

INTERPRETATIVE SITE INVESTIGATION REPORT

At
143 The Greenway, Ickenham,
Uxbridge, Middlesex, UB10 8LT

On behalf of



PROJECT REFERENCE: SU2206150

OUR REFERENCE: MSI.00256

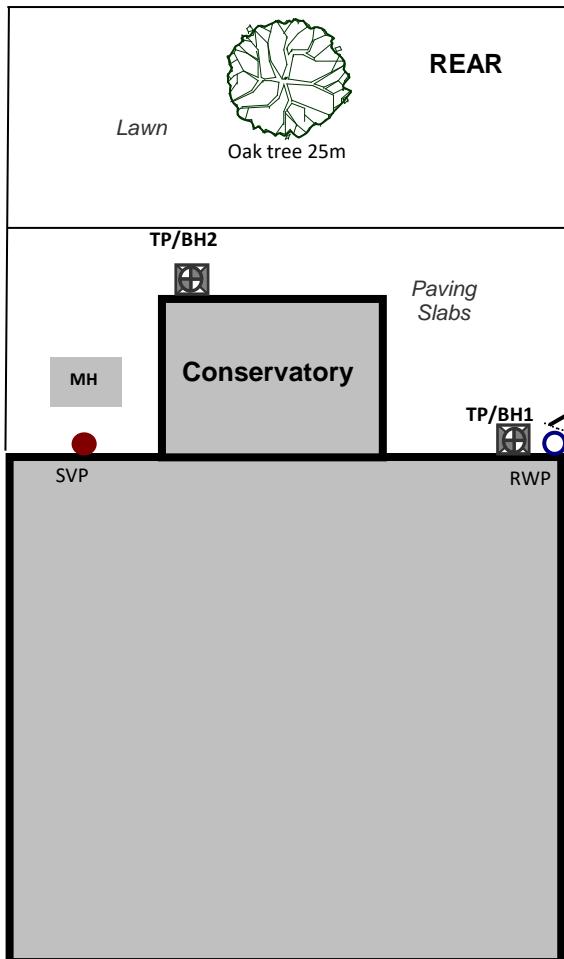
May 2024



Investigation Site Plan

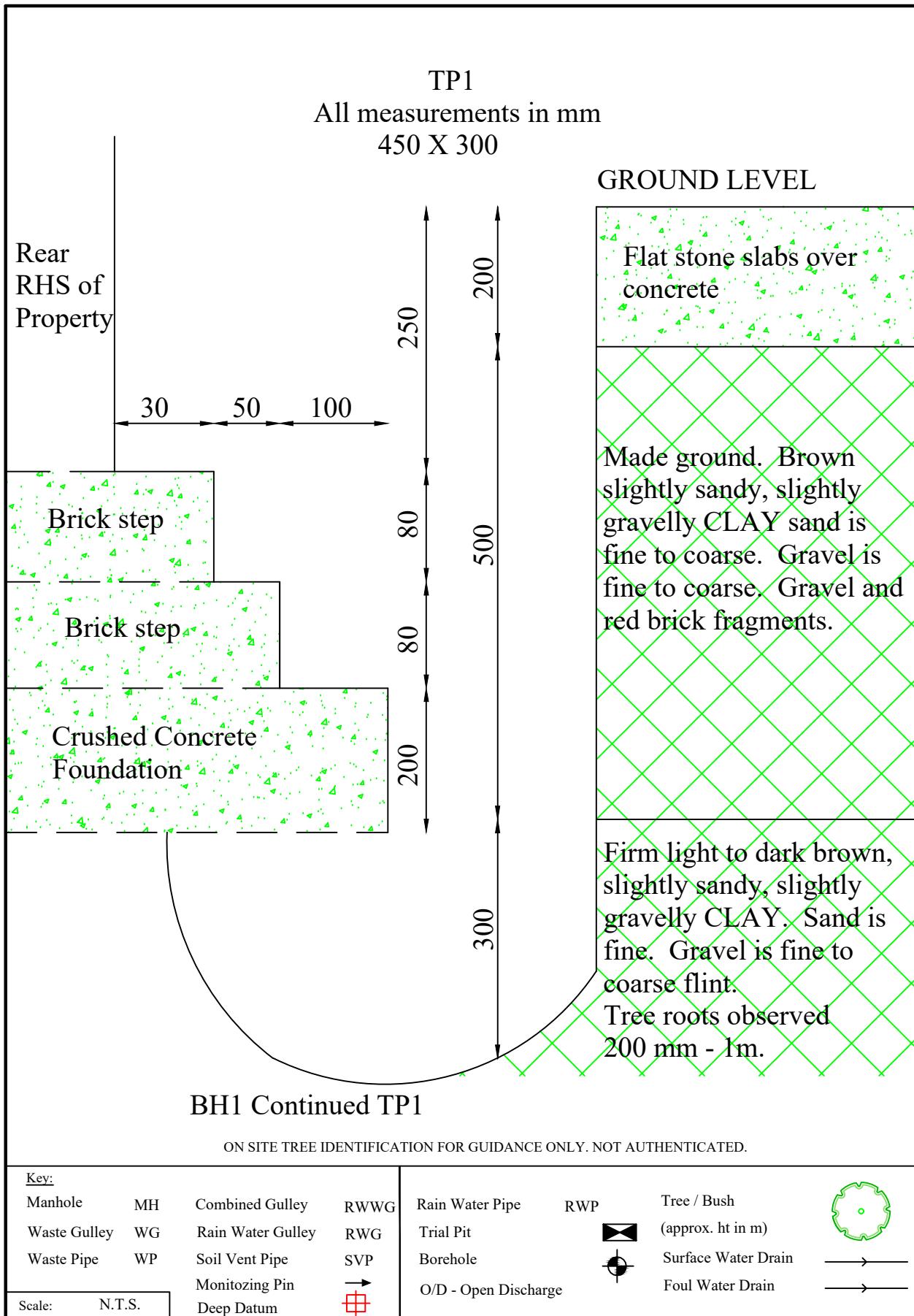
Address 143 The Greenway, UB10 8LT

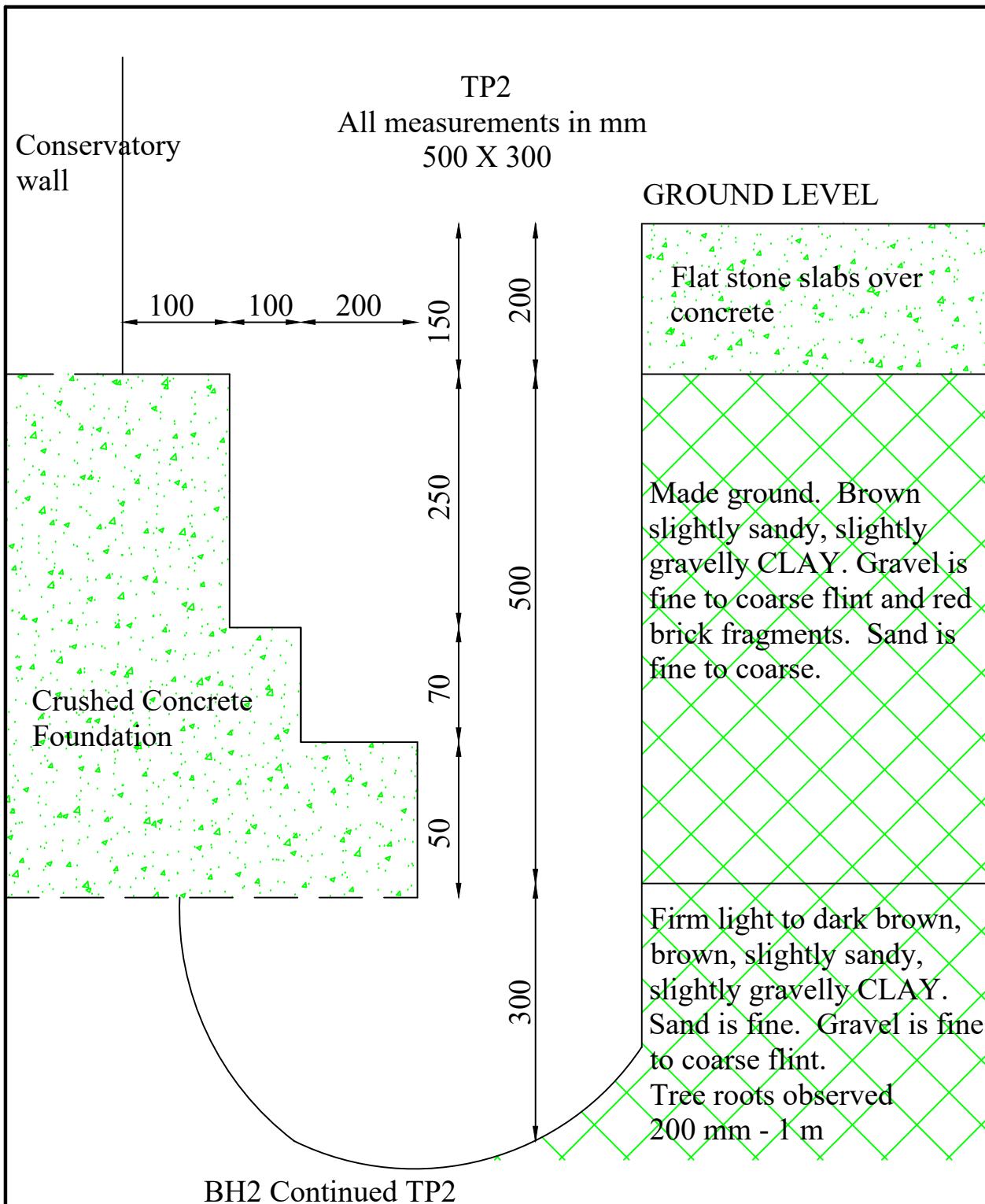
Job Number SU2206150



(This plan is not to be scaled and is provided to illustrate general layout only)

General Comments:





ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

Key:							
Manhole	MH	Combined Gully	RWWG	Rain Water Pipe	RWP	Tree / Bush (approx. ht in m)	
Waste Gully	WG	Rain Water Gully	RWG	Trial Pit			
