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Geo-Environmental Ordnance Survey Plan

Published 1976 - 1977

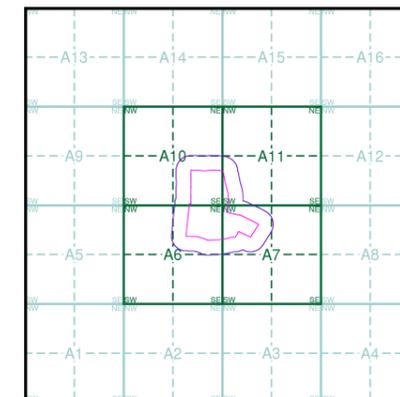
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TQ22SE	1977	1:10,000
TQ21NE	1976	1:10,000

Historical Map - Slice A



Order Details

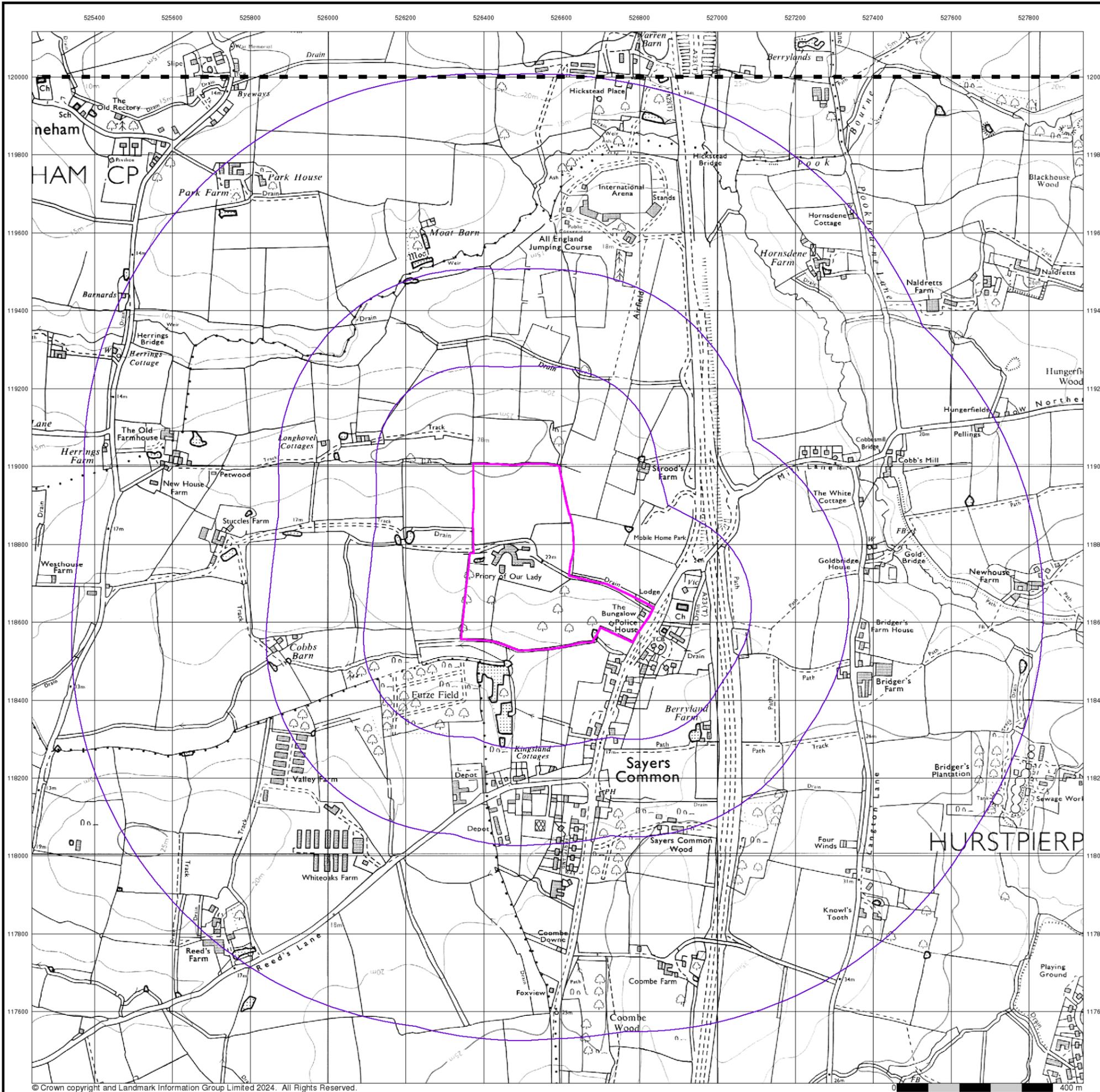
Order Number: 357836008_1_1
 Customer Ref: GE22666
 National Grid Reference: 526550, 118740
 Slice: A
 Site Area (Ha): 14.47
 Search Buffer (m): 1000

Site Details

L V S Hassocks, London Road, Sayers Common, HASSOCKS, BN6 9HT



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Geo-Environmental Ordnance Survey Plan

Published 1993 - 1994

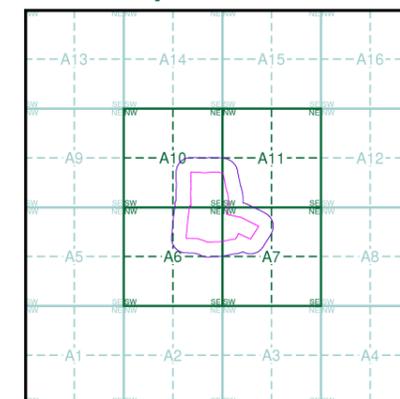
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TQ22SE	1994	1:10,000
TQ21NE	1993	1:10,000

Historical Map - Slice A



Order Details

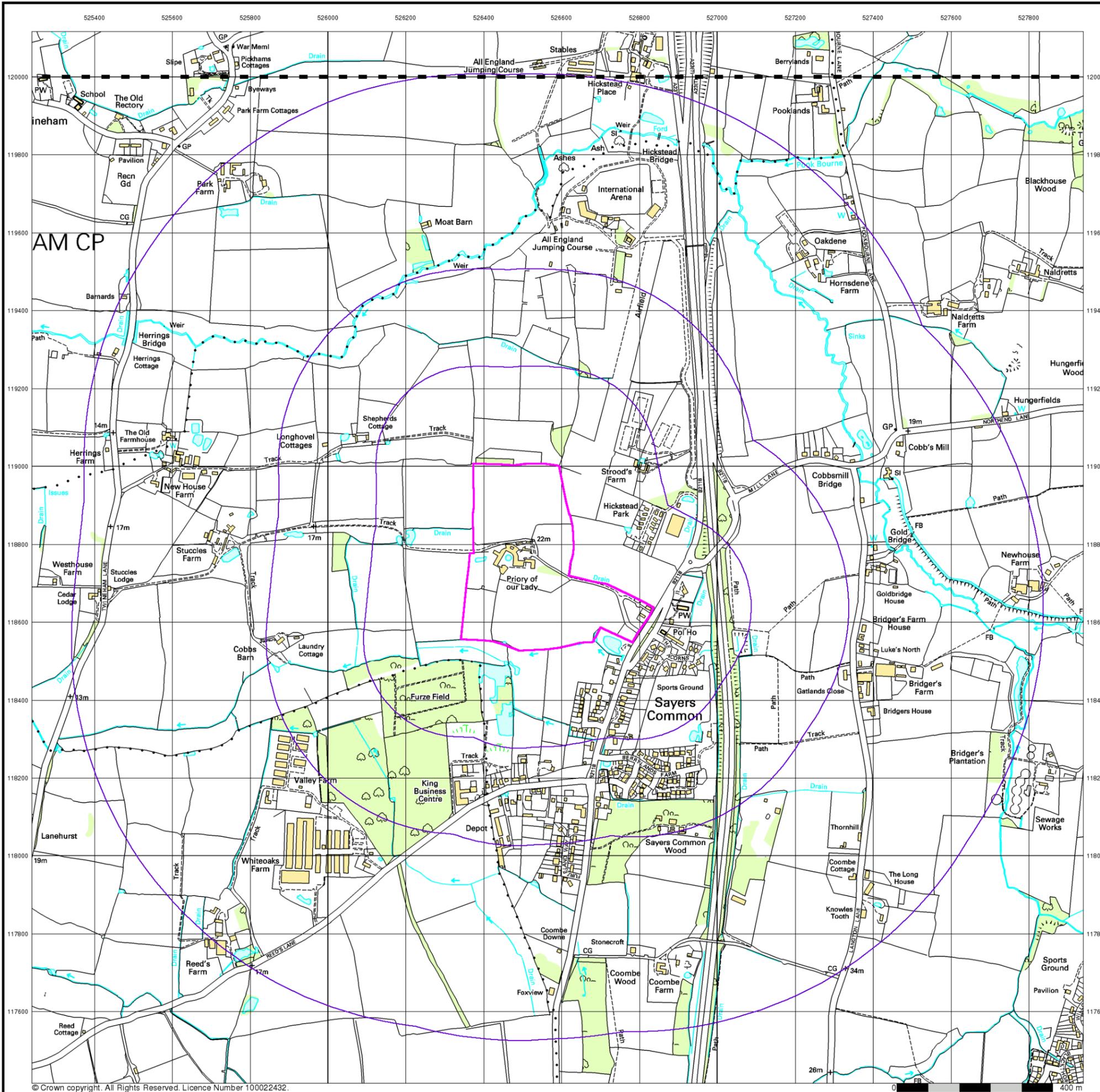
Order Number: 357836008_1_1
 Customer Ref: GE22666
 National Grid Reference: 526550, 118740
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Geo-Environmental 10k Raster Mapping

Published 2000

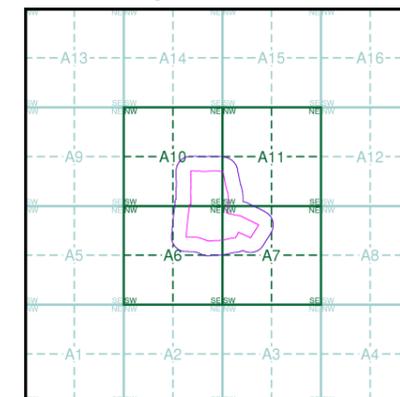
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TQ22SE	2000	1:10,000
TQ21NE	2000	1:10,000

Historical Map - Slice A



Order Details

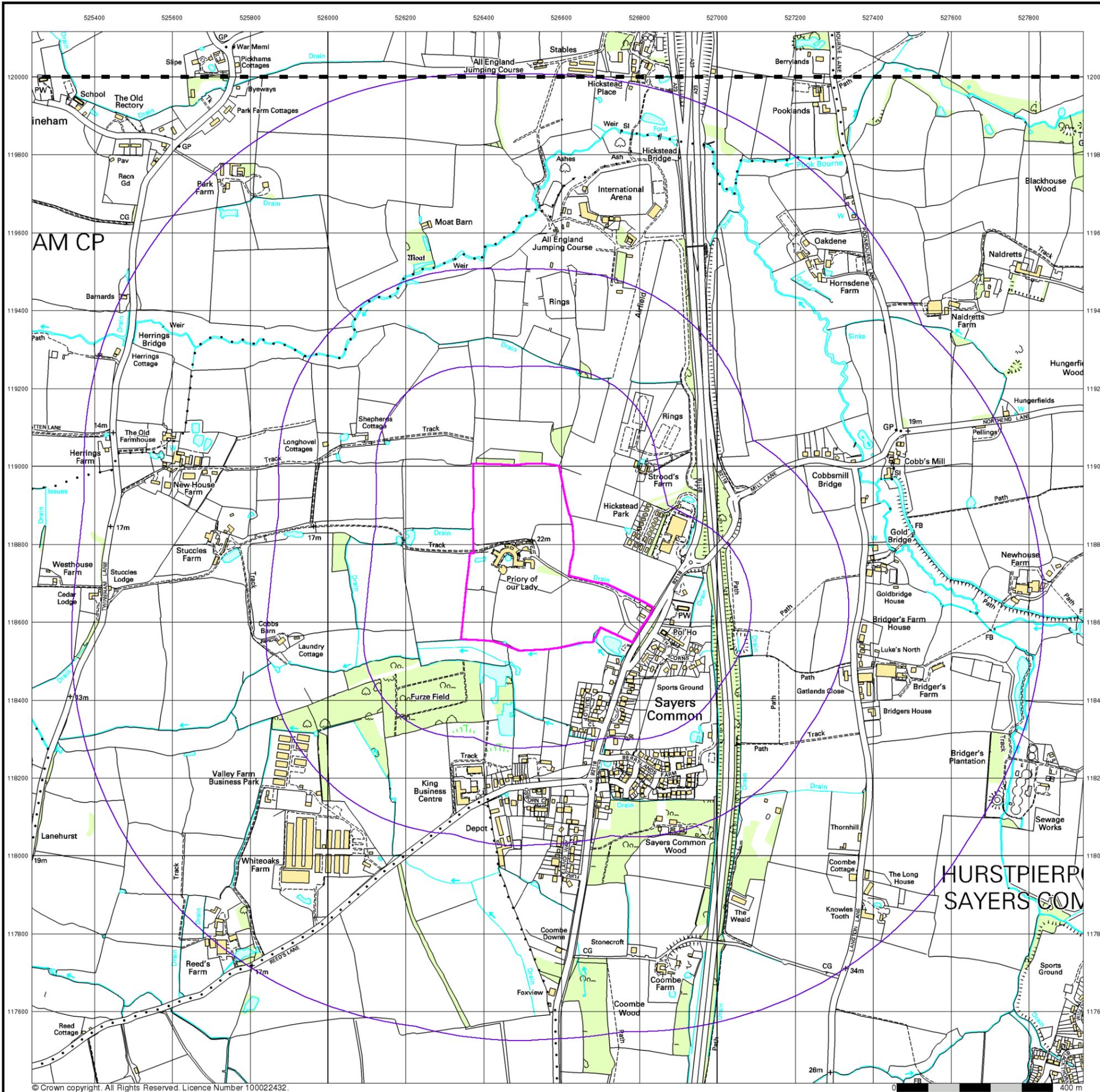
Order Number: 357836008_1_1
 Customer Ref: GE22666
 National Grid Reference: 526550, 118740
 Slice: A
 Site Area (Ha): 14.47
 Search Buffer (m): 1000

Site Details

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Geo-Environmental 10k Raster Mapping

Published 2006

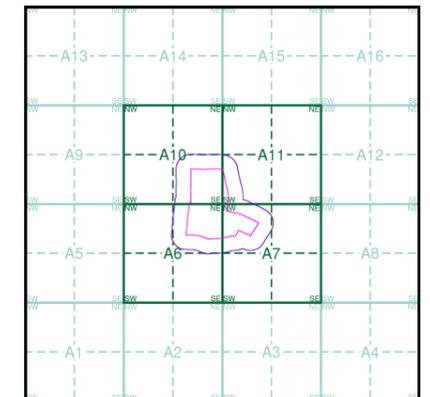
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TQ22SE	2006	1:10,000
TQ21NE	2006	1:10,000

Historical Map - Slice A



Order Details

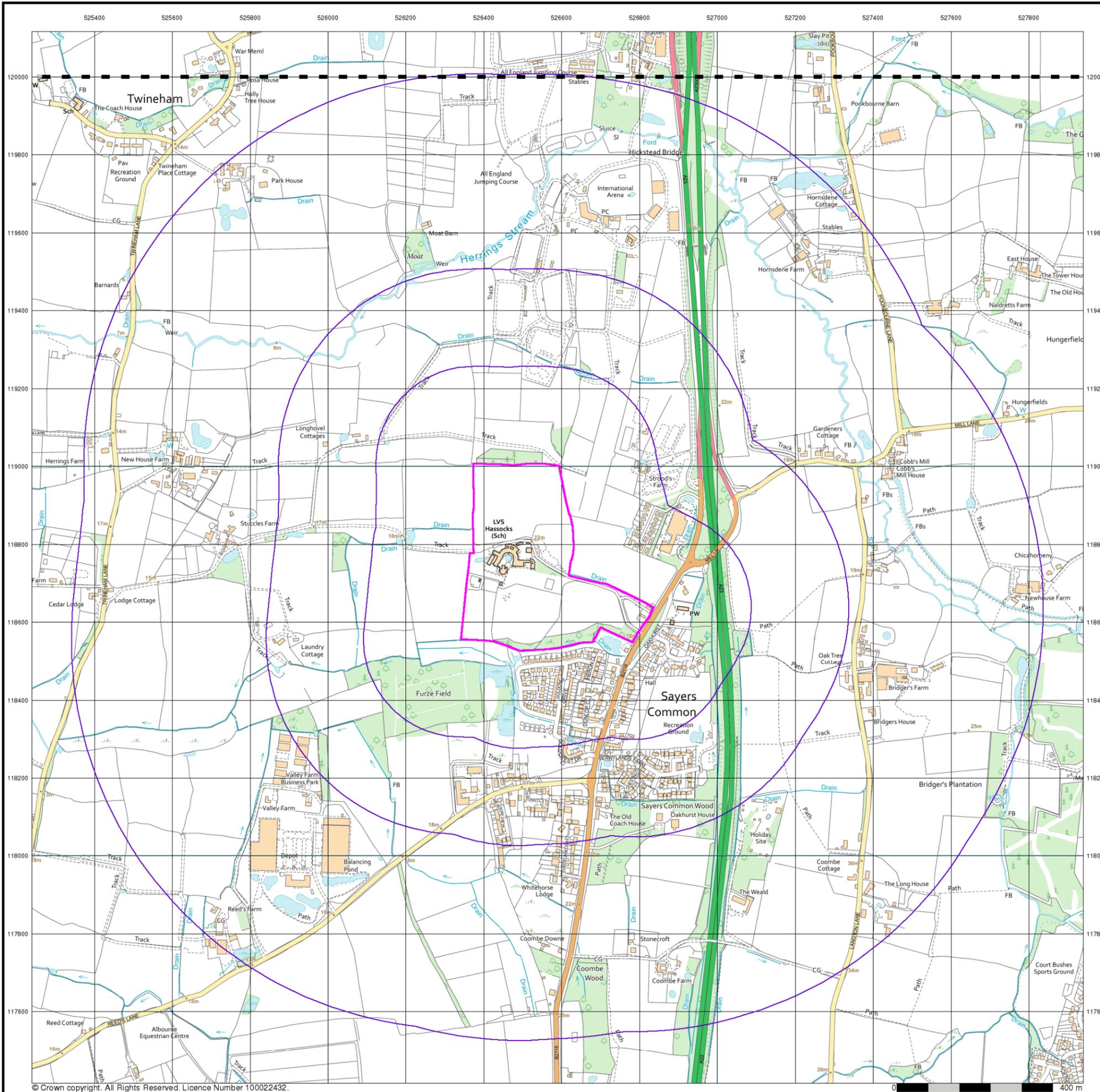
Order Number: 357836008_1_1
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Geo-Environmental VectorMap Local

Published 2024

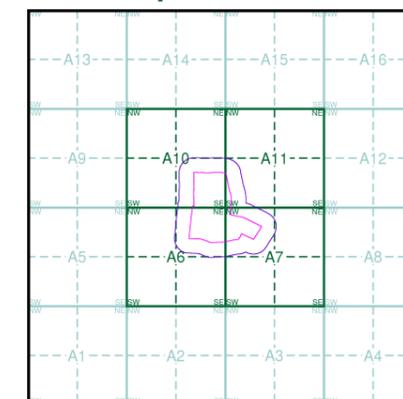
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

- TQ22SE | 2024 | Variable
- TQ21NE | 2024 | Variable

Historical Map - Slice A



Order Details

Order Number: 357836008_1_1
 Customer Ref: GE22666
 National Grid Reference: 526550, 118740
 Slice: A
 Site Area (Ha): 14.47
 Search Buffer (m): 1000

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APPENDIX B

Exploratory Hole Logs





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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS01

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526420E - 118966N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				Grass overlying brown slightly sandy silty clay with frequent rootlets. TOPSOIL	
		0.30						
		0.50	D				Very stiff orangish brown silty CLAY with orange staining and frequent rootlets. WEALD CLAY FORMATION	
		0.50	ES					
		0.50	PP	3.2kg/cm2	0.60			
		1.00	D				Stiff reddish brown, brown and pale grey silty CLAY with some rootlets. WEALD CLAY FORMATION	
		1.00	ES					
		1.00	PP	2.2kg/cm2	1.30			
		1.00	SPT	N=12 (0,1/1,3,3,5)				
		1.50	D				Stiff pale grey and bluish grey silty CLAY with some black ferruginous fragments and some dark brown to black stained decomposed rootlets. WEALD CLAY FORMATION	
	1.50	PP	2.3kg/cm2	1.80				
	2.00	D				Stiff grey very silty CLAY with some orange staining. WEALD CLAY FORMATION		
	2.00	PP	2.5kg/cm2	2.30				
	2.00	SPT	N=19 (2,3/5,6,4,4)					
	2.50	D				Very stiff becoming stiff friable brown and bluish grey silty CLAY with some black ferruginous fragments. WEALD CLAY FORMATION		
	2.50	PP	3.2kg/cm2					
	3.00	D						
	3.00	PP	3.8kg/cm2					
	3.00	SPT	N=27 (3,6/6,7,6,8)					
	3.50	D						
	3.50	PP	4.5kg/cm2					
	4.00	D		4.00				
	4.00	PP	2.8kg/cm2					
	4.00	SPT	N=23 (1,2/4,5,6,8)					
							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



Geo-Environmental www.gesl.net

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526533E - 118982N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	20/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30		Grass overlying brown slightly sandy silty clay with frequent rootlets. TOPSOIL	
		0.50	D				Very stiff orangish brown and pale grey silty CLAY with some rootlets. WEALD CLAY FORMATION	
		0.50	PP	5.0kg/cm2				
		0.70	D					
		1.00	D			1.10	Very stiff becoming stiff reddish brown, orangish brown and pale grey silty CLAY with rare rootlets. WEALD CLAY FORMATION	
		1.00	PP	3.5kg/cm2				
		1.00	SPT	N=12 (1,2/2,2,4,4)				
		1.50	D			1.60	Very stiff friable reddish brown and bluish grey silty CLAY with some black ferruginous staining. WEALD CLAY FORMATION	
		1.50	PP	2.2kg/cm2				
		2.00	D					
		2.00	PP	3.0kg/cm2			Very stiff greyish brown silty CLAY with black ferruginous inclusions. WEALD CLAY FORMATION	
		2.00	SPT	N=21 (1,3/4,5,5,7)				
	2.50	D						
	2.50	ES				Very stiff greyish brown silty CLAY with black ferruginous inclusions. WEALD CLAY FORMATION		
	2.50	PP	4.2kg/cm2					
	3.00	D			3.10			
	3.00	PP	5.0kg/cm2			<i>Black siltstone</i>		
	3.00	SPT	N=45 (5,6/8,11,12,14)					
	3.50	D						
	3.50	PP	3.8kg/cm2			End of Borehole at 4.00m		
	3.80	D						
	4.00	PP	5.0kg/cm2		4.00			
	4.00	SPT	N=41 (6,8/9,11,11,10)					

