref	37772
Borehole / Pit No	TP16
Sample No	1
Depth Top	0.50 m
Depth Base	- m
Sample Type	B
Samples received	19/08/2025
Schedule received	20/08/2025
Project started	20/08/2025

Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown slightly sandy very gravelly silty CLAY (gravel is fmc and sub-angular to rounded)		
Test Method	BS 1377-2:2022		



Test Started	09/09/2025			
Preparation	Material used was natural			
Mould Type	CBR			
Samples Used	Single sample tested			
Material Retained on 37.5 mm Sieve	%	12	Grading Zone	X
Material Retained on 20.0 mm Sieve	%	12		
Particle Density - Assumed	Mg/m³	2.68		
Maximum Dry Density	Mg/m³	1.91		
Optimum Water Content	%	11.7		
Remarks	Test Carried Out At Clients Request			



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Initials: J.P

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MSF-5-R5(b)



California Bearing Ratio (CBR)

Job Ref	37772		
	Borehole/Pit No.		
Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Orangish brown mottled grey slightly gravelly silty CLAY (gravel is fmc and sub-angular to sub-rounded)		
Test Method	BS 1377-2:2022		

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

Time to surface 1 days

Amount of swell recorded 3.20 mm

Material retained on 20mm sieve removed 3 %

Initial Specimen details Bulk density 1.71 Mg/m3

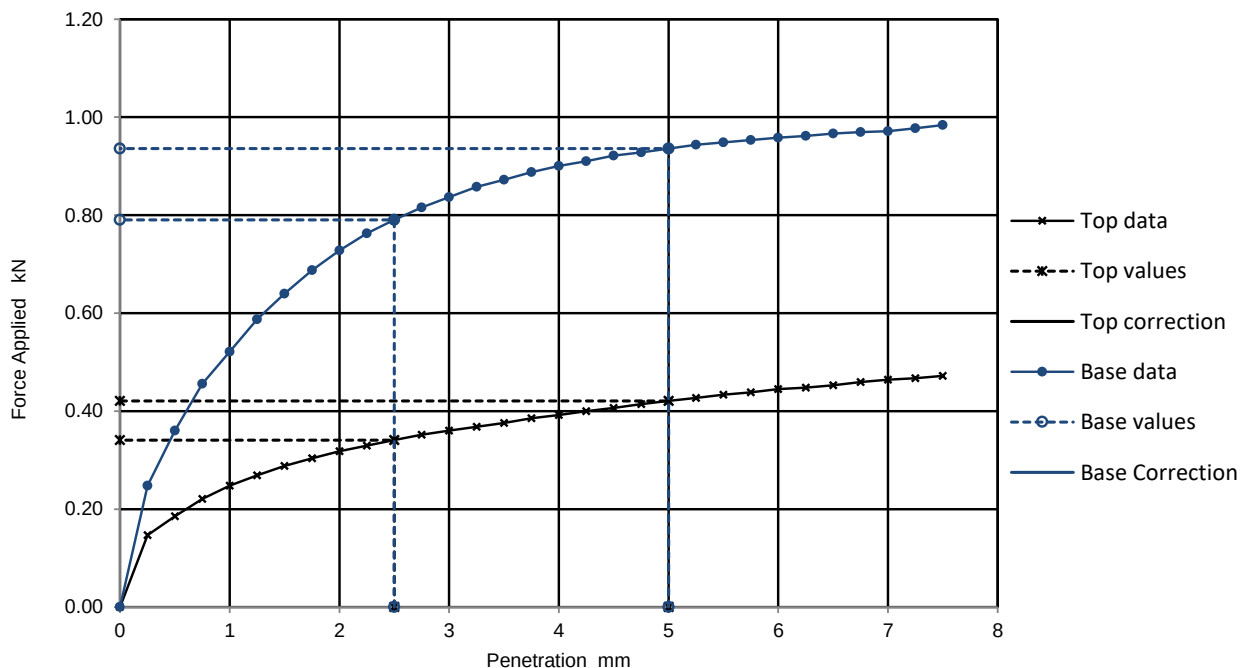
Dry density 1.32 Mg/m3

Water content 29.9 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	2.6	2.1	2.6	N/A
No	6.0	4.7	6.0	