Waste Pipe	WP	Soil Vent Pipe	SVP	Borehole			
		Monitoring Pin	→	O/D - Open Discharge			
Scale:	N.T.S.	Deep Datum	■			Surface Water Drain	→
						Foul Water Drain	→



Borehole Log

Borehole No.

BH1

Sheet 1 of 1

Project Name: 143 The Greenway, Ickenham, Uxbridge, Middlesex			Project No. SU2206150		Co-ords:		Hole Type WS	
Location: UB10 8LT					Level:		Scale 1:15	
Client: Crawfords					Dates: 22/04/2024	Logged By CL		
Well	Water Strikes	Sample and In Situ Testing		Depth (m)	Level (m AOD)	Legend	Stratum Description	1
		Depth (m)	Type					
		0.00 - 0.50	D		0.20		Flagstone Slabs over concrete.	
		0.50 - 1.00 0.50	D	HVP=56	0.70		MADE GROUND. Brown slightly sandy, slightly gravelly, CLAY. Sand is fine to coarse. Gravel is fine to coarse flint and red brick fragments.	
		1.00 - 1.50 1.00	D	HVP=56			Firm light to dark brown, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium angular- sub angular flint.	
		1.50 - 2.00 1.50	D	HVP=63				
		2.00 - 2.50 2.00	D	HVP=71				
		2.50 - 3.00 2.50	D	HVP=72				
		3.00		HVP=76	3.00		End of Borehole at 3.000m	3
Remarks 1. CAT scanned prior to manual excavation of inspection pit. 2. No groundwater was observed. 3. Tree roots observed to do a depth of 1.00mbgl. 4. Borehole depth of 3.00mbgl. 5. On completion the borehole was open and dry. 6. Shear Vane tests undertaken throughout.								



Borehole Log

Borehole No.