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526455E - 118881N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.30		Grass overlying brown silty CLAY. TOPSOIL	
		0.50	D					Stiff light grey mottled orangish brown silty CLAY. WEALD CLAY FORMATION
		0.70	ES		2.40			
		1.00	D	2.8kg/cm2				
		1.00	PP	N=6 (1,1/1,1,2,2)				
		1.50	D	3.0kg/cm2				
		1.50	PP					
		2.00	D	2.0kg/cm2				
		2.00	ES	N=16 (2,2/2,4,4,6)				
		2.00	PP					
	2.00	SPT						
	2.50	D	6.0kg/cm2					
	2.50	PP						
	3.00	D	2.9kg/cm2					
	3.00	PP	N=23 (5,5/6,5,5,7)					
	3.00	SPT						
	3.50	D	6.0kg/cm2					
	3.50	PP						
	4.00	D	6.0kg/cm2					
	4.00	PP	N=60					
	4.00	SPT	(6,17/12,13,12,23)					
				4.45			End of Borehole at 4.45m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			3.10	1.50	GW at 1.5m bgl after 30 minutes.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS04

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526413E - 118846N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.20		Grass overlying brown silty clay. TOPSOIL	
		0.50	D				Stiff to very stiff light grey mottled orangish brown silty slightly sandy CLAY. WEALD CLAY FORMATION	
		0.60	ES					
		1.00	D					
		1.00	PP	2.7kg/cm2				
		1.00	SPT	N=5 (1,1/1,1,1,2)				
		1.20 - 1.50	ES					At 1.1m: iron stained.
		1.50	D					1.5 to 2.8m: becoming very stiff.
		1.50	PP	3.2kg/cm2				
		2.00	D					
	2.00	PP	3.5kg/cm2					
	2.00	SPT	N=27 (3,4/6,6,7,8)					
	2.50	D						
	2.50	PP	3.7kg/cm2					
	2.70	SPT	N=65 (4,8/12,14,17,22)					
	2.80			2.80			Very stiff thinly laminated very closely fissured brown silty CLAY. Some fissures surfaces are iron stained. WEALD CLAY FORMATION	
	3.00	D						
	3.00	PP	5.1kg/cm2		3.15			
							End of Borehole at 3.15m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refused at 3.15m bgl.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS05

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526538E - 118912N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.30			Grass overlying brown silty slightly sandy clay. TOPSOIL	
		0.50	D						Stiff becoming very stiff orangish brown mottled light grey silty CLAY. WEALD CLAY FORMATION
		0.50	ES						
		1.00	D						
		1.00	ES						
		1.00	PP	2.1kg/cm2					
		1.00	SPT	N=6 (1,1/1,1,2,2)					
		1.50	D						
		1.50	PP	2.4kg/cm2					
		2.00	D						
2.00	PP	2.4kg/cm2							
2.00	SPT	N=36 (4,6/8,8,9,11)							
2.50	D								
2.50	PP	6.0kg/cm2							
2.80	D								
3.00	D								
3.00	PP	6.0kg/cm2							
3.00	SPT	N=54 (3,5/9,13,17,15)							
				3.30				End of Borehole at 3.30m	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refused at 3.3m bgl.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS06

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526608E - 118898N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	20/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
[Pattern]		0.10	ES		0.30		[Pattern]	Grass overlying brown slightly sandy silty clay with frequent rootlets. TOPSOIL	1
		0.50	D	4.5kg/cm2				0.90	
		0.50	PP						
		0.60	ES						
		1.00	D	N=10 (2,2/2,2,3,3)	1.20	[Pattern]	Stiff brown and off white friable very silty CLAY with some rootlets. WEALD CLAY FORMATION		
		1.00	SPT						
		1.50	D	2.9kg/cm2	2.40	[Pattern]	Stiff orangish brown and pale grey silty CLAY with black ferruginous fragments and some rootlets and roots 1-3m. WEALD CLAY FORMATION		
		1.50	PP						
		2.00	D	4.1kg/cm2	2.60	[Pattern]	Black and dark orangish/reddish brown MUDSTONE. WEALD CLAY FORMATION		
		2.00	PP						
2.00	SPT	N=19 (3,3/4,4,4,7)	2.80	[Pattern]	Very stiff brown, orangish brown and pale grey silty CLAY with some black and reddish brown ferruginous fragments. WEALD CLAY FORMATION <u>Roots 2mm.</u>				
3.00	D								
3.00	PP	2.8kg/cm2	4.00	[Pattern]	End of Borehole at 4.00m				
3.00	SPT					N=32 (3,4/6,7,10,9)			
3.50	D	3.0kg/cm2	4.00	[Pattern]					
3.50	PP								
4.00	D	3.8kg/cm2	4.00	[Pattern]					
4.00	ES								
4.00	PP								
4.00	SPT	N=22 (4,6/6,5,5,6)						4	

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS07

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526549E - 118861N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES				Grass overlying brown silty slightly sandy clay. TOPSOIL	
					0.30		Brown silty CLAY. WEALD CLAY FORMATION	
		0.50 0.50	D ES		0.60		Very stiff light grey mottled orangish brown slightly silty CLAY. WEALD CLAY FORMATION	
		1.00 1.00 1.00	D PP SPT	4.2kg/cm2 N=6 (1,1/1,1,2,2)				1
		1.50 1.50	D PP	4.8kg/cm2				
		2.00 2.00 2.00 2.00	D ES PP SPT	4.9kg/cm2 N=23 (2,3/3,5,7,8)	2.20			2
		2.50 2.50	D PP	6.0kg/cm2				
		3.00 3.00 3.00	D PP SPT	6.0kg/cm2 N=37 (5,7/7,8,11,11)				3
		3.50 3.50	D PP	6.0kg/cm2				
		4.00 4.00 4.00	D PP SPT	6.0kg/cm2 N=78 (5,7/13,22,21,22)	4.45			4
							End of Borehole at 4.45m	5

At 3.8m: silt laminations.

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



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS08

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526620E - 118837N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES				Grass overlying brown slightly sandy silty clay with frequent rootlets. TOPSOIL		
		0.50 0.50 0.60	D PP ES	5.0kg/cm2	0.40		Very stiff orangish brown and pale grey silty CLAY. WEALD CLAY FORMATION		
		1.00 1.00 1.00	D PP SPT	4.0kg/cm2 N=7 (1,1/2,2,2,1)	1.30		Very stiff brown, orangish brown and pale grey silty CLAY with some lenses of weak siltstone with some roots 1-2mm and black ferruginous staining. WEALD CLAY FORMATION	1	
		1.50 1.50	D PP	3.6kg/cm2					
		2.00 2.00	D SPT	N=16 (2,3/4,4,5,3)	2.10		Very stiff brown and bluish grey silty CLAY with reddish brown staining. WEALD CLAY FORMATION	2	
		2.50 2.50	D PP	4.0kg/cm2					
		2.80	ES						
		3.00 3.00 3.00	D PP SPT	4.1kg/cm2 N=29 (7,8/6,8,8,7)			Poor recovery	3	
		3.50	D						
		4.00 4.00	D SPT	N=37 (6,7/8,11,9,9)	4.00		Some weak siltstone	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	



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS09

Sheet 1 of 2

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526564E - 118831N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	20/08/2024	Logged By	TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50 0.50	D ES				Grass overlying light greyish brown silty slightly sandy slightly gravelly clay. Sand is fine to coarse. Gravel is fine to coarse sub-angular brick, concrete and rarely tarmacadam. MADE GROUND		
		1.00 1.00 1.00	D PP SPT	4.0kg/cm2 N=12 (2,1/2,3,3,4)	1.10		Greyish brown slightly sandy slightly gravelly clay. Gravel is fine to coarse sub-angular to sub-rounded flint, brick, rare tarmacadam. MADE GROUND	1	
		1.50 1.50 1.50	D ES PP	3.7kg/cm2					
		2.00 2.00 2.00 2.00	D ES PP SPT	3.9kg/cm2 N=9 (1,1/2,2,2,3)	1.90		Very stiff dark greyish brown silty CLAY with decaying rootlets. Possibly relict topsoil. WEALD CLAY FORMATION	2	
		2.50 2.50	D PP	4.0kg/cm2	2.40		Very stiff light grey mottled light orangish brown silty CLAY WEALD CLAY FORMATION		
							<u>At 2.8m: iron staining.</u>		
		3.00 3.00 3.00	D PP SPT	4.0kg/cm2 N=15 (1,2/4,4,3,4)				3	
		3.50 3.50	D PP	3.9kg/cm2	3.70				
		4.00 4.00 4.00	D PP SPT	4.9kg/cm2 N=45 (3,6/8,15,13,9)	4.10		Very stiff thinly laminated very closely fissured reddish brown mottled light grey silty CLAY. WEALD CLAY FORMATION	4	
		4.50 4.50 4.60	D PP SPT	6.0kg/cm2 N=53 (6,7/12,10,14,17)	4.50		Extremely weak light grey SILTSTONE. WEALD CLAY FORMATION		
							Very stiff thinly to thickly laminated closely fissured yellowish grey silty CLAY. With iron stain on fissured surfaces. WEALD CLAY FORMATION		
		5.00	D		5.00			5	

Continued on Next Sheet

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	AGS
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
					On top of earthworks bund.	Status FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS09

Sheet 2 of 2

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526564E - 118831N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

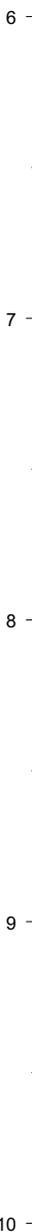
Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PP	6.0kg/cm2			End of Borehole at 5.00m	



Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					On top of earthworks bund.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS10

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526607E - 118749N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

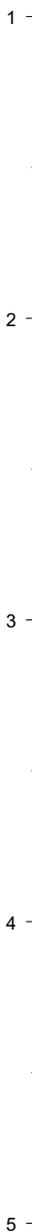
Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 0.30	D ES		0.40		Grey silty gravelly fine to coarse sand. Gravel is fine to coarse sub-angular brick, concrete and limestone. MADE GROUND	
								Stiff to very stiff orangish brown mottled light grey silty CLAY. WEALD CLAY FORMATION
		1.00 1.00 1.00 1.00	D ES PP SPT	2.9kg/cm2 N=12 (1,2/3,3,3,3)	1.70			Very dense light grey silty fine SAND. WEALD CLAY FORMATION
		1.50 1.50	D PP	5.0kg/cm2				
		2.00 2.00	D SPT	N=72 (3,4/10,14,22,26)	2.00		End of Borehole at 2.00m	



Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					In former parking area. Refused at 2m bgl in sand layer.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS11

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526441E - 118785N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 21/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	ES				Grass overlying brown sandy gravelly clay with abundant brick and concrete. MADE GROUND		
		1.00	SPT	N=7 (1,1/1,2,2,2)	1.10			1	
		1.20	ES				Stiff orangish brown and pale grey silty CLAY with some brown stained decomposed rootlets. WEALD CLAY FORMATION		
		1.50 1.50	D PP	2.8kg/cm2					
		1.80	ES						
		2.00 2.00 2.00	D PP SPT	2.6kg/cm2 N=20 (3,4/4,4,5,7)	2.20			2	
		2.50 2.50 2.60	D PP SPT	3.1kg/cm2 71 (10,11/71 for 225mm)	2.70		Stiff reddish brown brown and bluish grey mottled silty CLAY with some black ferruginous fragments. WEALD CLAY FORMATION		
							Brown friable silty CLAY to weak siltstone. WEALD CLAY FORMATION		
		3.00	D		3.00		End of Borehole at 3.00m	3	
								4	
								5	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refusal at 3.0m bgl. Hole relocated c. 3m W due to refusal at 0.20m bgl on concrete in first hole.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS12

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526393E - 118744N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.30		Grass overlying brown silty clay with frequent rootlets. TOPSOIL	1 2 3 4 5	
		0.50 0.50 0.60	D PP ES	3.8kg/cm2					Very stiff orangish brown and pale grey silty CLAY with some rootlets. WEALD CLAY FORMATION
		1.00 1.00 1.00	D PP SPT	4.0kg/cm2 N=15 (1,2/3,3,4,5)	1.10				Stiff brown silty CLAY with black ferruginous fragments WEALD CLAY FORMATION
		1.50 1.50 1.50	D ES PP	2.8kg/cm2			1.60		
		2.00 2.00 2.00	D PP SPT	2.3kg/cm2 N=20 (2,3/5,4,5,6)	2.80				
		2.50 2.50	D PP	2.6kg/cm2			2.80		
		3.00 3.00	D SPT	N=45 (3,5/8,12,11,14)	3.00				
		3.50	D				3.70		
		3.70	SPT	N=61 (8,11/10,16,17,18)	4.00				
		4.00	D				4.00		

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



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS13

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526496E - 118781N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 21/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50	ES				Grass overlying brown sandy gravelly clay with frequent brick and concrete fragments. MADE GROUND		
		1.00	SPT	N=20 (8,6/6,4,5,5)	1.20		Concrete and brick rubble MADE GROUND	1	
		1.80	ES		1.60		Stiff orangish brown and pale bluish grey silty clay with occasional flint gravel. MADE GROUND		
		2.00	SPT	N=11 (4,3/3,2,2,4)	2.30		Pea shingle MADE GROUND	2	
					2.40		Orangish brown and pale bluish grey silty clay MADE GROUND		
					2.45		End of Borehole at 2.45m	3	
								4	
								5	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Encountered pea shingle in SPT at 2.0m bgl. Hole abandoned and repositioned across car park. No evidence of service strike.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS13A

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526508E - 118783N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 21/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Wood chipping overlying dark brown to black clayey fine sand with some wood chipping and twigs. MADE GROUND <u>Black weed membrane</u>		
		0.60	ES		0.50		Orangish brown and pale grey silty gravelly clay with concrete and brick. MADE GROUND		
		1.00	D		0.90		Stiff orangish brown and pale bluish grey silty CLAY with reddish orange staining, occasional rootlets and some dark brown stained decomposed rootlets. WEALD CLAY FORMATION	1	
		1.00	SPT	N=12 (0,2/2,3,3,4)					
		1.20	ES						
		1.50	D		1.80		Very stiff friable orange, brown and bluish grey silty CLAY with some black ferruginous fragments. WEALD CLAY FORMATION	2	
		1.50	PP	2.3kg/cm2					
		2.00	D						
		2.00	PP	4.5kg/cm2					
		2.00	SPT	N=29 (4,4/6,7,8,8)					
		2.20	ES						
		2.50	D				End of Borehole at 3.00m	3	
		2.50	PP	3.8kg/cm2					
		3.00	D		3.00				
		3.00	PP	3.2kg/cm2					
		3.00	SPT	N=69 (6,6/8,12,18,31)				4	
								5	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refusal at 3.0m bgl.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS14

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526467E - 118748N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	21/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
							Grass overlying brown sandy gravelly clay with brick and concrete. MADE GROUND		
		0.50	ES		0.80				
		1.00 1.00 1.00 1.00	D ES PP SPT	1.4kg/cm2 N=11 (2,2/2,3,3,3)	1.60		Firm to very stiff brown, orangish brown and bluish grey mottled silty CLAY with some selenite crystals and some rootlets. WEALD CLAY FORMATION	1	
		1.50 1.50	D PP	3.4kg/cm2	2.60		Stiff brown, orangish brown and bluish grey silty CLAY with some bands of ironstone. WEALD CLAY FORMATION	2	
		2.00 2.00 2.00 2.20	D PP SPT ES	3.0kg/cm2 N=21 (2,3/5,4,6,6)	3.00		Very stiff brown orangish brown and some bluish grey silty CLAY with some weakly cemented siltstone. WEALD CLAY FORMATION	3	
		2.50 2.50	D PP	2.8kg/cm2					
		3.00 3.00 3.00	D PP SPT	4.3kg/cm2 N=66 (3,4/11,17,19,19)			End of Borehole at 3.00m	4	
								5	

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS15

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526535E - 118736N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	21/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.20		Sparse grass overlying brown sandy gravelly clay with some brick fragments and frequent rootlets and roots 1-10mm.		
		0.30	ES		0.40		MADE GROUND Pale grey to off white very sandy gravelly cobbly clay with some rootlets and roots 1-15mm.		
		0.50	D				WEALD CLAY FORMATION		
		0.50	PP	3.2kg/cm2			Very stiff friable brown and orangish brown silty CLAY with some rootlets		
		0.60	ES		0.70		WEALD CLAY FORMATION		
		1.00	D				Stiff orangish brown and pale grey silty CLAY with reddish orange staining.		
		1.00	PP	2.5kg/cm2			WEALD CLAY FORMATION		
		1.00	SPT	N=13 (2,2/3,3,3,4)					
		1.50	D			1.70			
		1.50	PP	2.4kg/cm2			Stiff friable greyish brown and orangish brown silty CLAY with some bands of bluish grey silty clay with reddish brown stained decomposed organic material and bands of selenite crystals.		
	2.00	D				WEALD CLAY FORMATION			
	2.00	SPT	N=19 (4,3/4,5,5,5)						
	2.50	D							
	2.50	ES							
	2.50	PP	2.1kg/cm2			<u>Dark brown to black mudstone.</u>			
	3.00	D			3.00				
	3.00	SPT	N=60 (3,5/8,13,17,22)			End of Borehole at 3.00m			

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS16

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526497E - 118704N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	20/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30			Grass overlying brown slightly sandy silty clay with some brick fragments. MADE GROUND	
		0.50	D		0.60			Very stiff orangish brown and pale bluish grey silty CLAY with some rootlets. WEALD CLAY FORMATION	
		0.50	ES		0.60				
		0.50	PP	3.8kg/cm2	0.60			Stiff reddish brown and pale grey silty CLAY with some rootlets. WEALD CLAY FORMATION	
		0.70	PP	1.8kg/cm2	0.80			Stiff to very stiff pale grey and brown silty CLAY with some reddish brown staining. WEALD CLAY FORMATION	1
		1.00	D		1.60				
		1.00	PP	2.8kg/cm2	1.60			Very stiff greyish brown silty CLAY to weakly cemented siltstone. WEALD CLAY FORMATION	
		1.00	SPT	N=8 (0,1/2,2,2,2)	2.20			Very stiff reddish brown and pale grey silty CLAY with some dark reddish brown decomposed rootlets. WEALD CLAY FORMATION	2
		1.50	D		2.20				
		1.50	PP	4.1kg/cm2	2.20			Very stiff reddish brown and pale grey silty CLAY with some dark reddish brown decomposed rootlets. WEALD CLAY FORMATION	
		2.00	D		3.10				
		2.00	PP	4.2kg/cm2	3.10			Stiff to very stiff greyish brown and orangish brown silty CLAY. WEALD CLAY FORMATION	3
2.00	SPT	N=22 (2,4/4,5,6,7)	3.10						
2.50	D		4.00						
2.50	PP	4.1kg/cm2	4.00			End of Borehole at 4.00m	4		
2.80	ES								
3.00	D								
3.00	PP	2.9kg/cm2							
3.00	SPT	N=25 (3,3/5,6,7,7)							
3.50	D								
3.50	PP	3.5kg/cm2							
4.00	D								
4.00	SPT	N=38 (6,7/7,8,11,12)							

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS17

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526380E - 118654N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
[Pattern]		0.10	ES		0.30		[Pattern]	Grass overlying brown silty clay with rootlets. TOPSOIL	1 2 3 4 5	
		0.50	D					Stiff to very stiff light grey mottled light orangish brown silty slightly sandy CLAY. Possibly desiccated. WEALD CLAY FORMATION		
		0.50	ES	2.9kg/cm2						
		0.50	PP							
		1.00	D		3.1kg/cm2 N=16 (1,2/4,3,4,5)	1.40	[Pattern]			At 0.7m: <u>decaying root.</u>
		1.00	PP							
		1.00	SPT							
		1.50	D			1.70	[Pattern]			At 1.3m: <u>iron staining.</u>
		1.50	ES	3.1kg/cm2						
		1.50	PP							
		2.00	D		4.2kg/cm2 N=32 (2,5/6,6,8,12)	2.40	[Pattern]			Very stiff very closely fissured reddish brown slightly silty CLAY. WEALD CLAY FORMATION
		2.00	PP							
2.00	SPT									
2.50	D			3.10	[Pattern]		Very stiff very closely fissured light grey to grey occasionally mottled orangish brown silty CLAY. WEALD CLAY FORMATION			
2.50	PP	5.3kg/cm2								
3.00	D		5.1kg/cm2 N=28 (3,5/5,7,7,9)	3.10	[Pattern]		Very stiff thinly laminated very closely fissured light yellowish grey silty CLAY. WEALD CLAY FORMATION			
3.00	PP									
3.00	SPT									
3.50	D			4.45	[Pattern]		Very stiff thinly laminated very closely fissured light yellowish grey silty CLAY. Iron staining on fissured surfaces. WEALD CLAY FORMATION			
3.50	PP	5.7kg/cm2								
4.00	D		6.0kg/cm2 N=50 (3,5/5,8,11,26)	4.45	[Pattern]		End of Borehole at 4.45m			
4.00	PP									
4.00	SPT									

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



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS18

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526384E - 118603N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 20/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES				Grass overlying brown silty clay with frequent rootlets and roots 1-2mm. TOPSOIL		
					0.30				
		0.50	D				Stiff reddish brown silty CLAY with some rootlets. WEALD CLAY FORMATION		
		0.50	ES						
		0.50	PP	2.3kg/cm2	0.60				
		1.00	D				Stiff pale grey, orangish brown and greyish brown very silty CLAY with some black ferruginous fragments and occasional rootlets. WEALD CLAY FORMATION		
		1.00	PP	2.0kg/cm2					
		1.00	SPT	N=14 (2,1/3,3,4,4)	1.20				
		1.30	D				Stiff reddish brown silty CLAY with occasional black ferruginous fragments. WEALD CLAY FORMATION		
		1.30	PP	3.0kg/cm2	1.40				
		1.50	D				Stiff pale grey, orangish brown and greyish brown silty CLAY with some white concretions of fine gravel size. WEALD CLAY FORMATION		
		1.50	PP	1.8kg/cm2					
		1.80	ES		1.80				
		2.00	D				Stiff pale greyish brown and grey very silty CLAY/very clayey SILT. WEALD CLAY FORMATION		
		2.00	SPT	N=31 (7,6/6,7,10,8)	2.20				
		2.50	D				Very stiff friable brown and orangish brown silty CLAY. WEALD CLAY FORMATION		
		2.50	PP	4.5kg/cm2					
		2.80	SPT	N=58 (5,7/9,14,17,18)	2.80				
		3.00	D		3.00		Very stiff grey and orangish brown silty CLAY. WEALD CLAY FORMATION		
		3.00	PP	3.9kg/cm2					
							End of Borehole at 3.00m		

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refusal at 3.0 m bgl.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS19