Water Content %
41.4
32.1

Remarks

1



Test Report by K4 SOILS LABORATORY
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Initials: J.P

Date: 19/09/2025

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

MSF-5-R16



California Bearing Ratio (CBR)

Job Ref	37772		
	Borehole/Pit No.		
Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown slightly gravelly slightly sandy silty CLAY (gravel is fmc and sub-angular)		
Test Method	BS 1377-2:2022		

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

Time to surface 1 days

Amount of swell recorded 1.92 mm

Material retained on 20mm sieve removed 1 %

Initial Specimen details Bulk density 1.87 Mg/m³

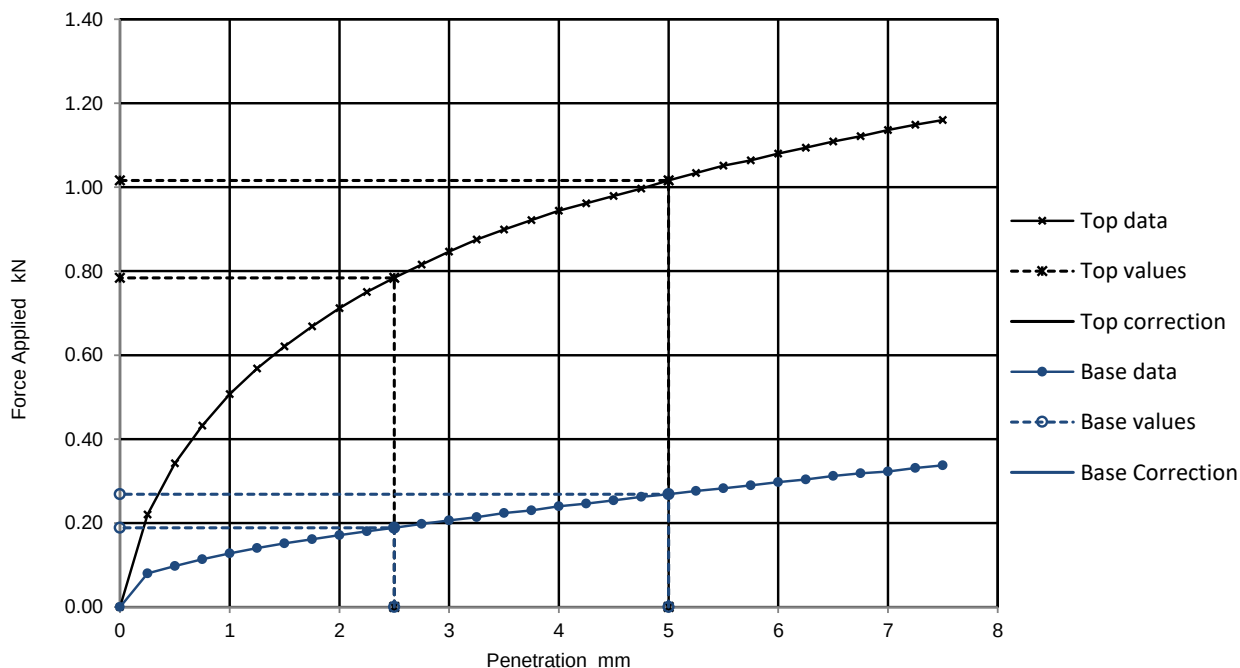
Dry density 1.60 Mg/m³

Water content 16.6 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	5.9	5.1	5.9	N/A
No	1.4	1.3	1.4	

Water Content %
20.7
29.1

Remarks

1



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Initials: J.P

Date: 19/09/2025

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MSF-5-R16



California Bearing Ratio (CBR)

Job Ref	37772		
	Borehole/Pit No.		
Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Orangish brown mottled grey slightly gravelly silty CLAY (gravel is fmc and sub-angular to sub-rounded)		
Test Method	BS 1377-2:2022		