BH2

Sheet 1 of 1

Project Name: 143 The Greenway, Ickenham, Uxbridge, Middlesex			Project No. SU2206150		Co-ords:		Hole Type WS	
Location: UB10 8LT					Level:		Scale 1:15	
Client: Crawfords					Dates: 22/04/2024	Logged By CL		
Well	Water Strikes	Sample and In Situ Testing		Depth (m)	Level (m AOD)	Legend	Stratum Description	1
		Depth (m)	Type					
		0.00 - 0.50	D		0.20		Flagstone Slabs over concrete.	
		0.50 - 1.00 0.50	D	HVP=59	0.70		MADE GROUND. Brown slightly sandy, slightly gravelly, CLAY. Sand is fine to coarse. Gravel is fine to coarse flint and red brick fragments.	
		1.00 - 1.50 1.00	D	HVP=61			Firm light to dark brown, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is fine to medium angular- sub angular flint.	
		1.50 - 2.00 1.50	D	HVP=65				
		2.00 - 2.50 2.00	D	HVP=71				
		2.50 - 3.00 2.50	D	HVP=71				
		3.00		HVP=72	3.00		End of Borehole at 3.000m	3
Remarks 1. CAT scanned prior to manual excavation of inspection pit. 2. No groundwater was observed. 3. Tree roots observed to do a depth of 1.00mbgl. 4. Borehole depth of 3.00mbgl. 5. On completion the borehole was open and dry. 6. Shear Vane tests undertaken throughout.								

Site Photographs

Project Ref: SU2206150

Site Name: 143 The Greenway, UB10 8LT

1.



2.



3.



4.



1) TP1

2) Oak tree in rear garden

3) TP/BH1

4) TP/BH1
Reinstatement

Site Photographs

5.



6.



7.



8.



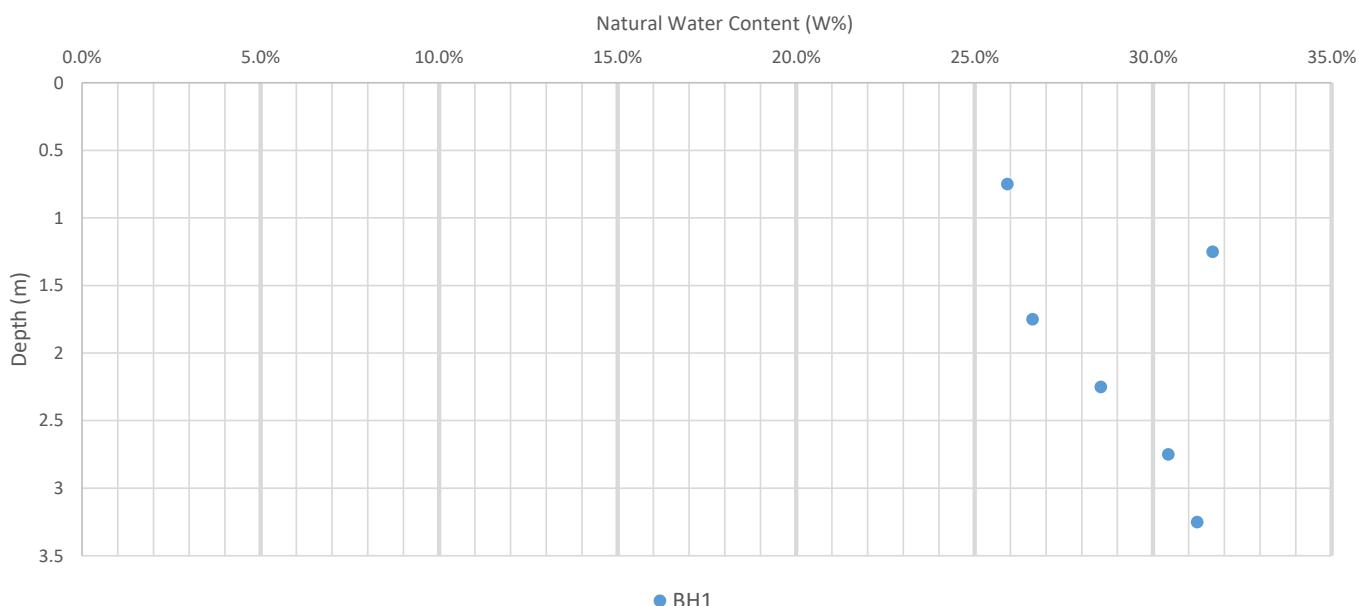
- 5) TP2
- 6) TP2
- 7) TP/BH2
- 8) TP/BH2
Reinstatement