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526458E - 118673N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	19/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.30		Grass overlying brown sandy gravelly clay with some brick fragments and frequent rootlets. MADE GROUND	
		0.50	D		0.60		Very stiff orangish brown silty sandy CLAY with rootlets and orange staining. WEALD CLAY FORMATION	
		0.50	PP	3.8kg/cm2				
			0.70	ES		1.10		Stiff orangish brown and pale grey slightly gravelly silty CLAY with some rootlets. WEALD CLAY FORMATION
		1.00	D					
		1.00	PP	2.4kg/cm2		1.60		Stiff pale grey and orangish brown silty gravelly very sandy CLAY. Sand is fine. Gravel is fine to coarse sub angular ironstone. WEALD CLAY FORMATION
		1.00	SPT	N=10 (2,3/2,2,2,4)				
			1.50	D		2.10		Stiff orangish brown and pale grey silty CLAY with frequent black ferruginous fragments. WEALD CLAY FORMATION
		1.50	PP	1.9kg/cm2				
			2.00	D		2.60		Brown and reddish brown friable silty CLAY. WEALD CLAY FORMATION
		2.00	PP	2.1kg/cm2				
		2.00	SPT	N=22 (1,3/4,5,6,7)		3.00		Very stiff friable grey and dark bluish grey silty CLAY with occasional orange and black ferruginous staining. WEALD CLAY FORMATION
	2.50	D						
		2.70	ES		4.00		End of Borehole at 4.00m	
	3.00	D						
	3.00	PP	4.2kg/cm2					
	3.00	SPT	N=45 (6,13/15,9,11,10)					
		3.50	D					
	3.60	SPT	N=45 (6,6/8,10,13,14)					
		4.00	D					

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS20

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526451E - 118625N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.10	ES		0.30			Grass overlying greyish brown silty clay with roots. TOPSOIL		
		0.50 0.50	D ES					Stiff light brown mottled light orangish brown silty slightly sandy CLAY. WEALD CLAY FORMATION		
		1.00 1.00 1.00	D PP SPT	4.3kg/cm2 N=7 (1,1/1,2,2,2)	0.90 1.10			Very stiff reddish brown silty slightly gravelly CLAY. Gravel is fine iron stained mudstone. WEALD CLAY FORMATION		1
		1.50 1.50	D PP	4.0kg/cm2			Very stiff light grey mottled light orangish brown silty slightly sandy CLAY. WEALD CLAY FORMATION			
		2.00 2.00 2.00	D PP SPT	4.3kg/cm2 N=22 (2,3/3,5,6,8)	2.40			Very stiff thinly to thickly laminated closely fissured light yellowish brown silty CLAY. WEALD CLAY FORMATION		2
		2.50 2.50	D PP	4.4kg/cm2						
		3.00 3.00 3.00	D PP SPT	5.1kg/cm2 N=37 (6,8/9,9,10,9)	3.60			Very stiff thinly to thickly laminated closely fissured yellowish grey silty CLAY. In places extremely weak mudstone. Some fissures are iron stained. WEALD CLAY FORMATION		3
		3.50 3.50	D PP	6.0kg/cm2						
		4.00 4.00 4.00	D PP SPT	6.0kg/cm2 N=37 (4,6/8,1,13,15)	4.45					4
										End of Borehole at 4.45m

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



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS21

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526596E - 118691N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 21/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30		Grass overlying brown slightly sandy slightly gravelly silty clay with frequent rootlets and roots 1-5mm. TOPSOIL		
		0.50 0.50	D PP	4.5kg/cm2					Very stiff orangish brown and pale grey silty CLAY with frequent black ferruginous fragments and some rootlets and roots 1-15mm. WEALD CLAY FORMATION
		0.80	ES		1.20		Reddish brown friable silty CLAY. WEALD CLAY FORMATION		
		1.00 1.00 1.00	D PP SPT	3.8kg/cm2 N=25 (3,4/4,7,7,7)					Very stiff pale grey and orangish brown silty CLAY with black ferruginous staining and some dark brown stained decomposed rootlets. WEALD CLAY FORMATION
		1.50 1.50	D PP	4.5kg/cm2					
		2.00 2.00 2.00 2.20	D PP SPT ES	4.1kg/cm2 N=28 (4,5/5,6,8,9)	2.50		Very stiff friable silty CLAY infill black ferruginous staining. WEALD CLAY FORMATION		
		2.50	D						
		3.00 3.00	D SPT	N=31 (3,3/7,7,8,9)	3.40		Very stiff friable greyish brown and orangish brown silty CLAY with occasional fragments of dark brown to black mudstone of fine gravel size. WEALD CLAY FORMATION		
		3.50 3.50	D PP	3.8kg/cm2					
		4.00 4.00	D SPT	N=55 (7,9/15,12,12,16)	4.00		End of Borehole at 4.00m		

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



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Unit 7, Danworth Farm
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BN6 9GL

Borehole Log

Borehole No.

WS22

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526555E - 118626N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15		Grass overlying greyish brown silty clay with roots. TOPSOIL		
		0.50	D				Possible MADE GROUND comprising very stiff light grey mottled brown silty clay. MADE GROUND		
		0.50	ES						
		0.50	PP	6.0kg/cm2	0.70				
		1.00	D				Very stiff light grey mottled light orangish brown silty CLAY. WEALD CLAY FORMATION		
		1.00	PP	6.0kg/cm2					
		1.00	SPT	N=15 (1,2/3,3,4,5)	1.25				
		1.50	D				Very stiff very closely fissured reddish brown silty CLAY. WEALD CLAY FORMATION		
		1.50	PP	5.1kg/cm2	1.80				
		2.00	D				Very stiff light grey mottled light orangish brown slightly silty slightly sandy CLAY. Sand is fine. WEALD CLAY FORMATION		
		2.00	ES						
		2.00	PP	5.2kg/cm2	2.10				
		2.00	SPT	N=18 (2,2/4,3,4,7)	2.40		Very stiff thinly laminated closely fissured silty CLAY. WEALD CLAY FORMATION		
		2.50	D						
		2.50	PP	5.8kg/cm2	3.00				
		3.00	D				Very stiff thinly to thickly laminated closely fissured silty CLAY. Some fissures and laminations are iron stained. WEALD CLAY FORMATION		
		3.00	PP	6.0kg/cm2					
		3.00	SPT	N=49 (3,6/8,12,14,15)	3.40				
		3.50	D				Extremely weak thinly to thickly laminated closely fractured MUDSTONE. Some fractures are iron stained. WEALD CLAY FORMATION		
		3.50	PP	6.0kg/cm2					
		3.70	SPT	N=43 (5,7/8,8,11,16)	4.00				
		4.00	D				End of Borehole at 4.15m		
		4.00	PP	6.0kg/cm2	4.15				

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Sampler refused at 3.7m bgl. Located on area which may be made up ground / fill.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS23

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526504E - 118551N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.30			Grass overlying brown silty clay with roots. TOPSOIL	1
		0.50	D	2.1kg/cm2					
		0.50	ES						
		0.50	PP						
		0.90	D		1.9kg/cm2 N=6 (1,1/1,1,2,2)		Stiff reddish brown slightly silty CLAY. WEALD CLAY FORMATION		
		1.00	PP						
		1.00	SPT						
		1.50	D	4.1kg/cm2		Very stiff light grey silty CLAY. WEALD CLAY FORMATION			
		1.50	PP						
		2.00	D	4.0kg/cm2 N=19 (1,2/3,4,4,8)		Dense light yellowish grey silty fine SAND. WEALD CLAY FORMATION	2		
2.00	ES								
2.00	PP								
2.00	SPT								
2.50	D	5.6kg/cm2 50 (25 for 80mm/50 for 70mm)		Very stiff very closely fissured reddish brown slightly silty CLAY. WEALD CLAY FORMATION	3				
2.50	PP								
2.60	SPT								
3.00	D			Extremely weak thinly to thickly laminated very closely fractured light yellowish grey MUDSTONE. WEALD CLAY FORMATION	4				
3.05				End of Borehole at 3.05m					

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refused at 3.05m bgl.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS24

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526618E - 118650N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15		Grass overlying light brown silty clay with roots. TOPSOIL		
		0.50 0.50 0.60	D PP ES	4.0kg/cm2			Very stiff reddish brown slightly silty CLAY. Possibly desiccated. WEALD CLAY FORMATION		
		1.00 1.00 1.00	D PP SPT	4.2kg/cm2 N=9 (1,1/2,2,2,3)	0.90		Very stiff yellowish grey mottled light orangish brown silty sandy CLAY. Sand is fine. Possibly desiccated. WEALD CLAY FORMATION	1	
		1.50 1.50	D PP	2.5kg/cm2	1.30		Stiff light grey mottled light orangish brown silty CLAY. WEALD CLAY FORMATION <i>At 1.5m: laminations of fine sand.</i>		
		2.00 2.00 2.00	D PP SPT	3.0kg/cm2 N=16 (2,2/2,3,4,7)	2.10		Very stiff light greyish brown silty CLAY with rare rootlets and fine white gypsum / calcite crystals. WEALD CLAY FORMATION	2	
		2.40 2.50	D PP	4.7kg/cm2	2.50		Very stiff thickly lamibated closely fissured yellowish brown silty CLAY. Fissures have iron stained surfaces. WEALD CLAY FORMATION		
		2.80	D						
		3.00 3.00	PP SPT	5.5kg/cm2 N=30 (3,5/8,8,7,7)	3.00		Very stiff very closely fissured reddish brown CLAY. WEALD CLAY FORMATION	3	
		3.20			3.20		Very stiff thinly laminated closely fissured yellowish grey silty CLAY. Some fissures and laminations are iron stained. WEALD CLAY FORMATION		
		3.50 3.50	D PP	6.0kg/cm2					
		4.00 4.00 4.00	D PP SPT	6.0kg/cm2 N=53 (5,8/10,13,15,15)				4	
					4.45		End of Borehole at 4.45m	5	

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



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS25

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526651E - 118578N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
Well		0.10	ES		0.15		Grass overlying greyish brown silty clay with roots. TOPSOIL	1	
							Greyish brown silty slightly sandy CLAY. Sand is fine. WEALD CLAY FORMATION		
		0.50	D		0.40		Stiff light brown silty CLAY. WEALD CLAY FORMATION		
		0.50	PP	3.7kg/cm2					
		0.60	ES						
					0.75		Stiff light grey mottled light orangish brown silty CLAY. WEALD CLAY FORMATION		
					0.90		Medium dense light grey and light orangish brown fine SAND. WEALD CLAY FORMATION		
		1.00	D	N=13 (3,6/4,3,3,3)					
		1.00	SPT		1.50		Stiff very closely fissured reddish brown slightly silty CLAY. Possibly desiccated. WEALD CLAY FORMATION		
		1.50	PP	4.7kg/cm2					
1.60	D		1.90		Very stiff very closely fissured light grey mottled light yellowish brown silty slightly sandy CLAY. Sand is fine. Some laminations of fine grained sandstone. WEALD CLAY FORMATION				
2.00	D	5.3kg/cm2							
2.00	PP	N=46 (5,7/14,11,10,11)							
2.00	SPT		2.50		Very stiff yellowish brown thickly laminated very closely fissured silty CLAY. Possibly desiccated. WEALD CLAY FORMATION				
2.50	D	5.0kg/cm2							
2.50	PP	N=60 (7,9/13,14,15,18)							
2.60	SPT		3.00						
3.00	D	5.0kg/cm2							
3.00	PP		3.05		End of Borehole at 3.05m				

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refused at 3.05m bgl.



Status
FINAL



Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
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Borehole Log

Borehole No.

WS26

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526681E - 118639N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	19/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.30		Grass overlying dark brown sandy clay with frequent rootlets. TOPSOIL		
		0.50	D		0.60		Very stiff orangish brown and pale grey silty sandy CLAY with some rootlets. Sand is fine. WEALD CLAY FORMATION		
		0.50	ES	3.5kg/cm2					
		0.50	PP						
			1.00	D		1.20		Stiff orangish brown and pale grey silty CLAY with frequent weak ironstone fragments. WEALD CLAY FORMATION	
		1.00	PP	1.6kg/cm2					
		1.00	SPT	N=8 (2,1/2,1,2,3)					
			1.50	D		2.60		Stiff orangish brown and pale grey silty CLAY. WEALD CLAY FORMATION	
		1.50	ES	1.8kg/cm2					
		1.50	PP						
			2.00	D		2.40		Very stiff reddish brown friable silty CLAY. WEALD CLAY FORMATION	
		2.00	PP	2.0kg/cm2					
	2.00	SPT	N=31 (3,5/7,7,8,9)						
		2.50	D		2.60		Very stiff friable greyish brown silty CLAY with orange staining. WEALD CLAY FORMATION		
	2.50	PP	3.7kg/cm2						
	2.50	PP							
		3.00	D		3.60		Very stiff friable pale bluish grey silty CLAY with orange staining. WEALD CLAY FORMATION		
	3.00	PP	4.8kg/cm2						
	3.00	SPT	N=39 (4,6/8,10,9,12)						
		3.50	D		4.00		End of Borehole at 4.00m		
	4.00	PP	4.4kg/cm2						
	4.00	SPT	N=37 (6,7/8,9,11,9)						

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS27

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526702E - 118672N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	19/08/2024	Logged By	KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30		Grass overlying sandy gravelly clay with frequent rootlets. Sand is fine. TOPSOIL		
		0.50 0.50	D ES		0.60		Orangish brown silty slightly sandy CLAY with some rootlets. WEALD CLAY FORMATION		
		1.00 1.00 1.00	D PP SPT	3.8kg/cm2 N=21 (2,2/5,5,5,6)	1.40		Very stiff orangish brown and pale grey silty CLAY with some rootlets and roots 1-2mm and black ferruginous fragments. WEALD CLAY FORMATION	1	
		1.50 1.50	D PP	3.6kg/cm2	2.10		Very stiff pale grey, orangish brown and reddish brown mottled silty CLAY with some rootlets and roots 1-2mm. WEALD CLAY FORMATION	2	
		2.00 2.00 2.00	D PP SPT	4.1kg/cm2 N=30 (2,3/5,8,8,9)	2.50		Brown friable silty CLAY. WEALD CLAY FORMATION	3	
		2.40	D		3.10		Friable pale grey and brown silty CLAY with occasional roots 1-2mm. WEALD CLAY FORMATION	4	
		2.60	ES		3.60		Very stiff occasionally friable bluish grey and reddish brown silty CLAY. WEALD CLAY FORMATION	5	
		3.00 3.00	D SPT	N=35 (4,5/7,7,9,12)	4.00		Very stiff greyish brown silty slightly gravelly CLAY with orange staining. Gravel is fine to medium sub-angular siltstone. WEALD CLAY FORMATION		
		3.50 3.50	D PP	4.2kg/cm2			End of Borehole at 4.00m		
		4.00 4.00 4.00	D PP SPT	3.9kg/cm2 N=32 (2,3/5,6,7,14)					

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



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS28

Sheet 1 of 1

Project Name: Sayers Common

Project No.
GE22666

Co-ords: 526717E - 118605N

Hole Type
WLS

Location: LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT

Level:

Scale
1:25

Client: Wates Developments Ltd

Dates: 19/08/2024

Logged By
KOD

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.25		Grass overlying dark brown sandy gravelly clay with frequent rootlets and rare orange clay pipe fragment. TOPSOIL		
		0.40	ES				Stiff orangish brown and pale grey silty CLAY with occasional rootlets. WEALD CLAY FORMATION		
		0.50	D						
		0.50	PP	2.3kg/cm2	0.70		Firm orangish brown and pale grey silty CLAY with frequent ironstone fragments. WEALD CLAY FORMATION		
		1.00	D						
		1.00	ES						
		1.00	PP	1.4kg/cm2	1.40		Dense pale brown silty fine SAND with some lenses of pale grey silty sandy clay. WEALD CLAY FORMATION		
		1.00	SPT	N=20 (1,2/3,3,7,7)					
		1.50	D						
		2.00	D						
	2.00	SPT	N=42 (7,5/6,9,15,12)	2.30		Very stiff friable pale brown and pale grey silty CLAY with some reddish orange staining. WEALD CLAY FORMATION			
	2.50	D							
	3.00	D							
	3.00	PP	4.1kg/cm2	3.20		Very stiff bluish grey and greyish brown silty CLAY with reddish brown and orange staining WEALD CLAY FORMATION			
	3.00	SPT	N=43 (6,7/9,11,11,12)						
	3.50	D							
	3.50	PP	4.0kg/cm2	4.00					
	4.00	D							
	4.00	PP	4.5kg/cm2				End of Borehole at 4.00m		
	4.00	SPT	N=30 (3,5/6,7,7,10)						

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



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS29

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526771E - 118654N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	19/08/2024	Logged By	TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES		0.15		Grass overlying greyish brown silty clay with rootlets. TOPSOIL	
								Stiff desiccated light greyish brown slightly mottled orangish brown silty CLAY. WEALD CLAY FORMATION
		0.50	D		0.70		Very stiff desiccated light grey mottled orangish brown silty CLAY. WEALD CLAY FORMATION	
		0.80	ES					
		1.00	D		1.30		Very stiff reddish brown mottled light grey silty CLAY. Possibly desiccated. Some iron stained mudstone gravel. WEALD CLAY FORMATION	
		1.00	PP	6.0kg/cm2				
		1.00	SPT	N=8 (1,2/2,2,2,2)				
		1.50	D		1.90		Very stiff yellowish grey mottled light yellowish brown silty CLAY. WEALD CLAY FORMATION	
		1.50	PP	5.5kg/cm2				
		2.00	D					
2.00	PP	4.1kg/cm2						
2.00	SPT	N=56 (6,7/17,15,12,12)						
				2.45		End of Borehole at 2.45m		

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Refused at 2.45m bgl.



Status
FINAL



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Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Borehole Log

Borehole No.

WS30

Sheet 1 of 1

Project Name:	Sayers Common	Project No.	GE22666	Co-ords:	526797E - 118599N	Hole Type	WLS
Location:	LVS Hassocks, London Road, Sayers Common, West Sussex, BN6 9HT			Level:		Scale	1:25
Client:	Wates Developments Ltd			Dates:	19/08/2024	Logged By	TL

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES				Grass overlying greyish brown silty clay with rootlets, and some brick gravel. MADE GROUND <u>From 0.1m: no rootlets.</u>		
		0.50	D		0.45		Light greyish brown silty CLAY with rare iron stained mudstone gravel. WEALD CLAY FORMATION		
		0.60	ES		0.70				
		1.00	D				Stiff light grey mottled light orangish brown silty slight gravelly CLAY. Gravel is fine to medium sub-rounded iron stained mudstone. Possibly desiccated. WEALD CLAY FORMATION	1	
		1.00	SPT	N=9 (2,2/2,2,2,3)					
		1.20	PP	5.1kg/cm2					
		1.50	D		1.35		Stiff to very stiff orangish brown mottled light grey silty slightly sandy CLAY. Sand is fine. Possibly desiccated. WEALD CLAY FORMATION		
		1.50	PP	5.1kg/cm2					
		2.00	D		1.90		Yellowish grey silty fine SAND. WEALD CLAY FORMATION	2	
		2.00	PP	5.2kg/cm2	1.93				
		2.00	SPT	N=13 (2,2/3,3,3,4)					
		2.50	D		2.40		Very stiff closely fissured light bluish grey mottled light brown slightly silty CLAY. WEALD CLAY FORMATION <u>2.65 to 2.85m: relict rootlets.</u>		
		2.50	PP	4.2kg/cm2					
		3.00	D				End of Borehole at 3.45m	3	
		3.00	PP	4.2kg/cm2					
		3.00	SPT	N=53 (6,7/11,10,14,18)					
					3.45			4	
								5	

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

APPENDIX C

Geotechnical Laboratory Test Results





Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS01	1	0.50	-	D	Brown, greyish brown and orangish brown mottled silty CLAY with sandy patches and rootlets	21	100	60	22	38	
WS03	1	0.50	-	D	Light grey mottled orangish brown silty CLAY with sandy patches and fine rootlets	27	100	67	25	42	
WS03	2	1.00	-	D	Light grey and orangish brown mottled silty CLAY with sandy patches and rootlets	27	100	66	26	40	
WS05	1	0.50	-	D	Brown mottled light grey and orangish brown silty CLAY with sandy patches	25	100	77	29	48	
WS05	2	1.00	-	D	Orangish brown and light bluish grey slightly fine sandy silty CLAY with traces of fine rootlets	26					
WS05	3	1.50	-	D	Orangish brown and light bluish grey slightly fine sandy silty CLAY with traces of fine rootlets and dark grey stains	31					
WS05	4	2.00	-	D	Orangish brown and light bluish grey silty CLAY with traces of decayed rootlets	29					
WS05	5	2.50	-	D	Light brown and occasional orangish brown and light grey slightly fine sandy silty CLAY with traces of fine rootlets	16					
WS05	6	3.00	-	D	Brown, light grey and occasional orangish brown slightly fine sandy silty CLAY	18					
WS06	2	1.00	-	D	Light greyish brown sandy silty CLAY with roots	17	100	53	22	31	
WS06	5	2.50	-	D	Brown slightly gravelly silty CLAY with light brown and black sandy patches (gravel is fm and sub-angular)	24	95	77	28	49	
WS07	2	1.00	-	D	Brown, light grey and reddish brown mottled silty CLAY	31	100	75	27	48	

	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>	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: 19/09/2024
	NOTE: The report shall not be reproduced except in full without authority of the laboratory		Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)



Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS07	4	2.00	-	D	Brown mottled light grey slightly sandy silty CLAY	21	100	46	24	22	
WS08	1	0.50	-	D	Light brown and orangish brown mottled slightly gravelly silty CLAY with sandy patches and rootlets (gravel is fmc and sub-angular)	24	95	82	28	54	
WS08	2	1.00	-	D	Light greyish brown and orangish brown mottled silty CLAY with sandy patches	25	100	83	30	53	
WS08	3	1.50	-	D	Orangish brown and light bluish grey silty CLAY with numerous fmc weakly cemented siltstone fragments	20					
WS08	4	2.00	-	D	Light grey and brown slightly shaley silty CLAY with fm siltstone fragments	19	95	53	23	30	
WS08	5	2.50	-	D	Orangish brown, brown and occasional bluish grey slightly laminated silty CLAY with traces of decayed roots	23					
WS08	6	3.00	-	D	Orangish brown and bluish grey slightly laminated silty CLAY	29					
WS08	8	4.00	-	D	Orangish brown and bluish grey fmc weakly cemented SILTSTONE fragments	12					
WS10	2	1.00	-	D	Brown mottled light grey and orangish brown silty CLAY with sandy patches	17	100	58	23	35	
WS10	4	2.00	-	D	Light grey, locally mottled orangish brown, silty fine SAND with rare fm sub-rounded gravel	16	-	-	-	-	Non-plastic
WS11	1	1.50	-	D	Orangish brown mottled light grey silty CLAY with sandy patches	23	100	55	23	32	
WS12	1	0.50	-	D	Greyish brown mottled orangish brown and reddish brown silty CLAY with sandy patches	24	100	74	28	46	