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

Time to surface 1 days

Amount of swell recorded 3.20 mm

Material retained on 20mm sieve removed 3 %

Initial Specimen details Bulk density 1.71 Mg/m3

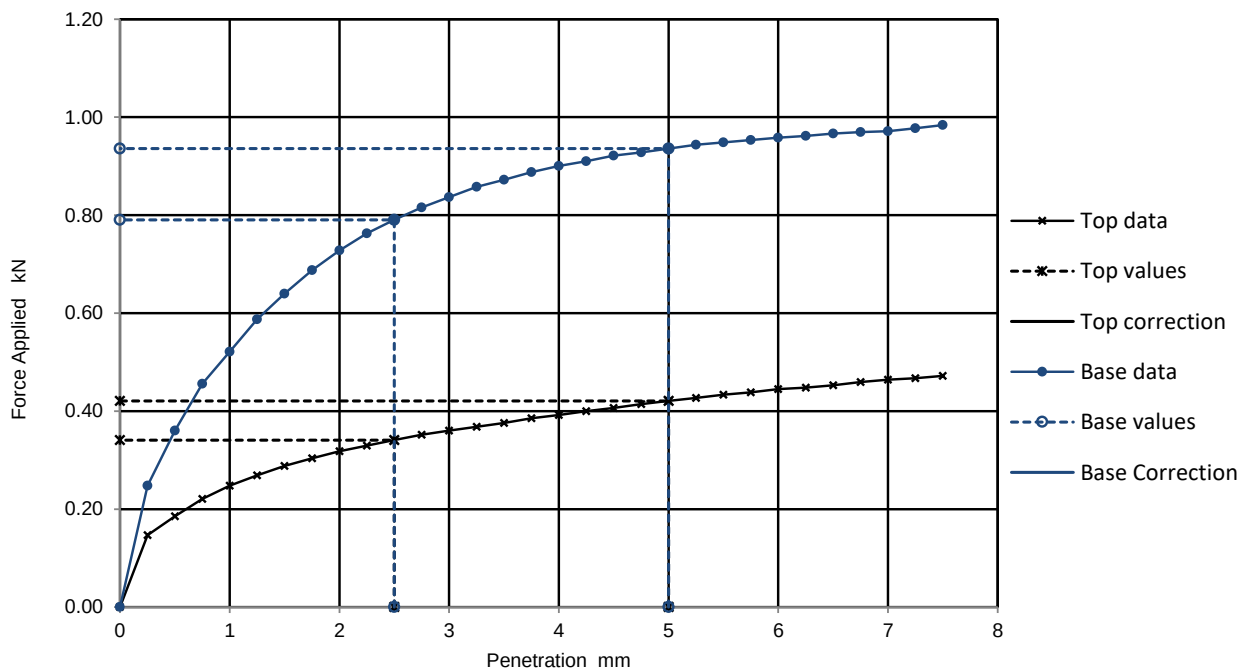
Dry density 1.32 Mg/m3

Water content 29.9 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	2.6	2.1	2.6	N/A
No	6.0	4.7	6.0	

Water Content %
41.4
32.1

Remarks

1



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Initials: J.P

Date: 22/09/2025

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MSF-5-R16



California Bearing Ratio (CBR)

	California Bearing Ratio (CBR)			Job Ref	37772
				Borehole/Pit No.	TP11
Site Name	Holly Tree Farm			Sample No.	1
Project No.	GE23094	Client	GESL	Depth Top	0.50 m
Soil Description	Brown slightly gravelly slightly sandy silty CLAY (gravel is fmc and sub-angular)			Depth Base	- m
				Sample Type	B
				Samples received	19/08/2025
				Schedules received	20/08/2025
Test Method	BS 1377-2:2022			Project Started	20/08/2025
				Date Tested	09/09/2025