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NATURAL WATER CONTENT

SUMMARY OF RESULTS FROM LL & PI



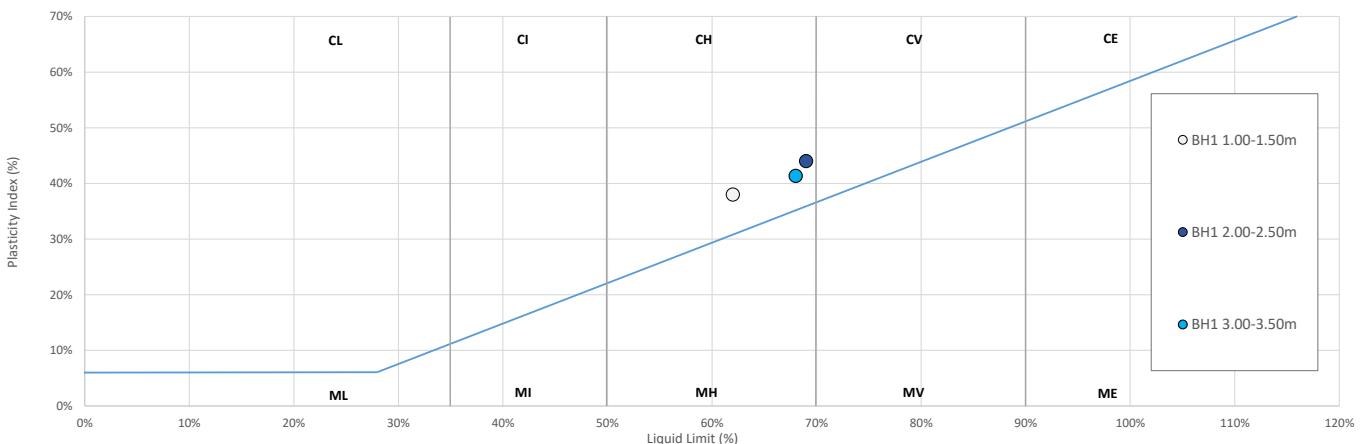
Constructive Evaluation Ltd Units 15 & 16 Ford Lane Business Park, Ford Lane, Arundel, West Sussex BN18 0UZ TEL: 01243 957063 E: info@celtduk.com	Test Procedure(s): Checked and Approved:	BS17892: Part 1: Clause 5.2 : 2014: Determination of water content by the oven drying method SFL (Senior Lab Technician) <i>Simon Lyk</i>
		03/05/2024



LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX

SUMMARY OF RESULTS

Project No		SU2206150												
Project Name		143 The Greenway, Ickenham, Uxbridge												
Client		Crawford												
Hole ID	Depth (m)	Moisture Content (W%)	Liquid Limit (WL%)	Plastic Limit (WP%)	Plasticity Index (Ip%)	Portion retained on 425µm Sieve (%)	Modified PI (Ip%)	Soil Classification	Consistency Index (Ipc)	Sample description		Volume change potential		
										Low	Medium	High		
BH1	0.50-1.00m	26%	-	-	-	-	-	-	-	-	-	-		
BH1	1.00-1.50m	32%	62%	24%	38%	9%	35%	CH	0.80	Brown, grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse flint, chalk and brick.		No	Yes	No
BH1	1.50-2.00m	27%	-	-	-	-	-	-	-	-	-	-	-	
BH1	2.00-2.50m	29%	69%	25%	44%	8%	41%	CH	0.92	Brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to medium flint & mudstone.		No	No	Yes
BH1	2.50-3.00m	30%	-	-	-	-	-	-	-	-	-	-	-	
BH1	3.00-3.50m	31%	68%	26%	41%	3%	40%	0	0.89	Brown mottled grey CLAY. Occasional fine white crystals observed.		No	No	Yes