	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>	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: 19/09/2024
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Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS12	2	1.00	-	D	Light brown mottled light grey slightly sandy silty CLAY with sandy patches	19	100	57	25	32	
WS14	1	1.00	-	D	Greyish brown and orangish brown mottled silty CLAY with sandy patches	29	100	69	27	42	
WS14	2	1.50	-	D	Brown mottled greyish brown and orangish brown silty CLAY with sandy patches and rare fm sub-rounded ironstained gravel	23	98	66	25	41	
WS15	1	0.50	-	D	Light brown mottled light grey slightly sandy silty CLAY with rare fine sub-angular gravel and rootlets	19	99	53	22	31	
WS15	2	1.00	-	D	Light grey mottled orangish brown silty CLAY	25	100	66	25	41	
WS16	2	1.00	-	D	Light grey mottled orangish brown slightly sandy silty CLAY	19	100	43	20	23	
WS16	4	2.00	-	D	Light grey, locally mottled orangish brown and black, sandy silty CLAY	15	100	36	18	18	
WS16	6	3.00	-	D	Brown, locally mottled light grey and black silty CLAY	23	100	64	25	39	
WS17	2	1.00	-	D	Orangish brown mottled light grey, and locally black, silty CLAY with sandy patches	27	100	53	22	31	
WS17	4	2.00	-	D	Light grey, locally mottled orangish brown, slightly sandy very silty CLAY	16	100	33	19	14	
WS18	2	1.00	-	D	Light grey mottled orangish brown sandy silty CLAY	20	100	46	19	27	
WS18	4	1.50	-	D	Light grey mottled orangish brown sandy silty CLAY	20	100	37	18	19	

	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>	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: 19/09/2024
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Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS19	2	1.00	-	D	Orangish brown and light grey mottled slightly sandy silty CLAY with sandy patches	20	100	53	21	32	
WS19	4	2.00	-	D	Orangish brown and light grey mottled slightly sandy silty CLAY with sandy patches	22	100	47	21	26	
WS20	2	1.00	-	D	Orangish brown and light grey mottled slightly sandy silty CLAY	19	100	46	20	26	
WS20	3	1.50	-	D	Orangish brown, light bluish grey and occasional reddish brown slightly fine sandy silty CLAY with traces of calcareous deposits	19					
WS20	4	2.00	-	D	Brown, locally mottled dark brown, sandy silty CLAY with sandy patches and white silt patches	18	100	40	19	21	
WS20	5	2.50	-	D	Orangish brown and occasional light bluish grey and reddish brown slightly fine sandy silty CLAY with occasional fm weakly cemented siltstone fragments	19					
WS20	6	3.00	-	D	Reddish brown and occasional light grey silty CLAY with occasional fm weakly cemented siltstone fragments	20					
WS20	8	4.00	-	D	Grey and occasional brown silty CLAY with occasional fm weakly cemented siltstone fragments	14					
WS21	2	1.00	-	D	Orangish brown and greyish brown mottled slightly sandy silty CLAY with sandy patches and rare fine sub-angular gravel	17	99	53	22	31	
WS21	3	1.50	-	D	Light bluish grey and orangish brown silty CLAY	17					
WS21	4	2.00	-	D	Grey slightly sandy silty CLAY with sandy patches and white silt patches	17	100	44	19	25	
WS21	5	2.50	-	D	Reddish brown and greyish brown slightly laminated silty CLAY with fm weakly cemented siltstone fragments	18					

	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>	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: 19/09/2024
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Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS21	6	3.00	-	D	Reddish brown silty CLAY with traces of fine rootlets and numerous fmc weakly cemented siltstone fragments	19					
WS21	8	4.00	-	D	Bluish grey and orangish brown slightly laminated silty CLAY with occasional fm weakly cemented siltstone fragments	19					
WS22	2	1.00	-	D	Light grey mottled orangish brown slightly sandy silty CLAY	19	100	45	19	26	
WS22	3	1.50	-	D	Reddish brown, orangish brown and bluish grey silty CLAY	17					
WS22	4	2.00	-	D	Light grey and orangish brown mottled very silty CLAY	17	100	39	18	21	
WS22	5	2.50	-	D	Orangish brown, yellowish brown and occasional light bluish grey slightly fine sandy silty CLAY	15					
WS22	6	3.00	-	D	Orangish brown and reddish brown slightly laminated silty CLAY with occasional fm weakly cemented siltstone fragments	15					
WS22	7	3.50	-	D	Orangish brown mottled reddish brown silty CLAY with light brown sandy patches	19	100	53	24	29	
WS22	8	4.00	-	D	Light grey, grey and occasional orangish brown silty CLAY with occasional fm weakly cemented siltstone fragments	15					
WS23	1	0.50	-	D	Orangish brown and occasional brown and light bluish grey silty CLAY with traces of roots and rootlets and rare medium sub-angular gravel	27					
WS23	2	1.00	-	D	Reddish brown mottled light brown silty CLAY with rootlets	26	100	63	23	40	
WS23	3	1.50	-	D	Light grey, locally mottled orangish brown and white, silty CLAY with sandy patches and rare fm calcareous nodules	19	99	40	17	23	

	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>	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: 19/09/2024
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Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS23	4	2.00	-	D	Reddish brown silty CLAY	19					
WS23	5	2.50	-	D	Reddish brown silty CLAY with inclusions of yellowish brown slightly clayey fine sand	17					
WS23	6	3.00	-	D	Greenish grey, orangish brown and brown silty CLAY with numerous fmc weakly cemented siltstone fragments	12					
WS24	1	0.50	-	D	Reddish brown, locally mottled light grey, silty CLAY with sandy patches	25	100	72	27	45	
WS24	2	1.00	-	D	Orangish brown, reddish brown and bluish grey slightly fine sandy silty CLAY with traces of fine rootlets	21					
WS24	3	1.50	-	D	Light grey mottled orangish brown slightly sandy silty CLAY	18	100	38	17	21	
WS25	2	1.00	-	D	Brown clayey silty SAND with silty clay lumps	16					
WS25	3	1.60	-	D	Reddish brown, locally mottled light brown, sandy silty CLAY	20	100	42	24	18	
WS26	1	0.50	-	D	Brown mottled orangish brown sandy silty CLAY with sandy patches	15	100	43	18	25	
WS26	3	1.50	-	D	Orangish brown and light bluish grey mottled slightly fine sandy silty CLAY	23					
WS26	4	2.00	-	D	Brown mottled orangish brown sandy silty CLAY with sandy patches	22	100	45	20	25	
WS26	5	2.50	-	D	Reddish brown and yellowish brown silty CLAY with numerous fm weakly cemented siltstone fragments	22					

	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>	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: 19/09/2024
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Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS26	8	4.00	-	D	Bluish grey and occasional orangish brown fmc weakly cemented SILTSTONE fragments	13					
WS27	2	1.00	-	D	Orangish brown and light grey mottled silty CLAY with sandy patches	18	100	54	21	33	
WS28	2	1.00	-	D	Light grey and orangish brown mottled slightly sandy silty CLAY	21	100	49	19	30	
WS28	3	1.50	-	D	Greenish grey sandy silty CLAY/clayey SAND	18					
WS29	1	0.50	-	D	Brown and greyish brown mottled silty CLAY with sandy patches	21	100	66	25	41	
WS29	2	1.00	-	D	Orangish brown and bluish grey slightly fine sandy silty CLAY with traces of roots and rootlets	20					
WS29	3	1.50	-	D	Reddish brown and occasional light bluish grey silty CLAY with occasional black flecks /stains	22					
WS29	4	2.00	-	D	Orangish brown, bluish grey and occasional reddish brown silty CLAY with traces of roots and rootlets, calcareous deposits and fine fragments and rare fm siltstone fragments	18					
WS30	1	0.50	-	D	Brown fine sandy silty CLAY with rare fm sub-angular gravel and fine brick fragments	18					
WS30	2	1.00	-	D	Greyish brown, mottled brown, orangish brown and black, silty CLAY with rare fine sub-angular gravel	20	99	52	21	31	
WS30	3	1.50	-	D	Orangish brown and bluish grey slightly fine sandy silty CLAY with traces of roots	17					
WS30	4	2.00	-	D	Orangish brown and bluish grey slightly fine sandy silty CLAY with traces of decayed rootlets	18					

 UKAS TESTING	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>	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: 19/09/2024
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Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No. 35924	Project Name Sayers Common	Programme	
		Samples received	22/08/2024
Project No. GE22666	Client GESL	Schedule received	27/08/2024
		Project started	28/08/2024
		Testing Started	13/09/2024

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type							
WS30	5	2.50	-	D	Orangish brown and bluish grey slightly fine sandy silty CLAY	12					
WS30	6	3.00	-	D	Bluish grey and greenish brown silty CLAY with frequent decayed rootlets and traces of calcareous deposits	19					

	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>	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: 19/09/2024
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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS01

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Brown, greyish brown and orangish brown mottled silty CLAY with sandy patches and rootlets

Depth Base m -

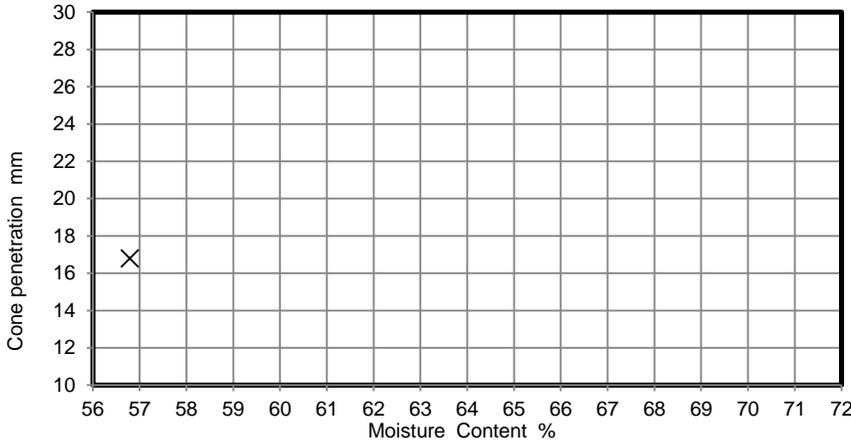
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 17/09/2024

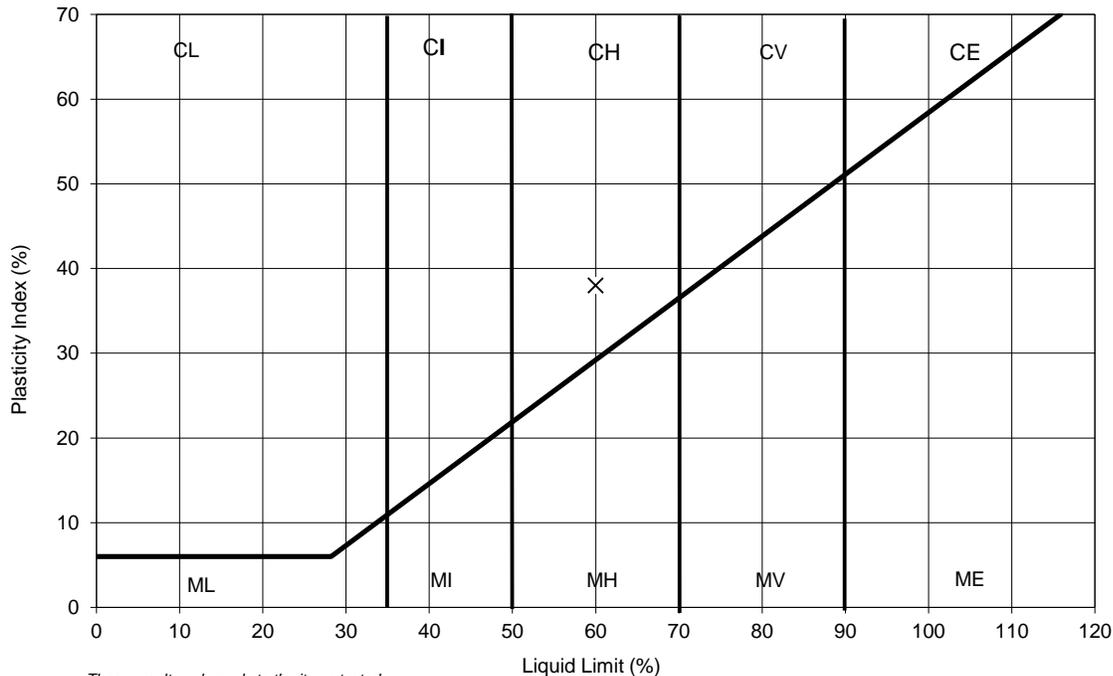


NATURAL MOISTURE CONTENT	21	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	60	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	38	%

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: 19/09/2024



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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS03

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Light grey mottled orangish brown silty CLAY with sandy patches and fine rootlets

Depth Base m -

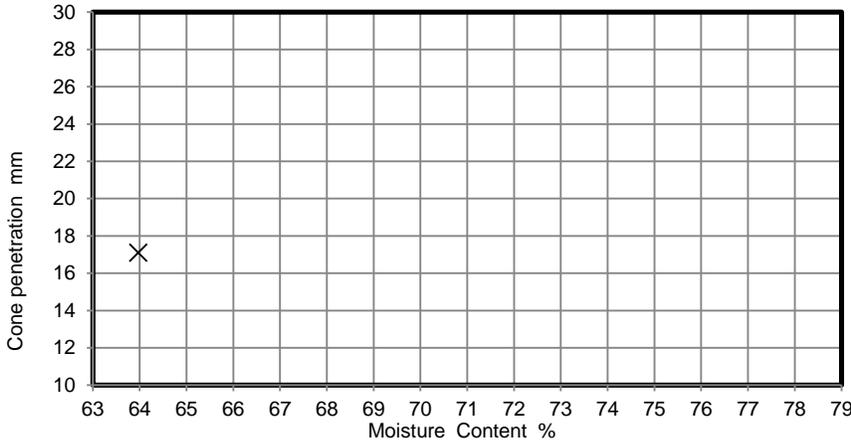
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

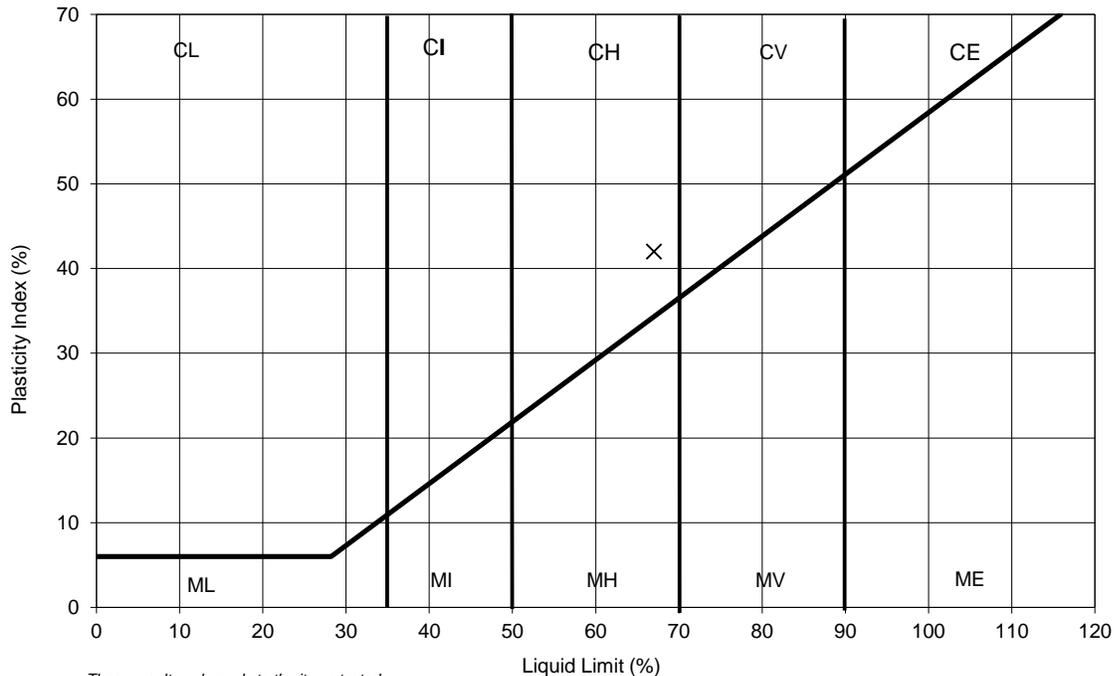


NATURAL MOISTURE CONTENT	27	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	67	%
PLASTIC LIMIT	25	%
PLASTICITY INDEX	42	%

Remarks

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

PLASTICITY INDEX



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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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS03

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light grey and orangish brown mottled silty CLAY with sandy patches and rootlets

Depth Base m -

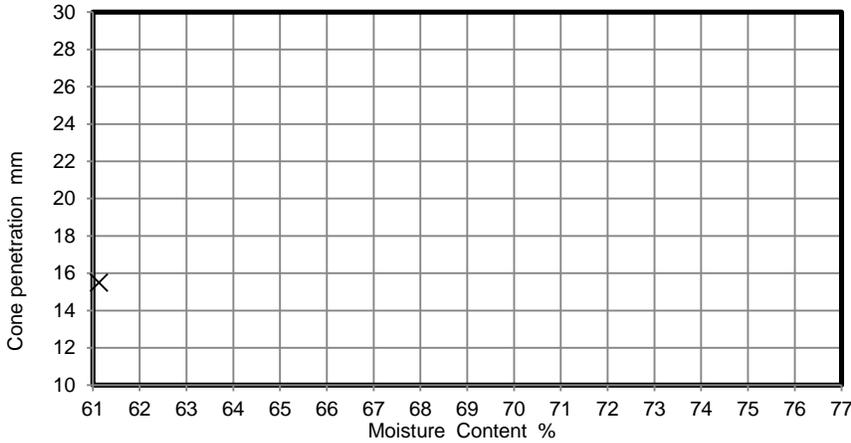
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

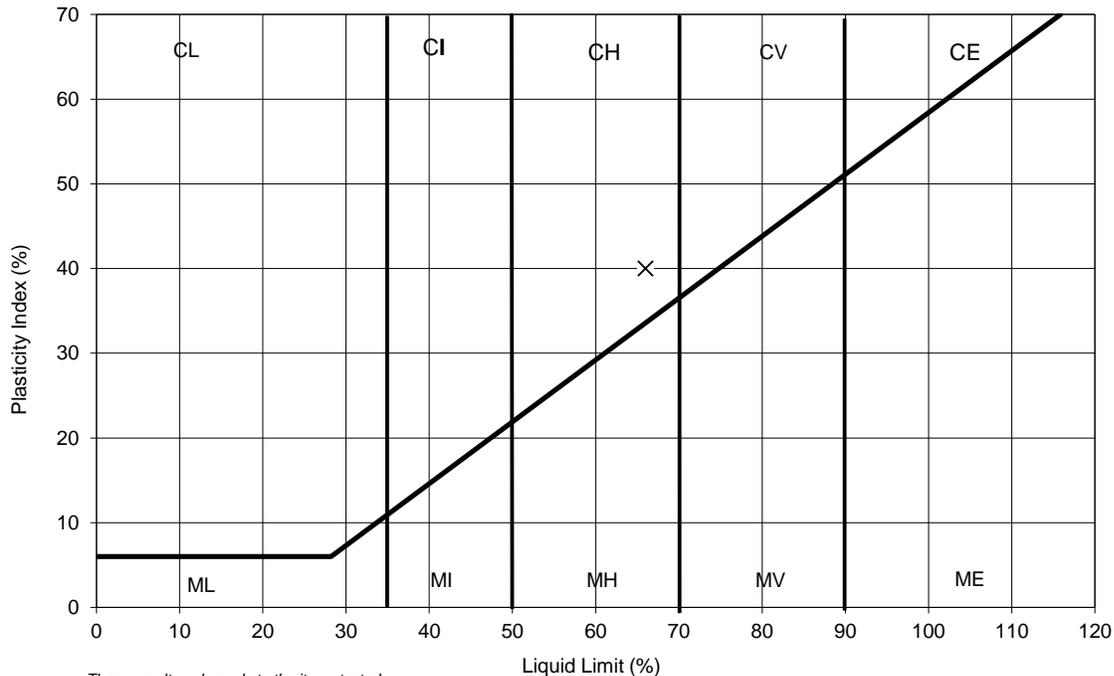


NATURAL MOISTURE CONTENT	27	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	66	%
PLASTIC LIMIT	26	%
PLASTICITY INDEX	40	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS05

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Brown mottled light grey and orangish brown silty CLAY with sandy patches

Depth Base m -

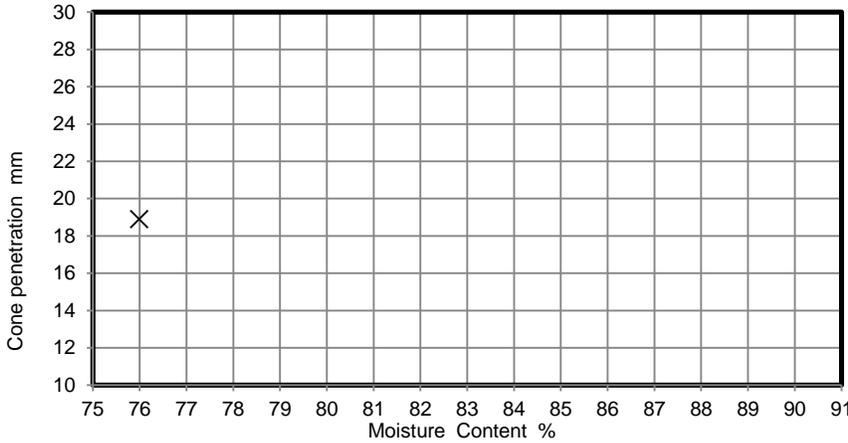
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

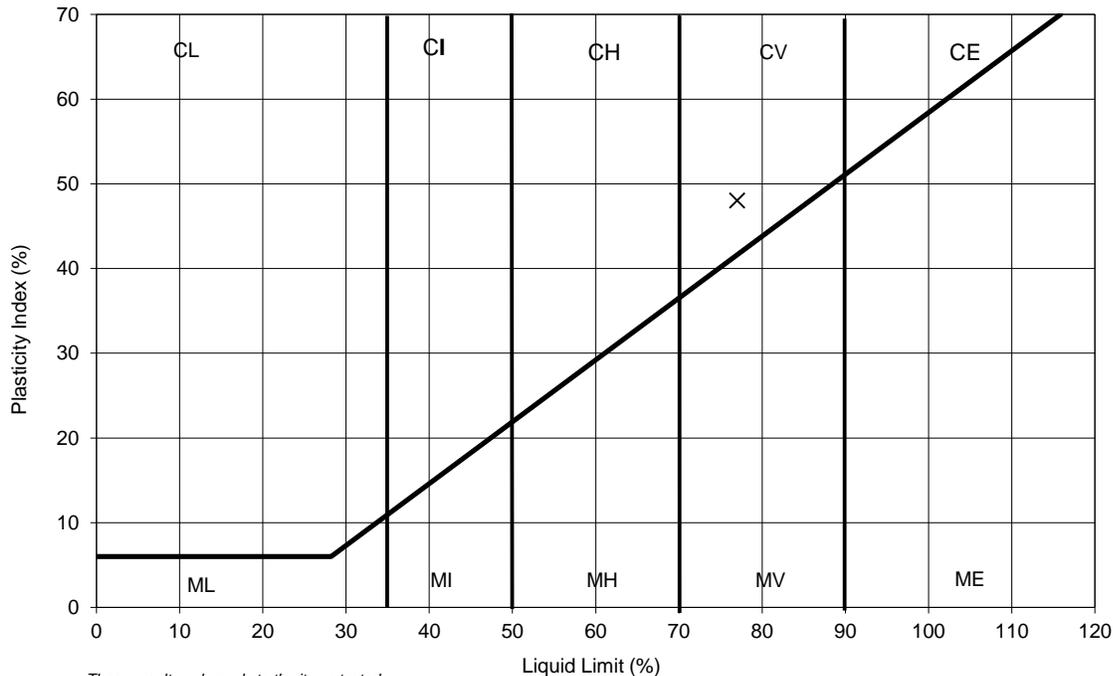


NATURAL MOISTURE CONTENT	25	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	77	%
PLASTIC LIMIT	29	%
PLASTICITY INDEX	48	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS06