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

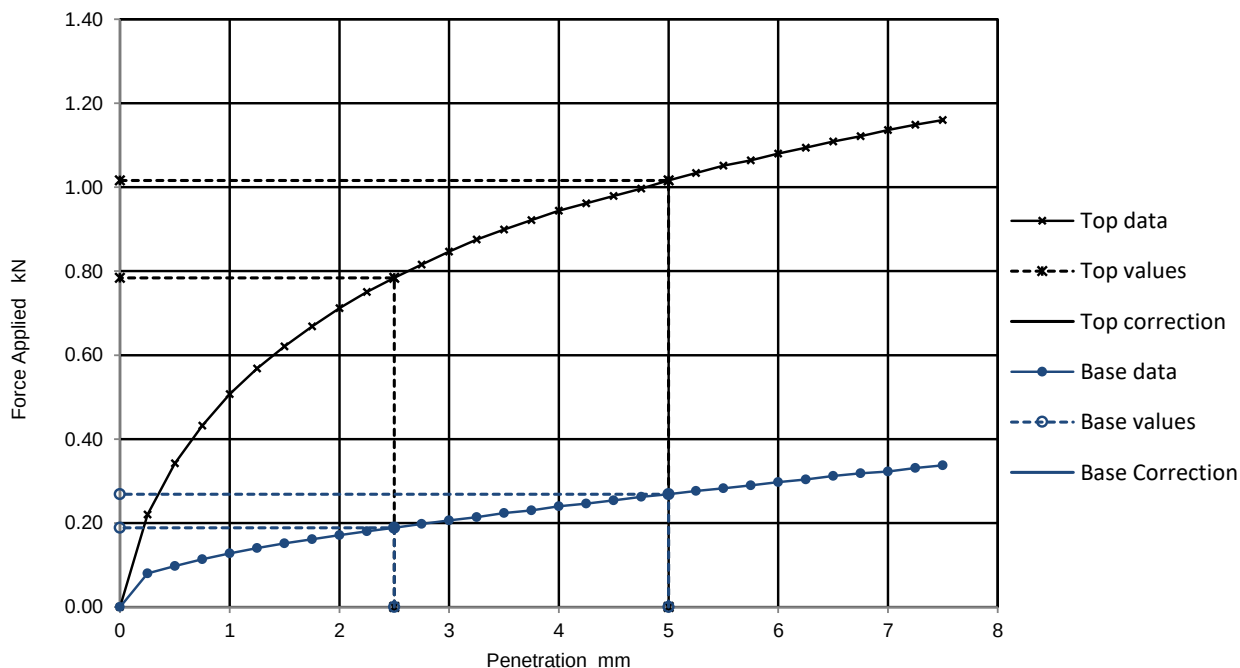
Time to surface 1 days

Amount of swell recorded 1.92 mm

Material retained on 20mm sieve removed 1 %

Initial Specimen details	Bulk density	1.87	Mg/m3	Surcharge applied	6	kg
	Dry density	1.60	Mg/m3		4	kPa
	Water content	16.6	%			

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	5.9	5.1	5.9	N/A
No	1.4	1.3	1.4	

Water Content %
20.7
29.1

Remarks

1



Test Report by K4 SOILS LABORATORY
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Checked and Approved

Initials: J.P

Date: 22/09/2025

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MSF-5-R16



California Bearing Ratio (CBR)

Job Ref	37772		
	Borehole/Pit No.		
Site Name	Holly Tree Farm		
Project No.	GE23094	Client	GESL
Soil Description	Brown slightly sandy silty CLAY		
Test Method	BS 1377-2:2022		