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light greyish brown sandy silty CLAY with roots

Depth Base m -

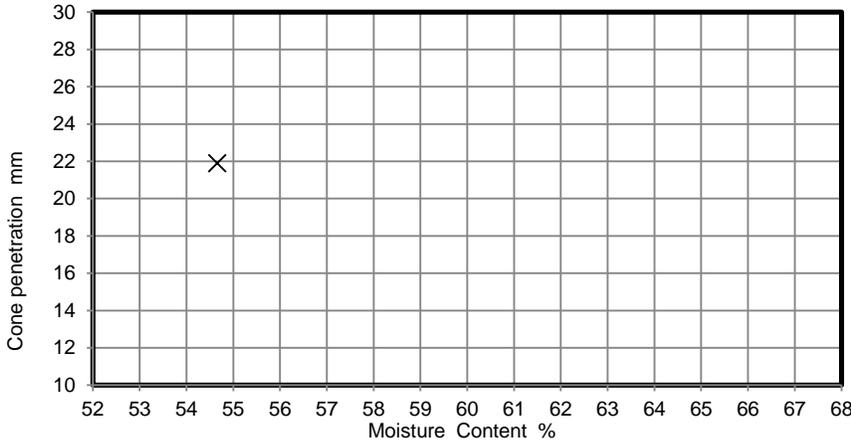
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 17/09/2024

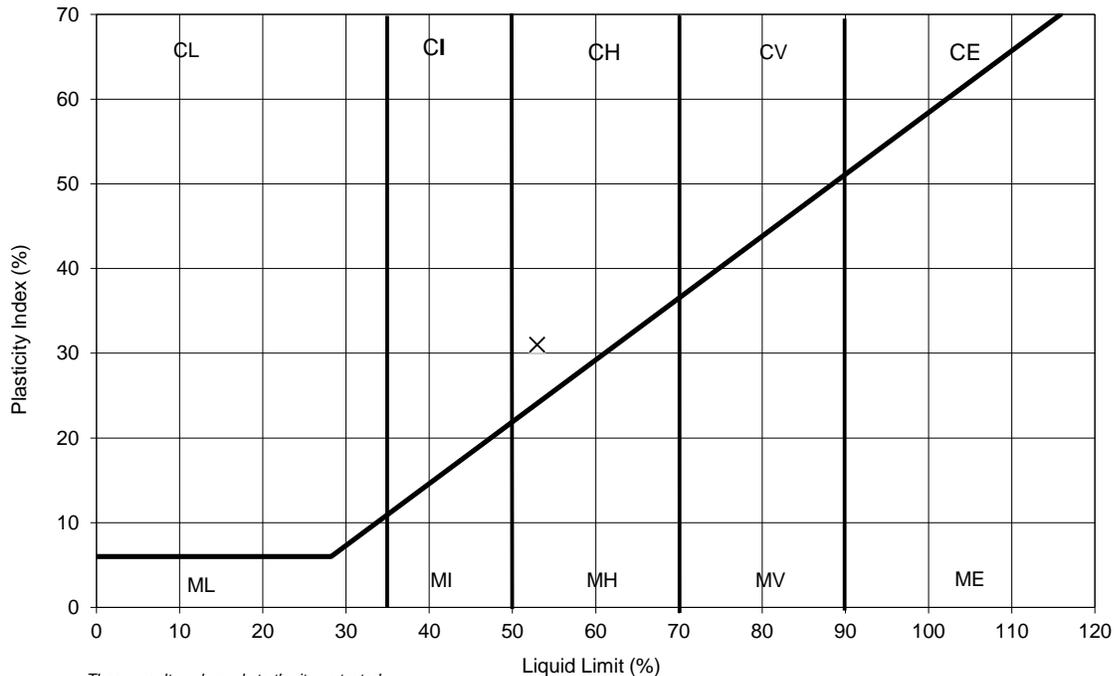


NATURAL MOISTURE CONTENT	17	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	31	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS06

Site Name Sayers Common

Sample No. 5

Project No. GE22666 Client GESL

Depth Top m 2.50

Soil Description Brown slightly gravelly silty CLAY with light brown and black sandy patches (gravel is fm and sub-angular)

Depth Base m -

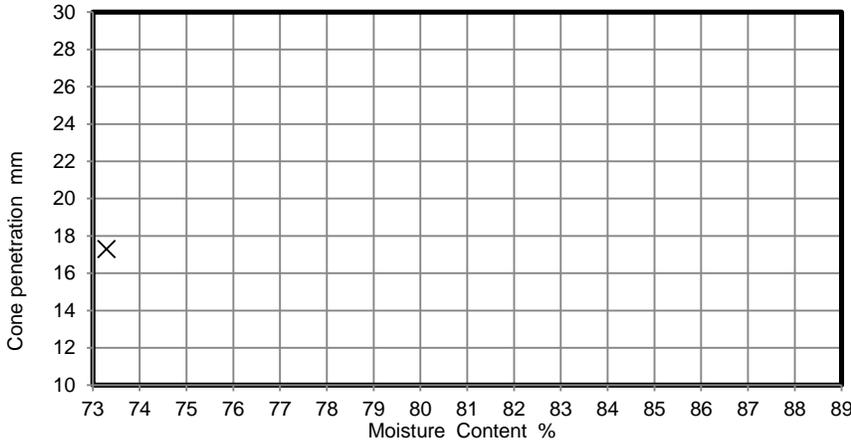
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

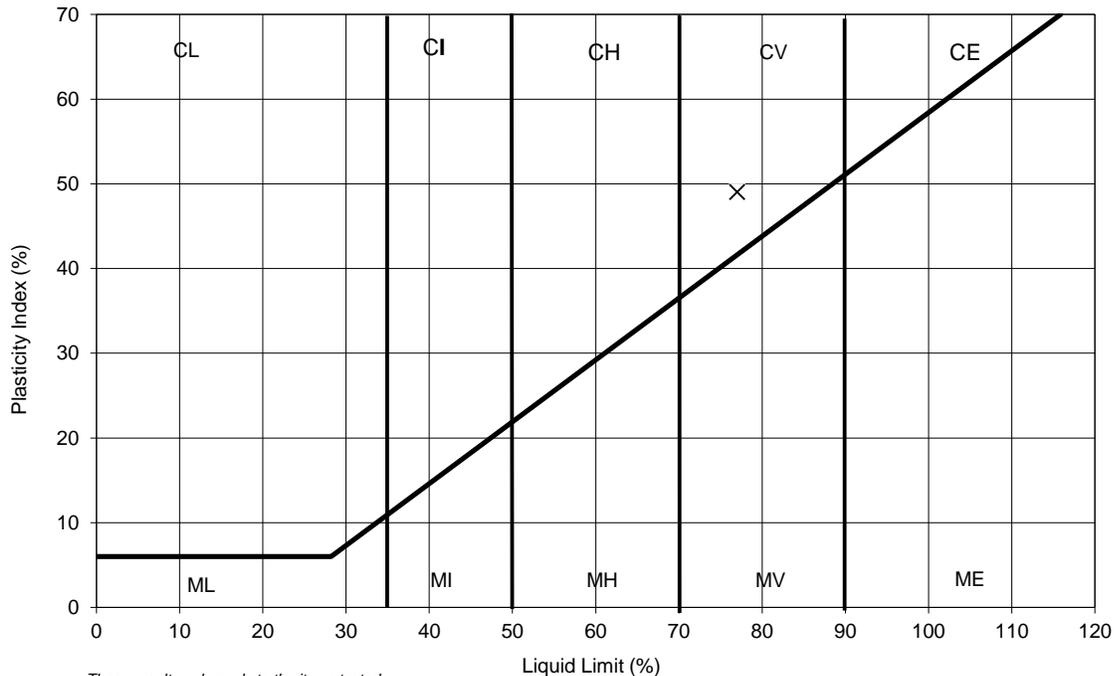


NATURAL MOISTURE CONTENT	24	%
% PASSING 425µm SIEVE	95	%
LIQUID LIMIT	77	%
PLASTIC LIMIT	28	%
PLASTICITY INDEX	49	%

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

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Checked and Approved

Initials: J.P

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS07

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Brown, light grey and reddish brown mottled silty CLAY

Depth Base m -

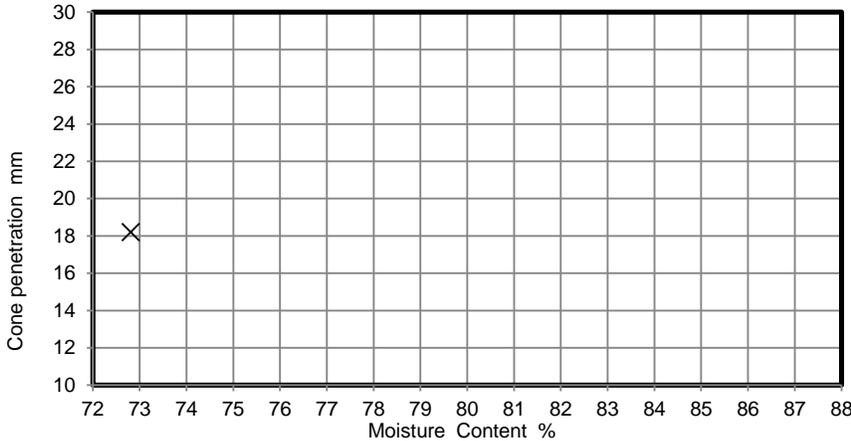
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

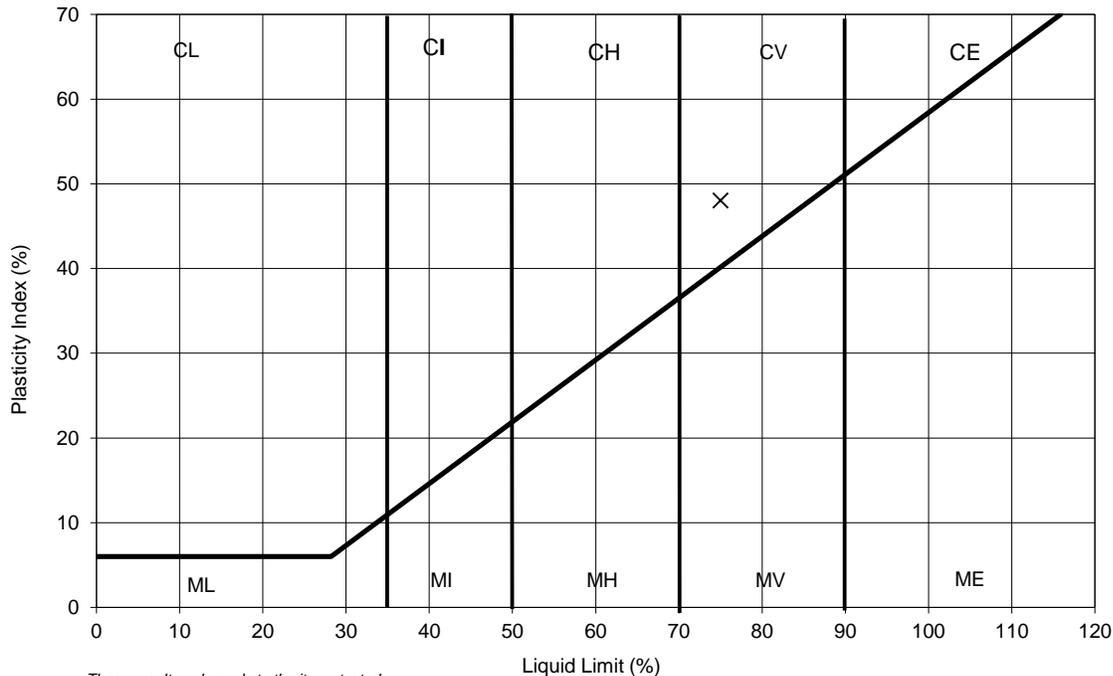


NATURAL MOISTURE CONTENT	31	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	75	%
PLASTIC LIMIT	27	%
PLASTICITY INDEX	48	%

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

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Initials: J.P

Date: 19/09/2024



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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS07

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Brown mottled light grey slightly sandy silty CLAY

Depth Base m -

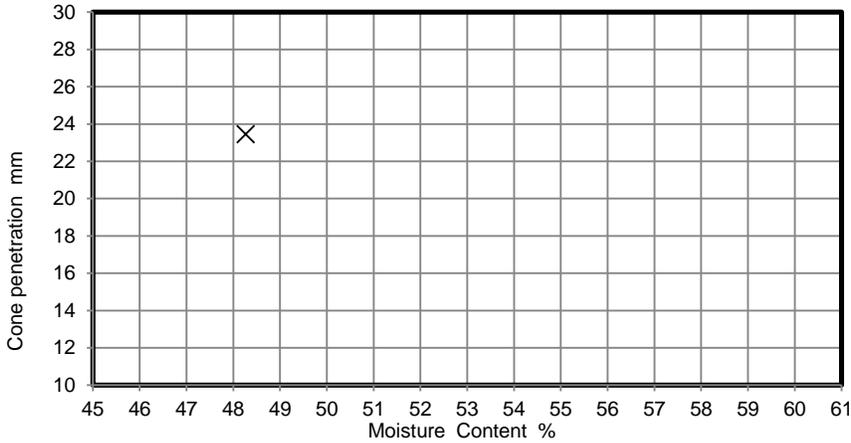
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 17/09/2024

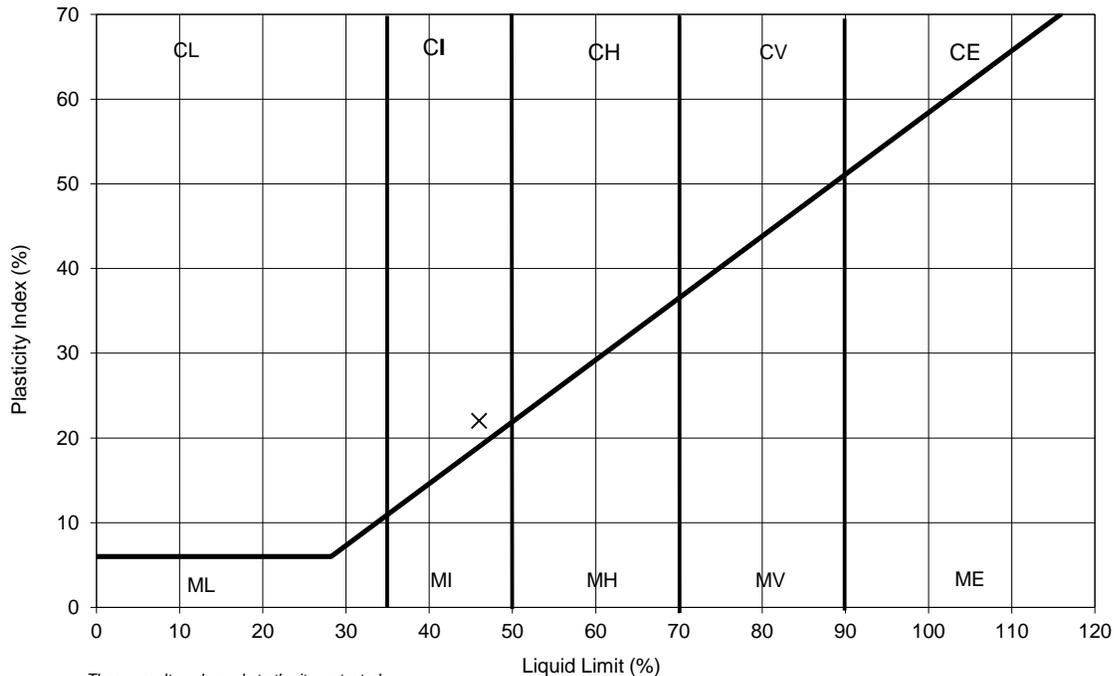


NATURAL MOISTURE CONTENT	21	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	46	%
PLASTIC LIMIT	24	%
PLASTICITY INDEX	22	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS08

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Light brown and orangish brown mottled slightly gravelly silty CLAY with sandy patches and rootlets (gravel is fmc and sub-angular)

Depth Base m -

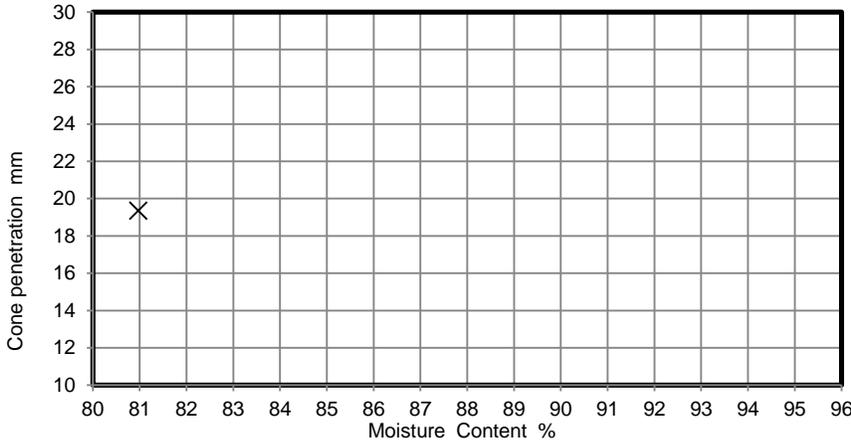
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

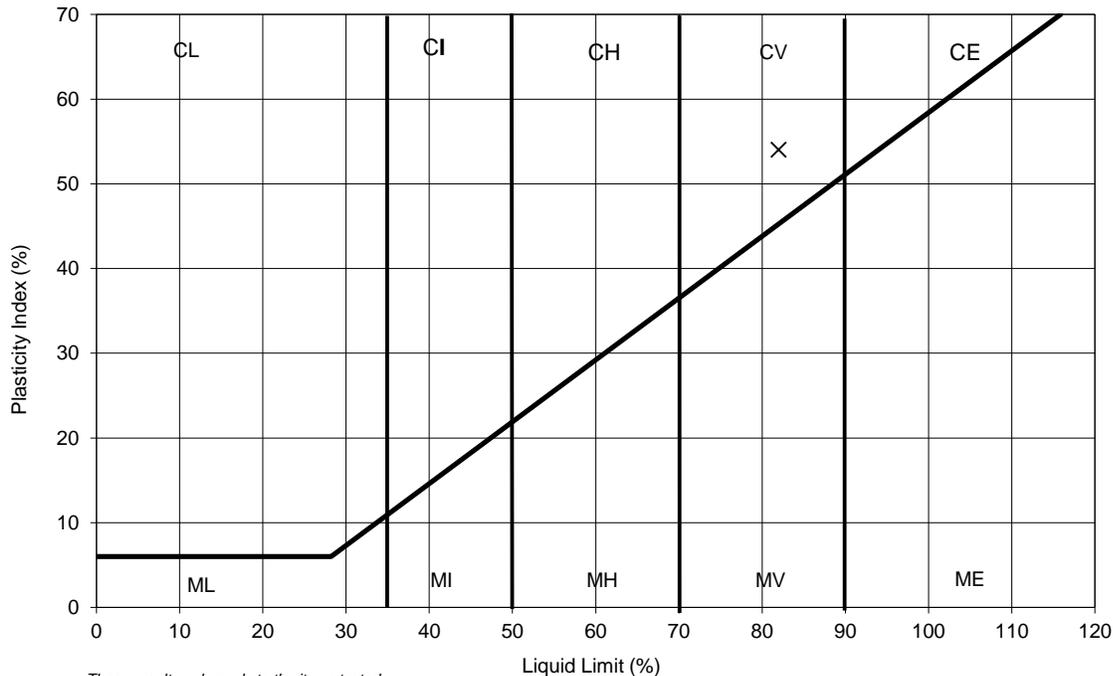


NATURAL MOISTURE CONTENT	24	%
% PASSING 425µm SIEVE	95	%
LIQUID LIMIT	82	%
PLASTIC LIMIT	28	%
PLASTICITY INDEX	54	%

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

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Initials: J.P

Date: 19/09/2024



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS08

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light greyish brown and orangish brown mottled silty CLAY with sandy patches

Depth Base m -

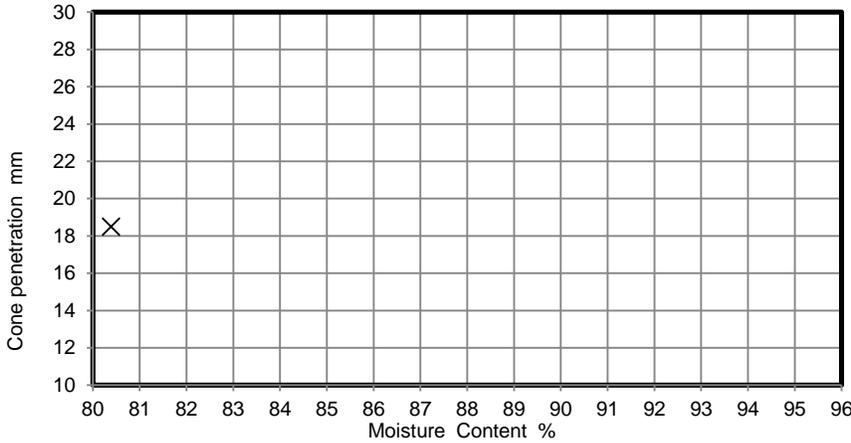
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

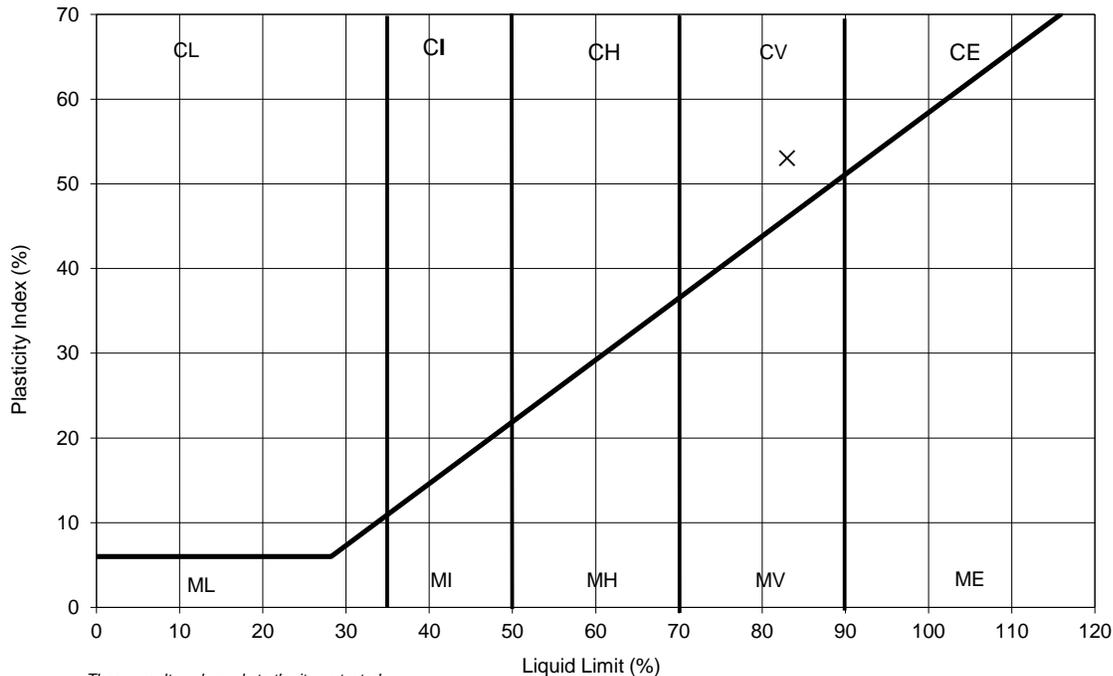


NATURAL MOISTURE CONTENT	25	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	83	%
PLASTIC LIMIT	30	%
PLASTICITY INDEX	53	%

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

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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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS08

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Light grey and brown slightly shaley silty CLAY with fm siltstone fragments

Depth Base m -

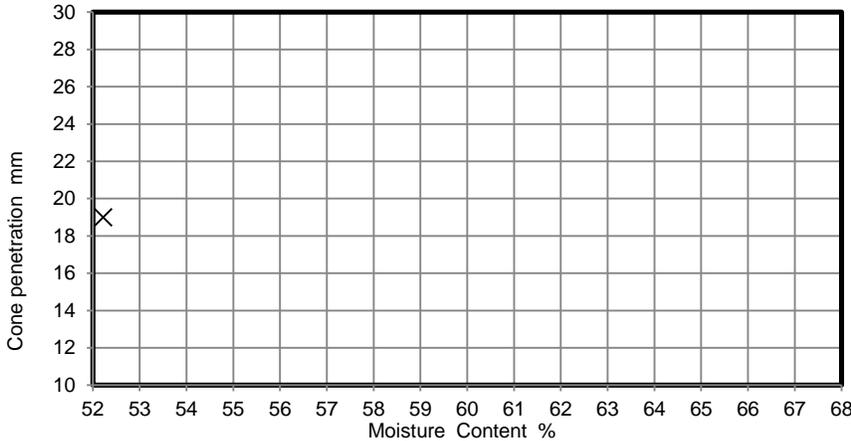
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

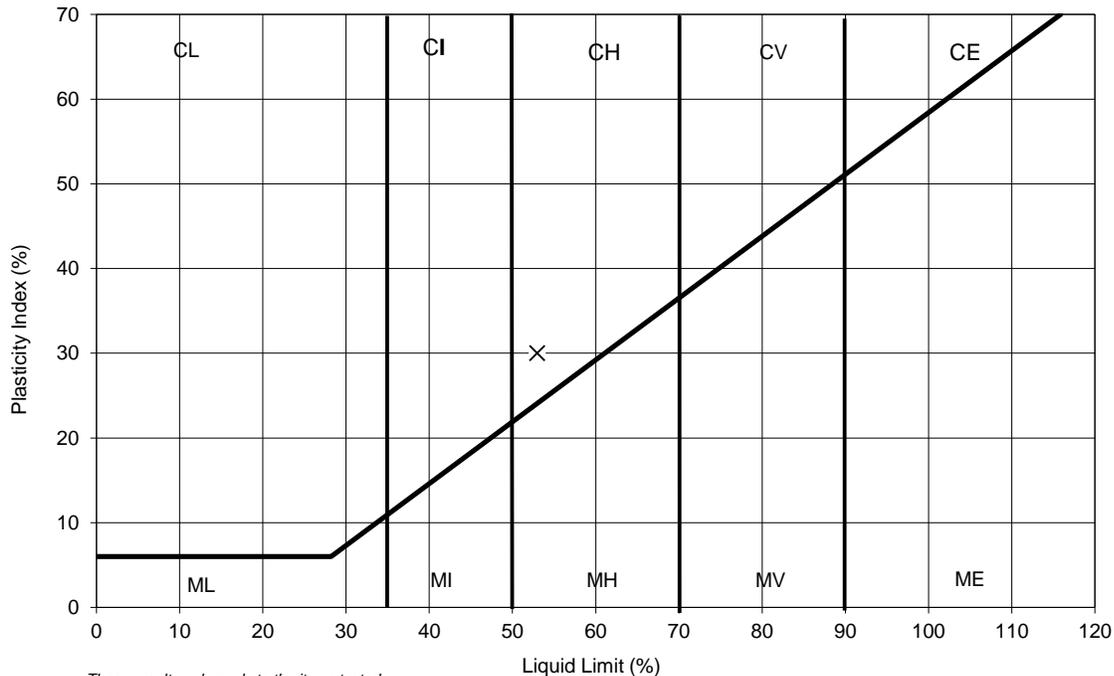


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	95	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	23	%
PLASTICITY INDEX	30	%

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

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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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS10

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Brown mottled light grey and orangish brown silty CLAY with sandy patches

Depth Base m -

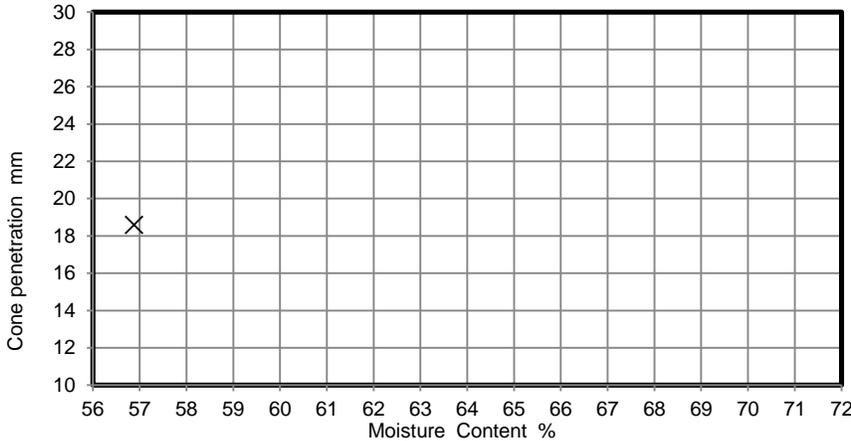
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024



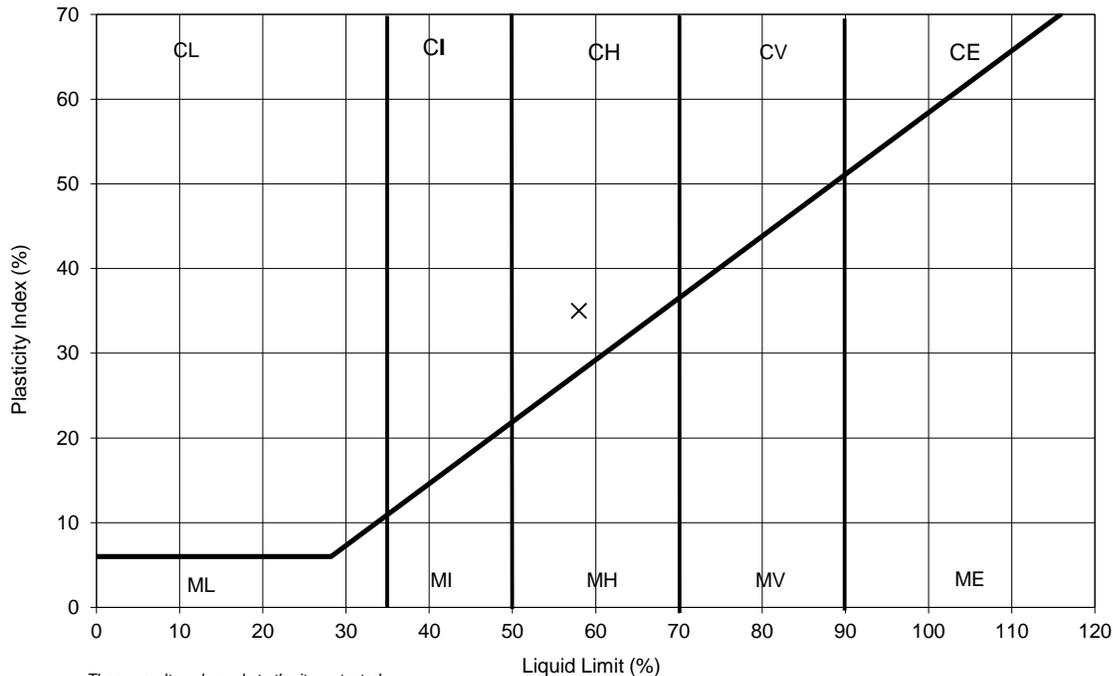
NATURAL MOISTURE CONTENT	17	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	58	%
PLASTIC LIMIT	23	%
PLASTICITY INDEX	35	%

Remarks

Empty box for 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

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS10

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Light grey, locally mottled orangish brown, silty fine SAND with rare fm sub-rounded gravel

Depth Base m -

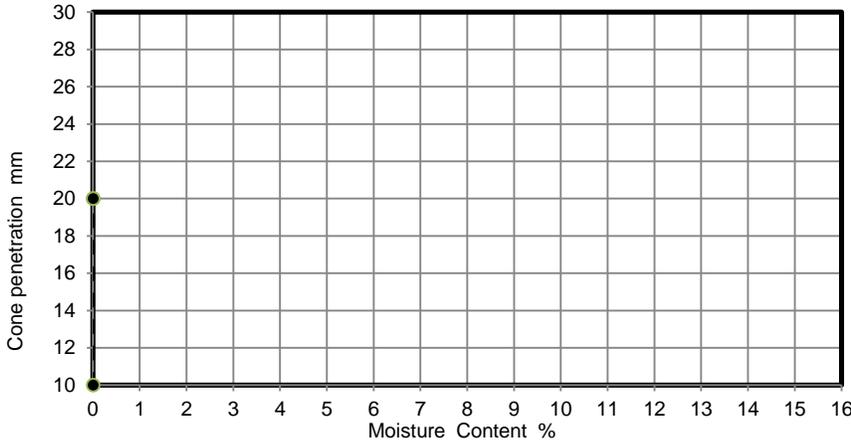
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024



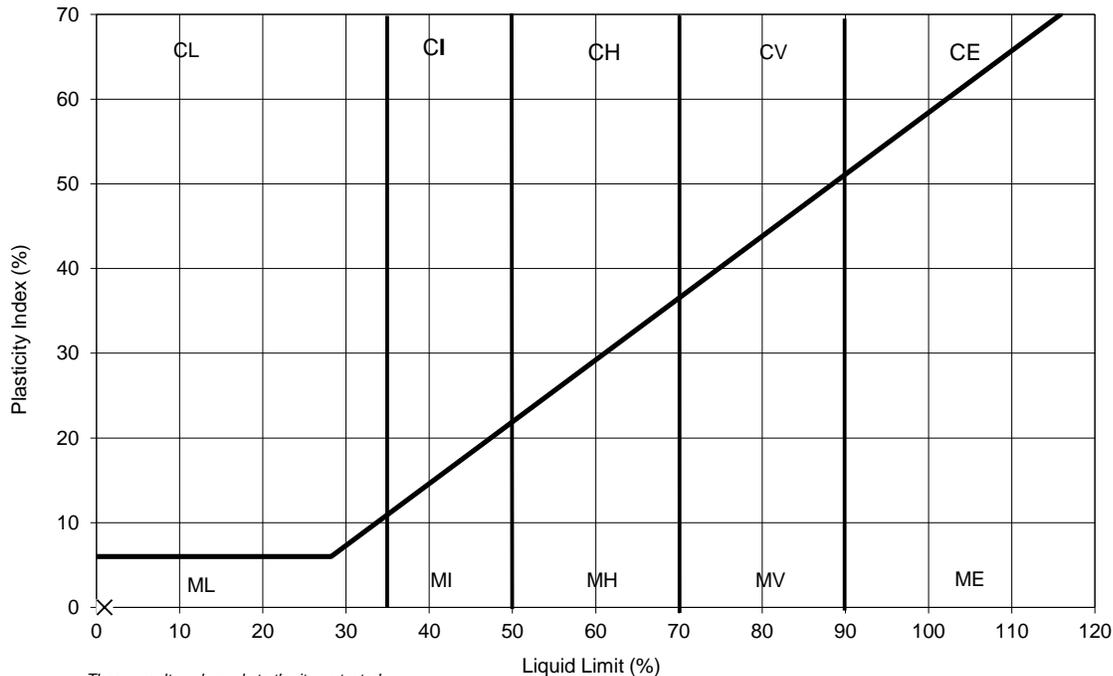
NATURAL MOISTURE CONTENT	16	%
% PASSING 425µm SIEVE	-	%
LIQUID LIMIT	-	%
PLASTIC LIMIT	-	%
PLASTICITY INDEX	-	%

Remarks

Non-plastic

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

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Date: 19/09/2024



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

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS11

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 1.50

Soil Description Orangish brown mottled light grey silty CLAY with sandy patches

Depth Base m -

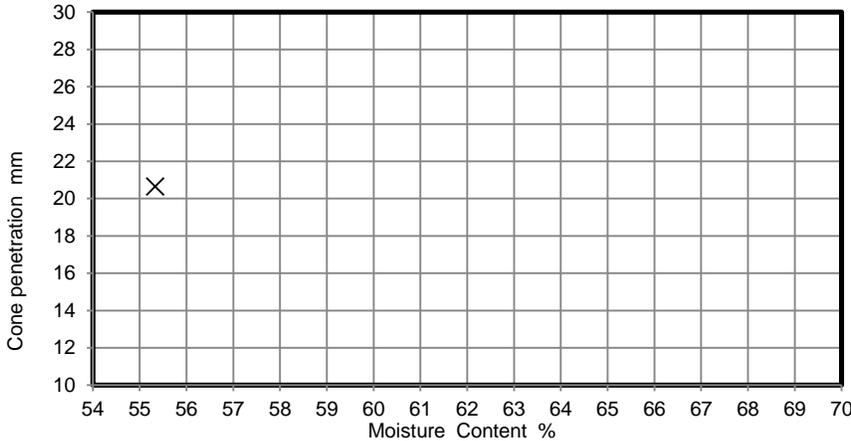
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

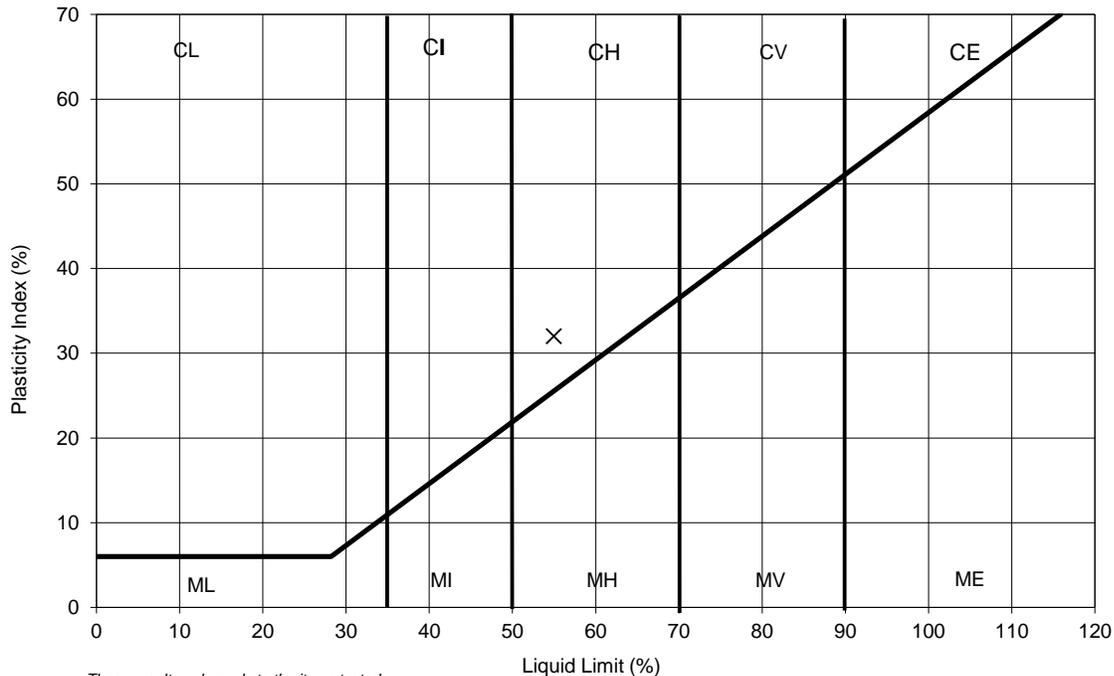


NATURAL MOISTURE CONTENT	23	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	55	%
PLASTIC LIMIT	23	%
PLASTICITY INDEX	32	%

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: 19/09/2024

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MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS12

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Greyish brown mottled orangish brown and reddish brown silty CLAY with sandy patches

Depth Base m -

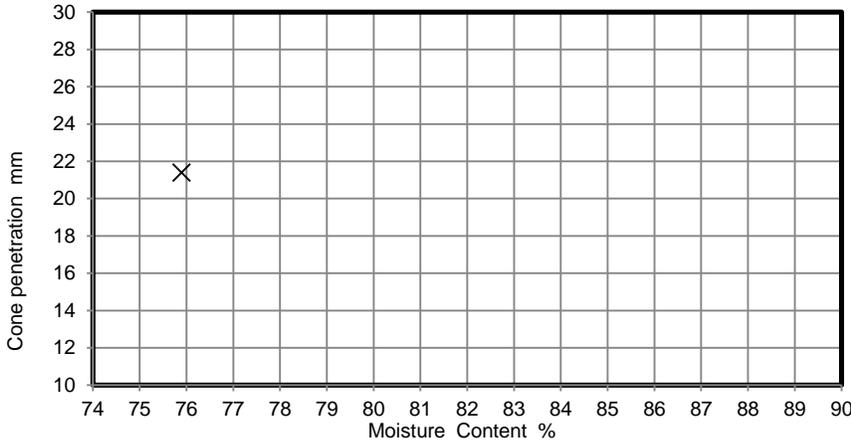
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

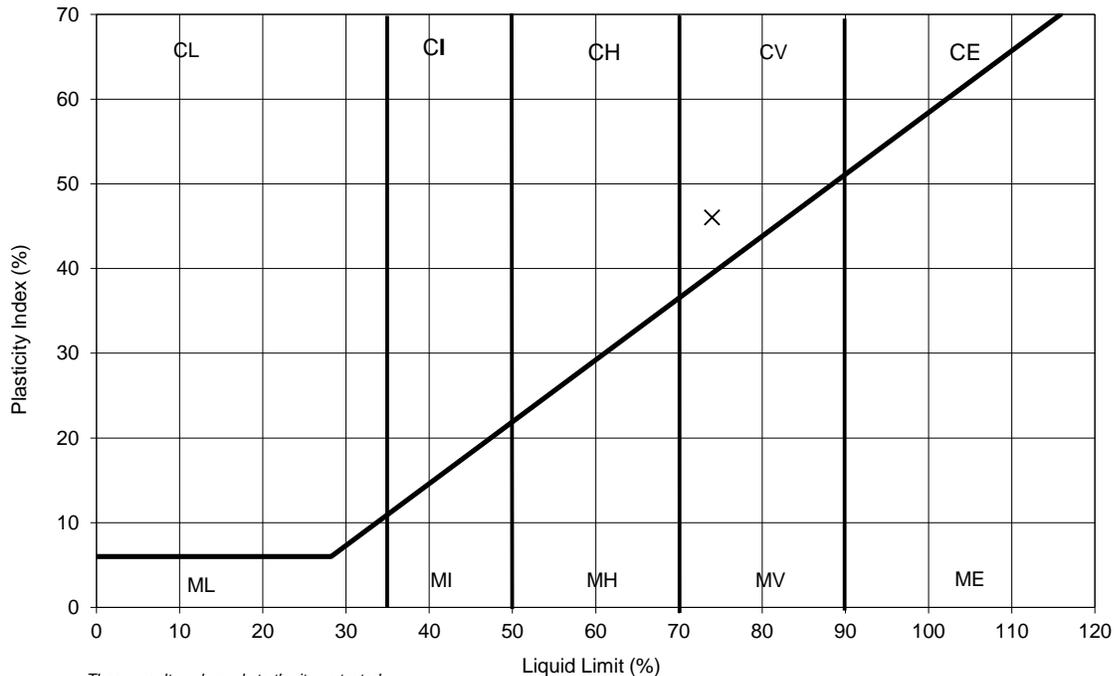


NATURAL MOISTURE CONTENT	24	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	74	%
PLASTIC LIMIT	28	%
PLASTICITY INDEX	46	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS12

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light brown mottled light grey slightly sandy silty CLAY with sandy patches

Depth Base m -

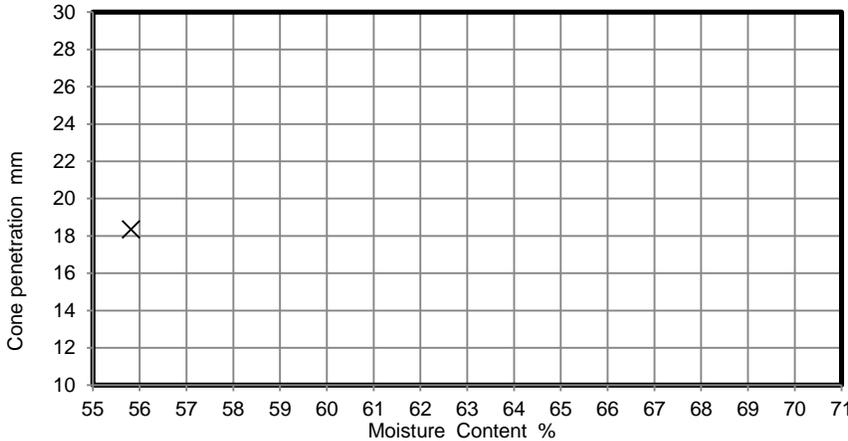
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