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Period of soaking 6 days

Time to surface 1 days

Amount of swell recorded 0.17 mm

Material retained on 20mm sieve removed 0 %

Initial Specimen details Bulk density 2.00 Mg/m3

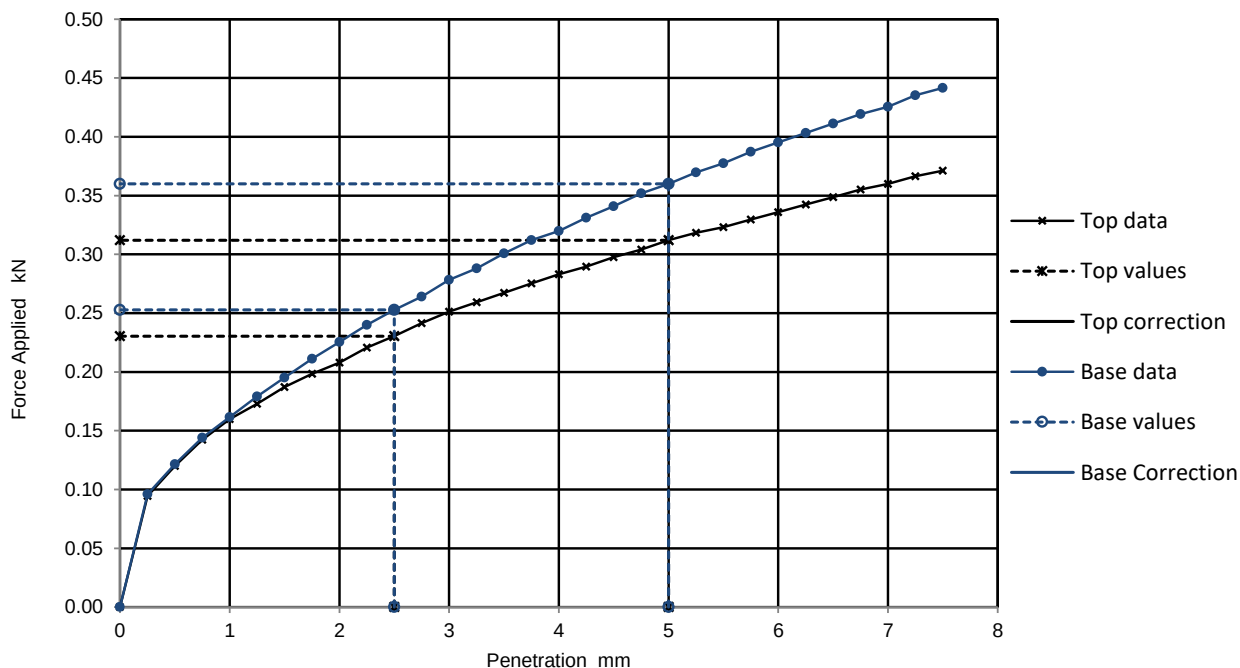
Dry density 1.65 Mg/m3

Water content 21.0 %

Surcharge applied 6 kg

4 kPa

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	1.8	1.6	1.8	1.8
No	1.9	1.8	1.9	

Water Content %
23.1
23.1

Remarks

1



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: 22/09/2025

2519

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

MSF-5-R16

APPENDIX D

Emails to Local Operators



From: [REDACTED]
To: [REDACTED]
Subject: Technical Resource Consultation - Boorley Green, Hampshire
Date: 23 June 2025 12:56:27
Attachments: [image798570.png](#)
[GE23078 - Site Location.pdf](#)
[GE23094 - Site Location Plan.pdf](#)

Hello,

We are currently writing a couple of Mineral Resource Assessments for two separate sites both located in Boorley Green, Hampshire (Maddoxford Farm grid ref 451533, 114552 and Holly Tree Farm grid ref 451454, 114184) as the Hampshire Minerals and Waste Local Plan has defined the sites to be within a mineral safeguarding area. I have attached site boundary plans for each of the sites.

As such, we need to consult with mineral operators who, more readily understand the economic and technical issues relevant to mineral extraction, to confirm with industry if the anticipated underlying ground conditions of the site; sand and gravel of the River Terrace Deposits in the eastern portion of both sites, overlying sand, silt and clay of the Wittering Formation, and sand silt and clay of the London Clay Formation in the northern portion of the Maddoxford Farm site only, is a commercially viable resource.

We just need a quick response to: Do you feel this is a viable mineral resource?

If you have any queries, please do not hesitate to get in touch,

Thanks in advance for your help,

Fiona Goode

MSc, BSc (Hons), FGS, RSoBRA
Senior Consultant Engineer

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