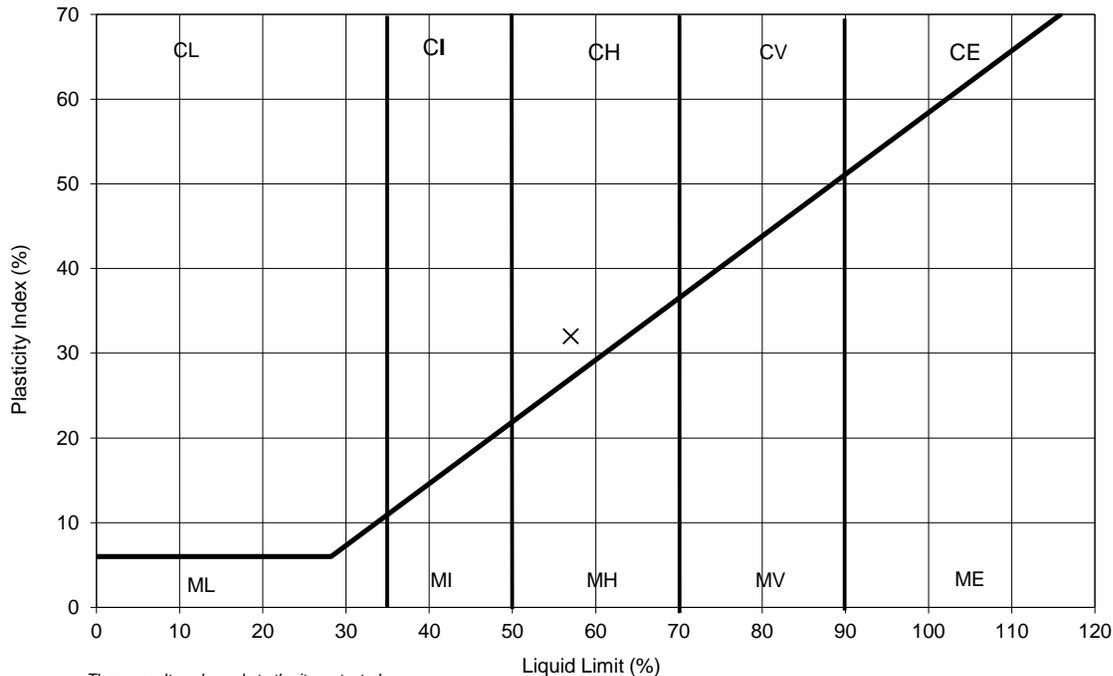


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	57	%
PLASTIC LIMIT	25	%
PLASTICITY INDEX	32	%

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

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MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS14

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Greyish brown and orangish brown mottled silty CLAY with sandy patches

Depth Base m -

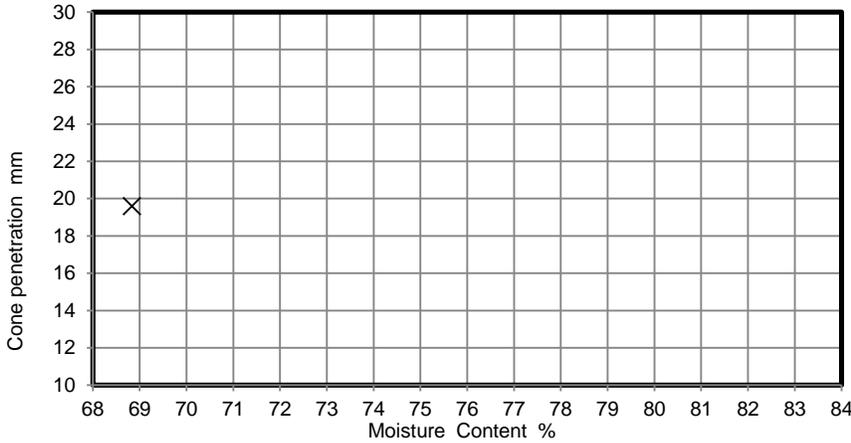
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

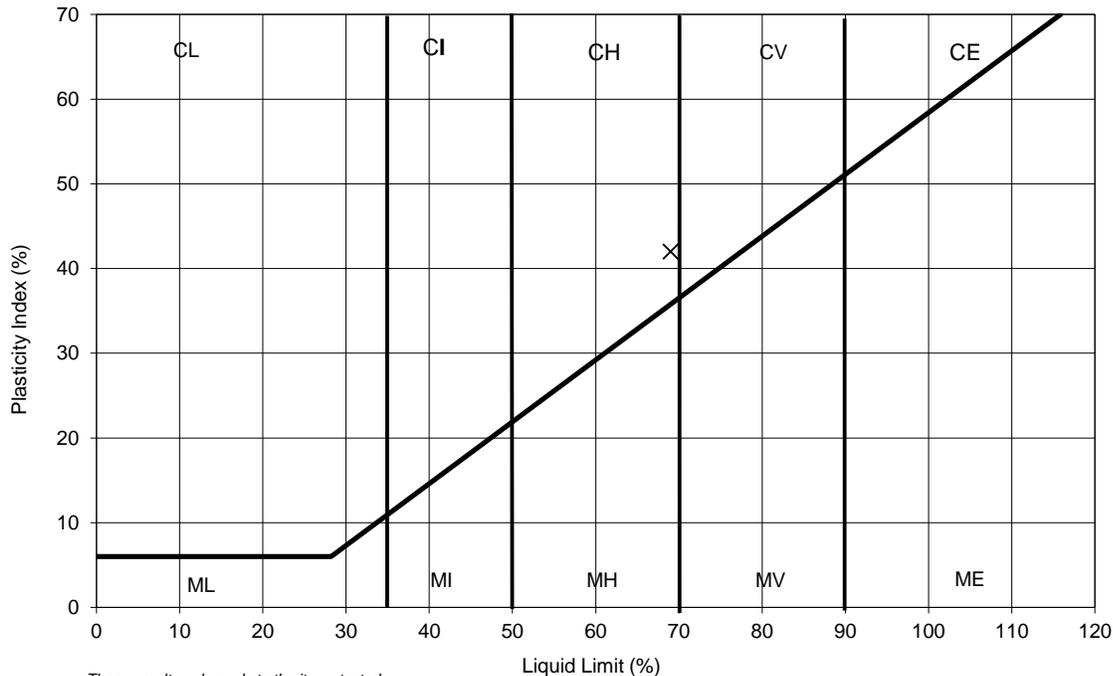


NATURAL MOISTURE CONTENT	29	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	69	%
PLASTIC LIMIT	27	%
PLASTICITY INDEX	42	%

Remarks

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

PLASTICITY INDEX



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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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS14

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.50

Soil Description Brown mottled greyish brown and orangish brown silty CLAY with sandy patches and rare fm sub-rounded ironstained gravel

Depth Base m -

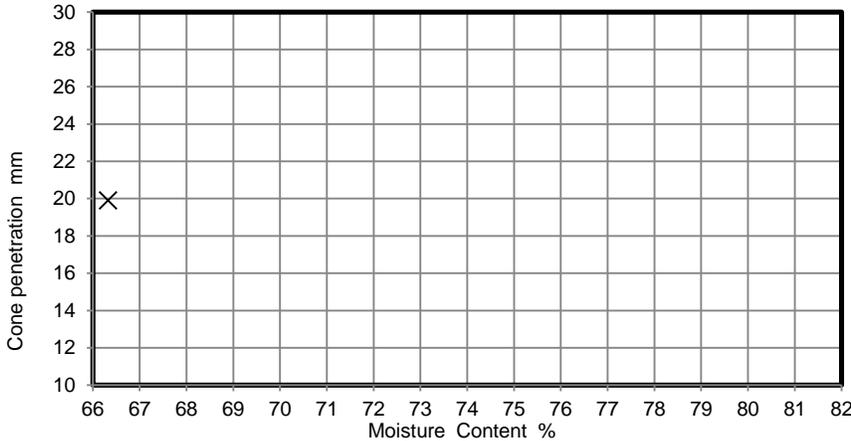
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024



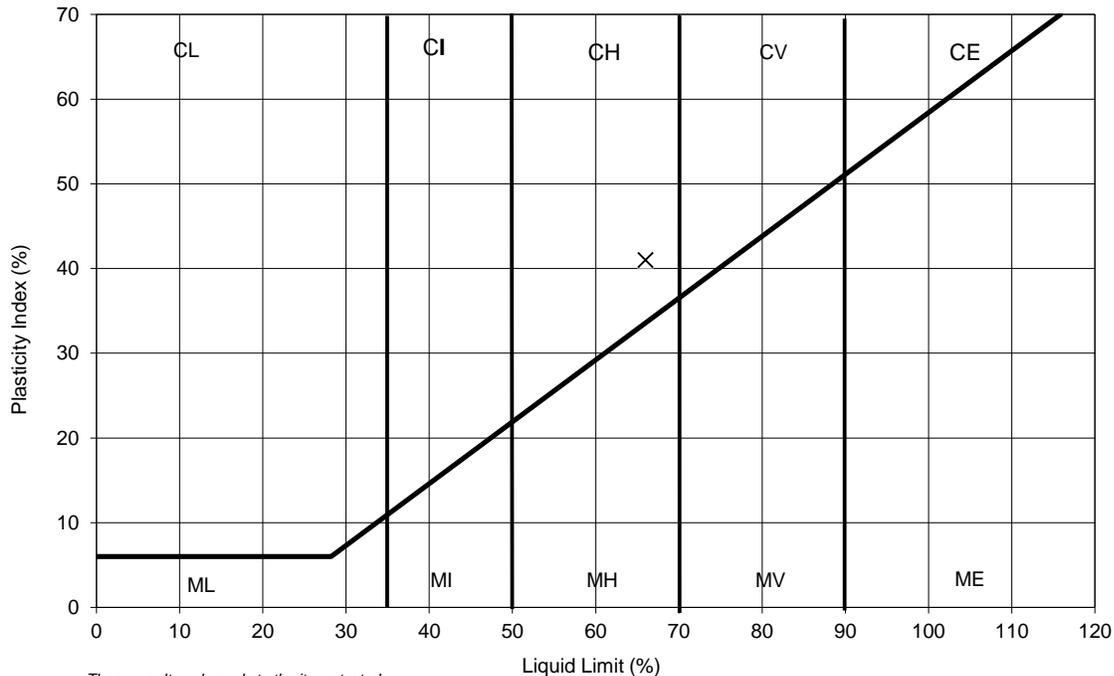
NATURAL MOISTURE CONTENT	23	%
% PASSING 425µm SIEVE	98	%
LIQUID LIMIT	66	%
PLASTIC LIMIT	25	%
PLASTICITY INDEX	41	%

Remarks

Empty box for 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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS15

Site Name Sayers Common

Sample No. 1

Project No. GE22666 Client GESL

Depth Top m 0.50

Soil Description Light brown mottled light grey slightly sandy silty CLAY with rare fine sub-angular gravel and rootlets

Depth Base m -

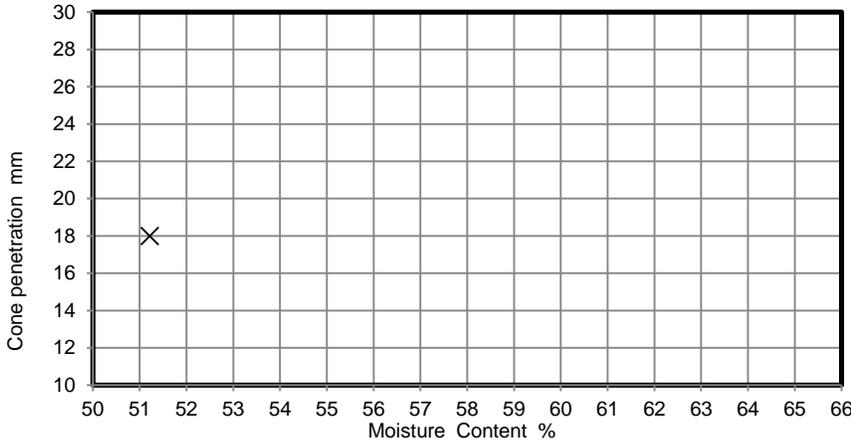
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

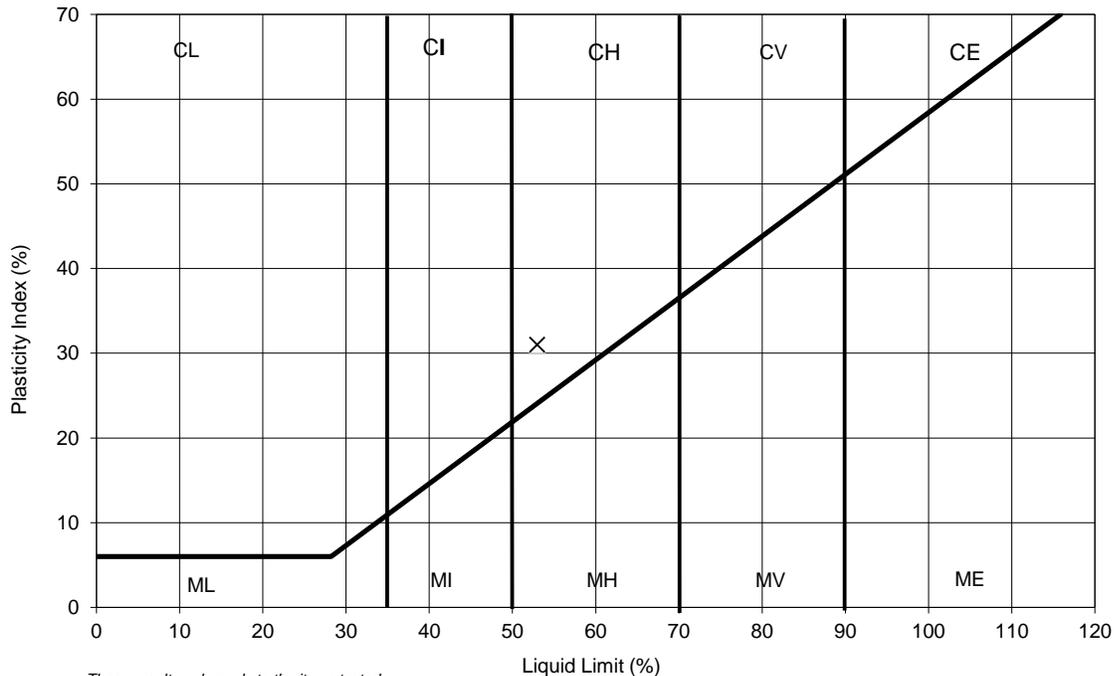


NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	99	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	31	%

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

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Date: 19/09/2024



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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS15

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light grey mottled orangish brown silty CLAY

Depth Base m -

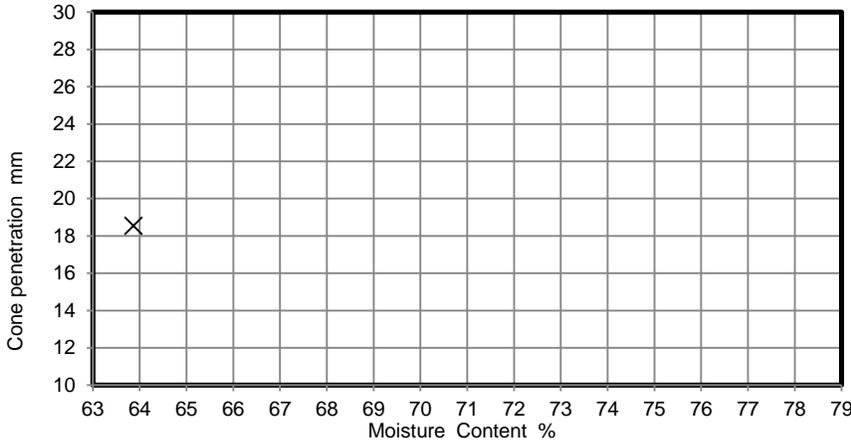
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

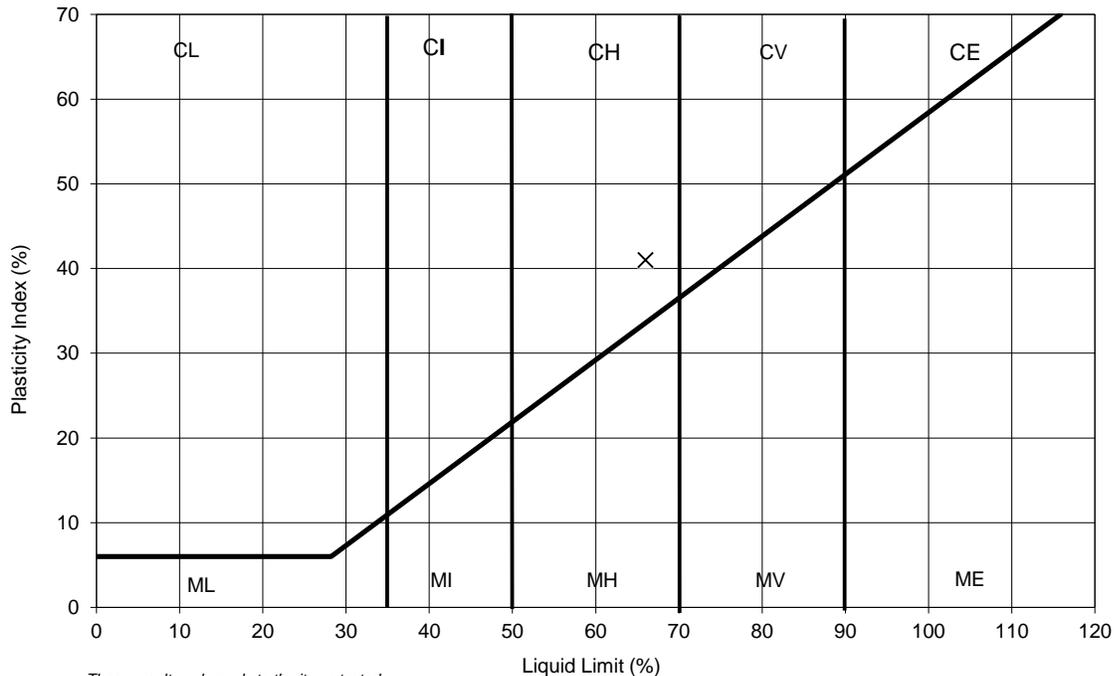


NATURAL MOISTURE CONTENT	25	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	66	%
PLASTIC LIMIT	25	%
PLASTICITY INDEX	41	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS16

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light grey mottled orangish brown slightly sandy silty CLAY

Depth Base m -

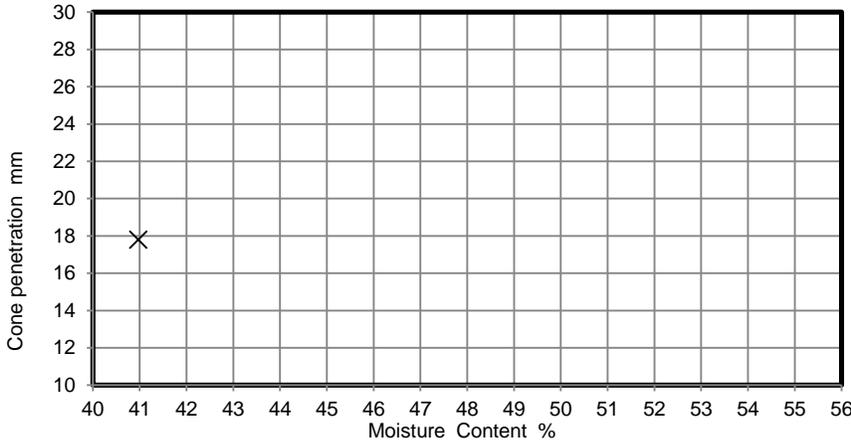
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024



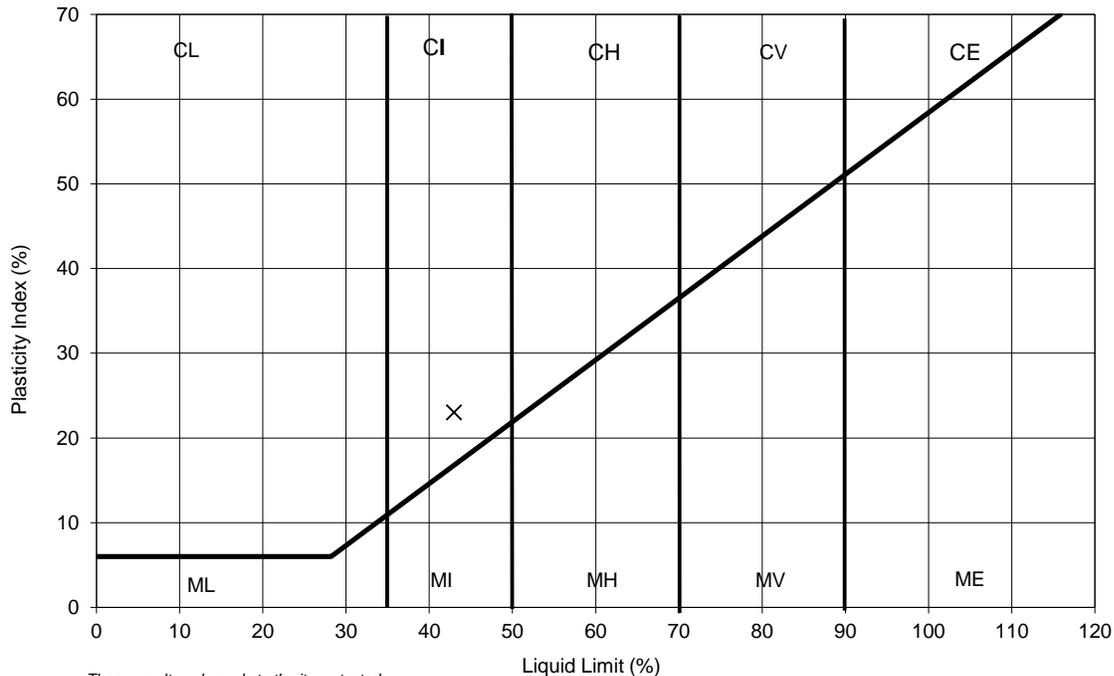
NATURAL MOISTURE CONTENT	19	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	43	%
PLASTIC LIMIT	20	%
PLASTICITY INDEX	23	%

Remarks

Empty box for 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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS16

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Light grey, locally mottled orangish brown and black, sandy silty CLAY

Depth Base m -

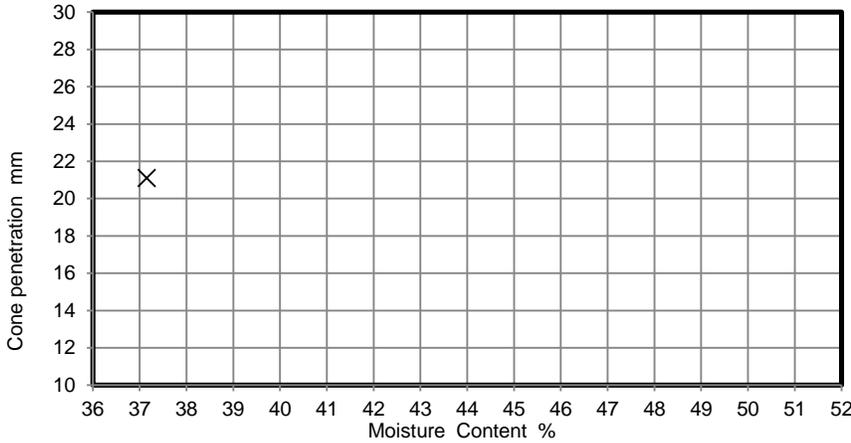
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 13/09/2024

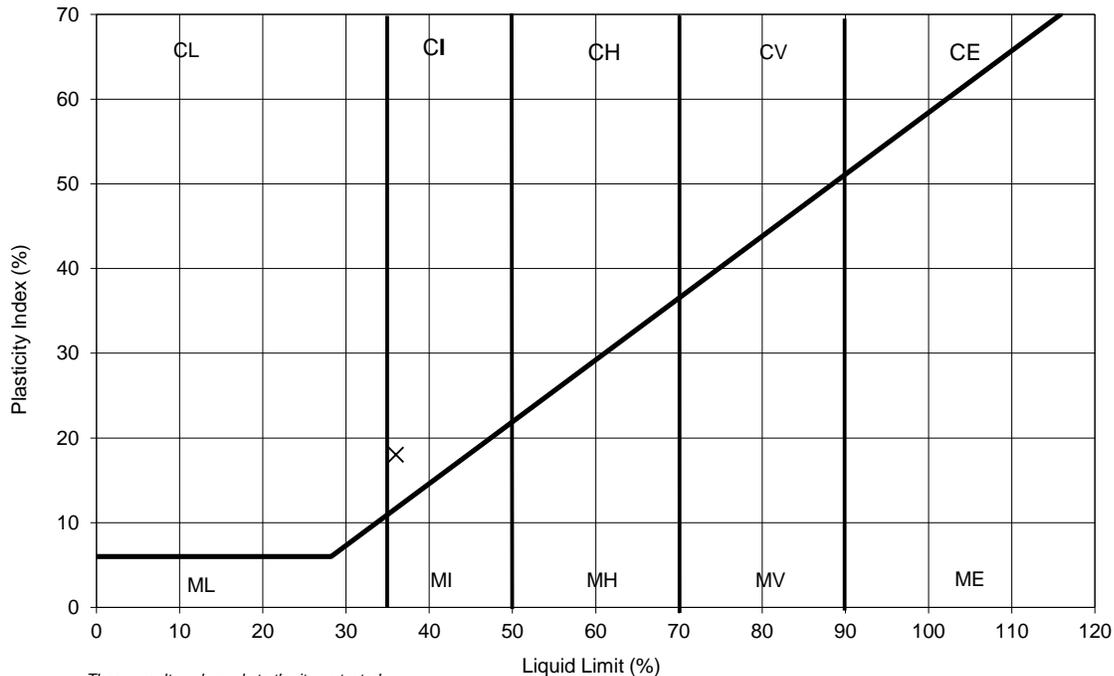


NATURAL MOISTURE CONTENT	15	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	36	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	18	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS16

Site Name Sayers Common

Sample No. 6

Project No. GE22666 Client GESL

Depth Top m 3.00

Soil Description Brown, locally mottled light grey and black silty CLAY

Depth Base m -

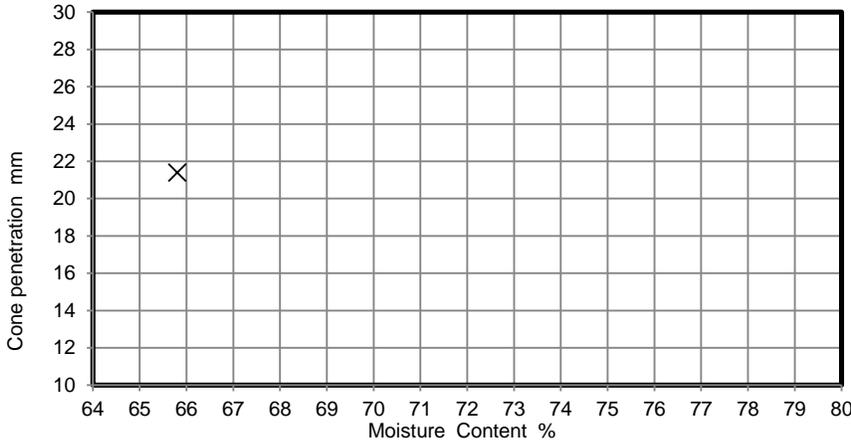
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

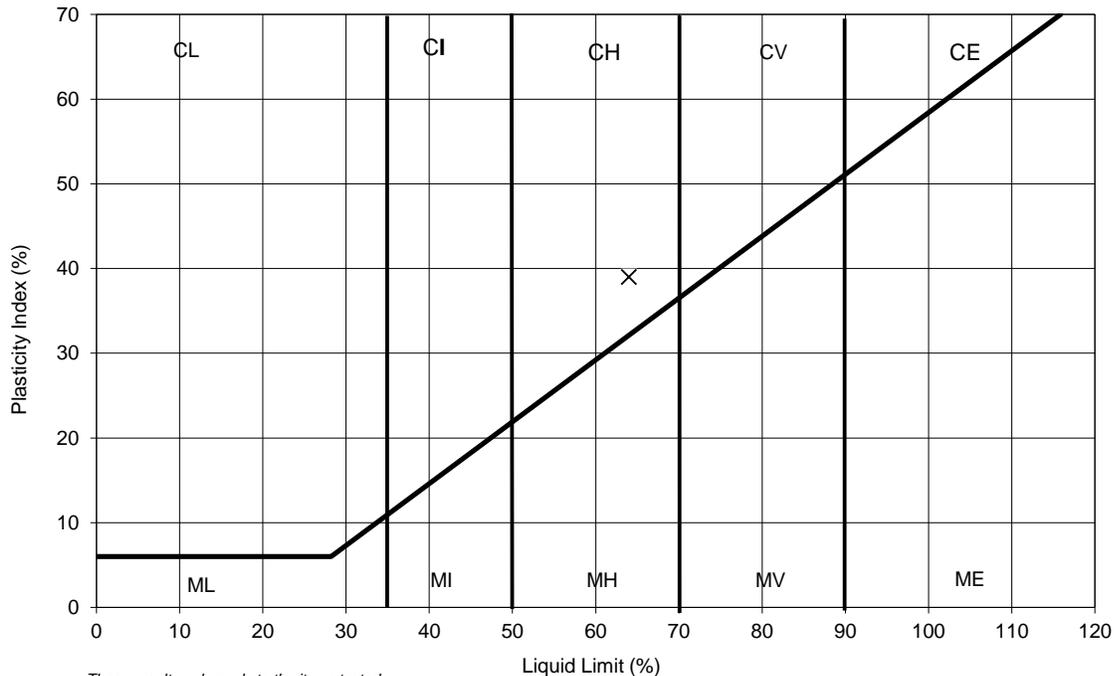


NATURAL MOISTURE CONTENT	23	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	64	%
PLASTIC LIMIT	25	%
PLASTICITY INDEX	39	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS17

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Orangish brown mottled light grey, and locally black, silty CLAY with sandy patches

Depth Base m -

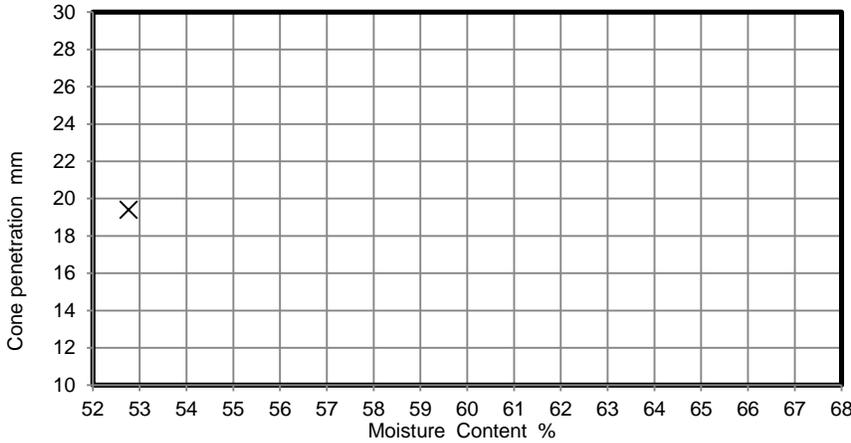
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

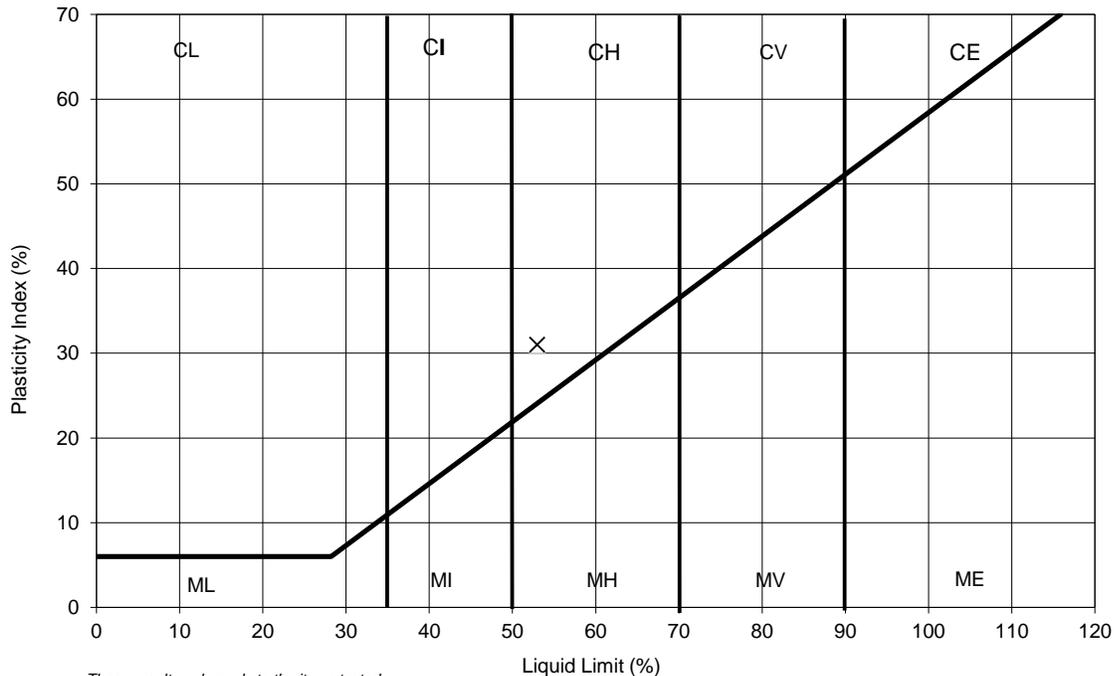


NATURAL MOISTURE CONTENT	27	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	53	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	31	%

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

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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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS17

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 2.00

Soil Description Light grey, locally mottled orangish brown, slightly sandy very silty CLAY

Depth Base m -

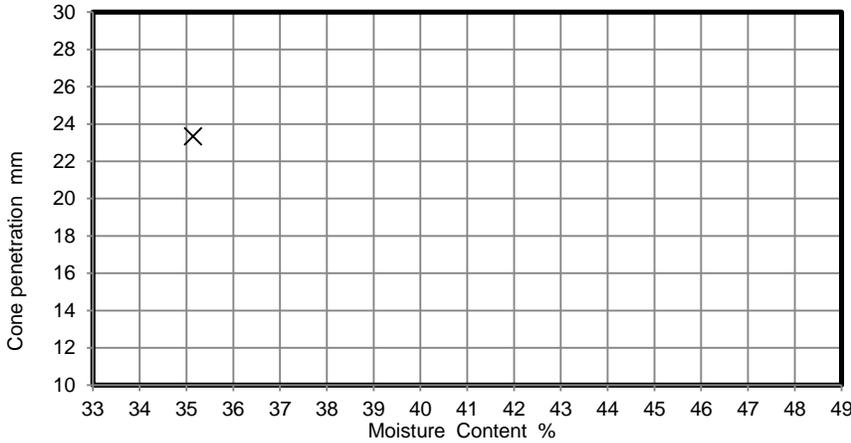
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

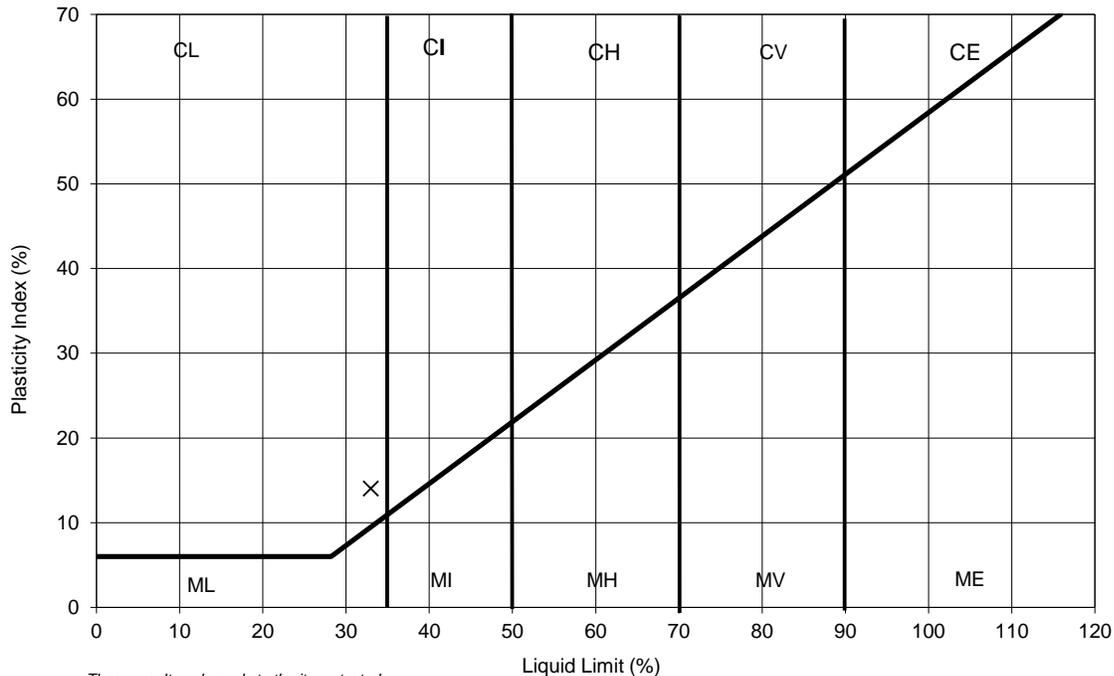


NATURAL MOISTURE CONTENT	16	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	19	%
PLASTICITY INDEX	14	%

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

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS18

Site Name Sayers Common

Sample No. 2

Project No. GE22666 Client GESL

Depth Top m 1.00

Soil Description Light grey mottled orangish brown sandy silty CLAY

Depth Base m -

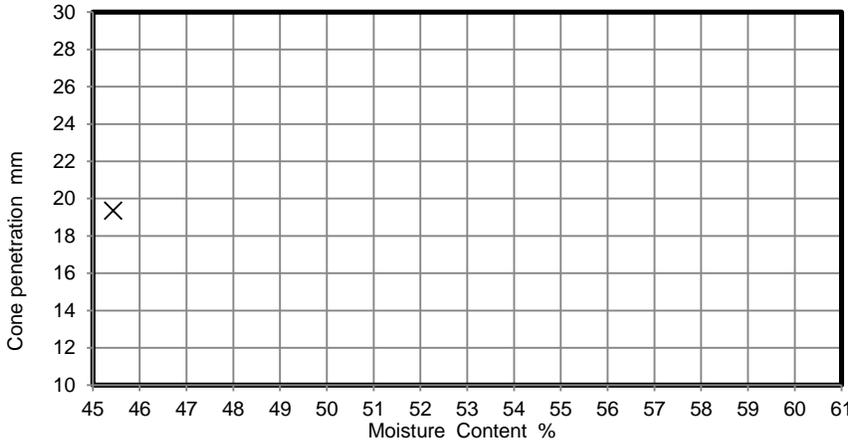
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

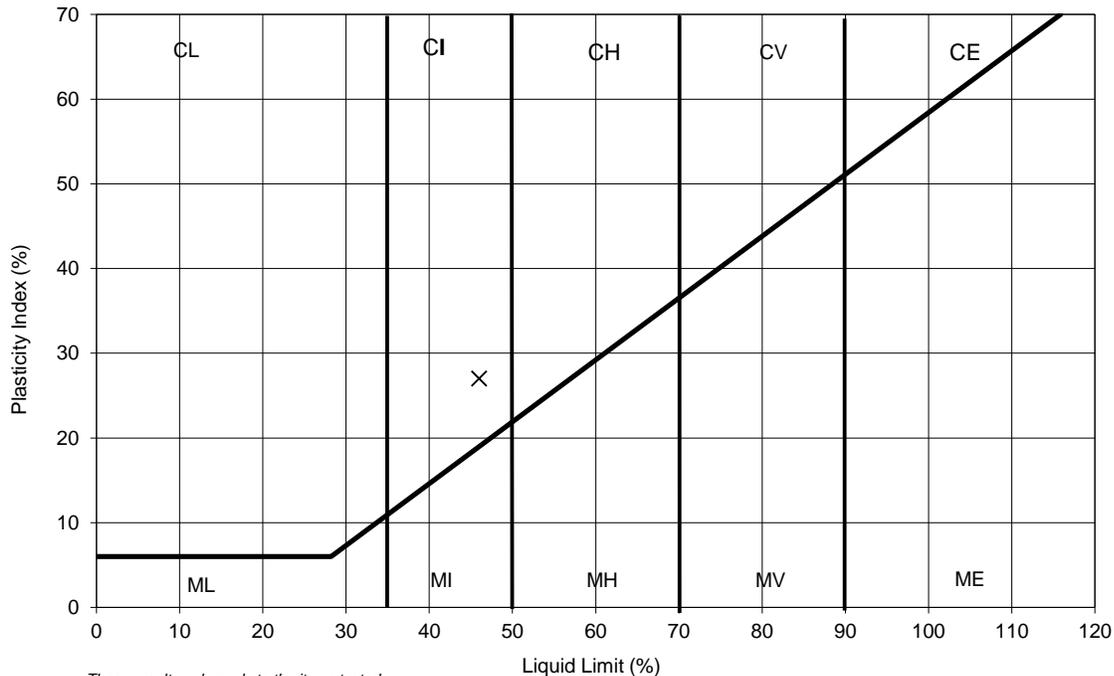


NATURAL MOISTURE CONTENT	20	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	46	%
PLASTIC LIMIT	19	%
PLASTICITY INDEX	27	%

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

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: 19/09/2024



2519

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

MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 35924

Borehole/Pit No. WS18

Site Name Sayers Common

Sample No. 4

Project No. GE22666 Client GESL

Depth Top m 1.50

Soil Description Light grey mottled orangish brown sandy silty CLAY

Depth Base m -

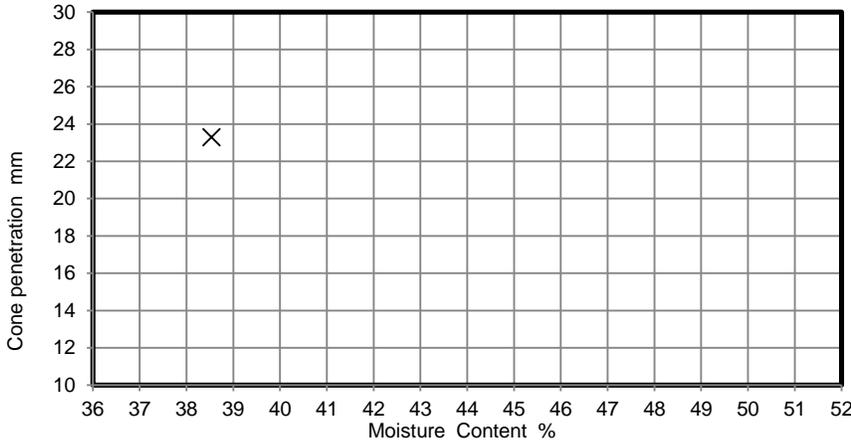
Sample Type D

Samples received 22/08/2024

Schedules received 27/08/2024

Project Started 28/08/2024

Date Tested 16/09/2024

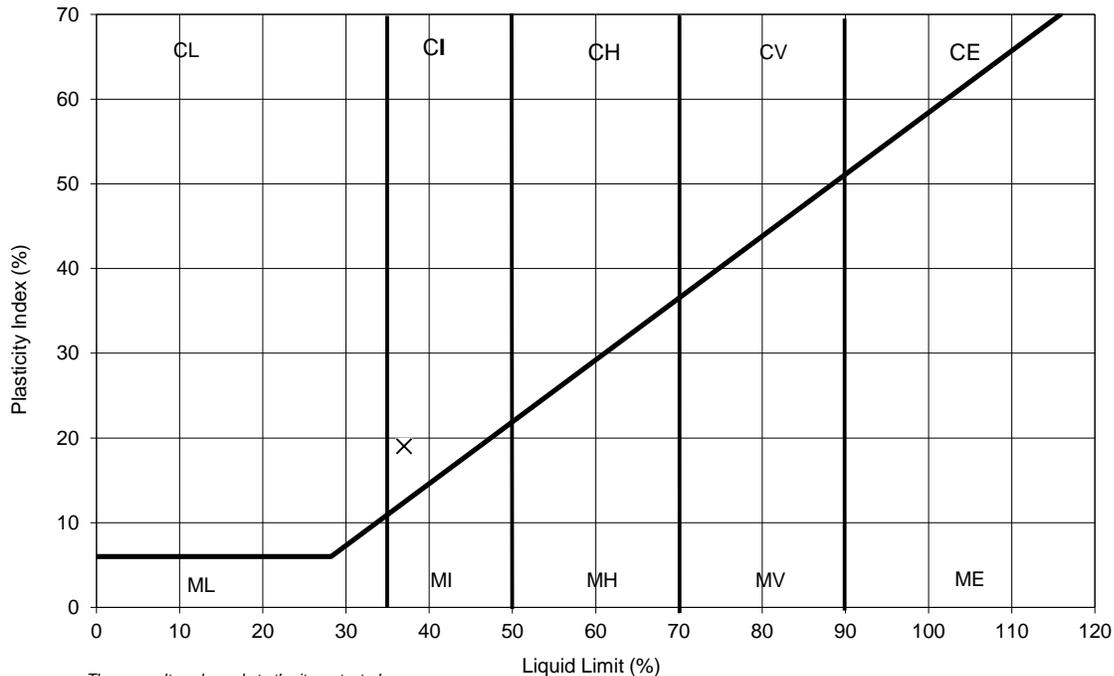


NATURAL MOISTURE CONTENT	20	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	37	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	19	%

Remarks

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

PLASTICITY INDEX



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