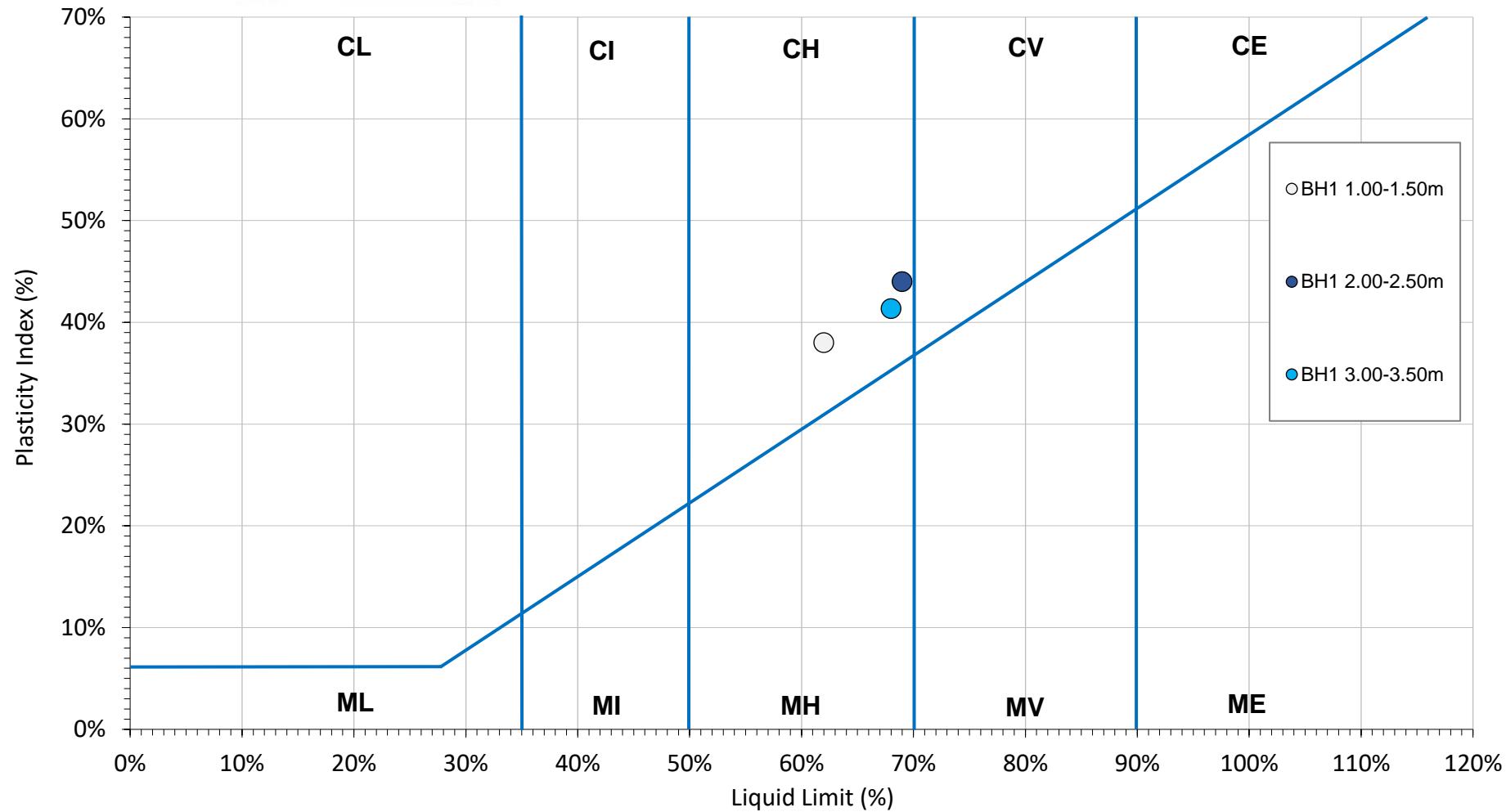


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		BS17892: Part 12: Clause 5.3 : 2018: Determination of the liquid limit by the fall cone method		
		BS17892: Part 12: Clauses 5.5 & 6.5 : 2018: Determination of the plastic limit and plasticity index		
Checked and Approved:	SFL (Senior Lab Technician)	<i>Simon Lyte</i>		03/05/2024



PLASTICITY CHART FOR SOIL CLASSIFICATION:

SU2206150 143 The Greenway, Ickenham, Uxbridge

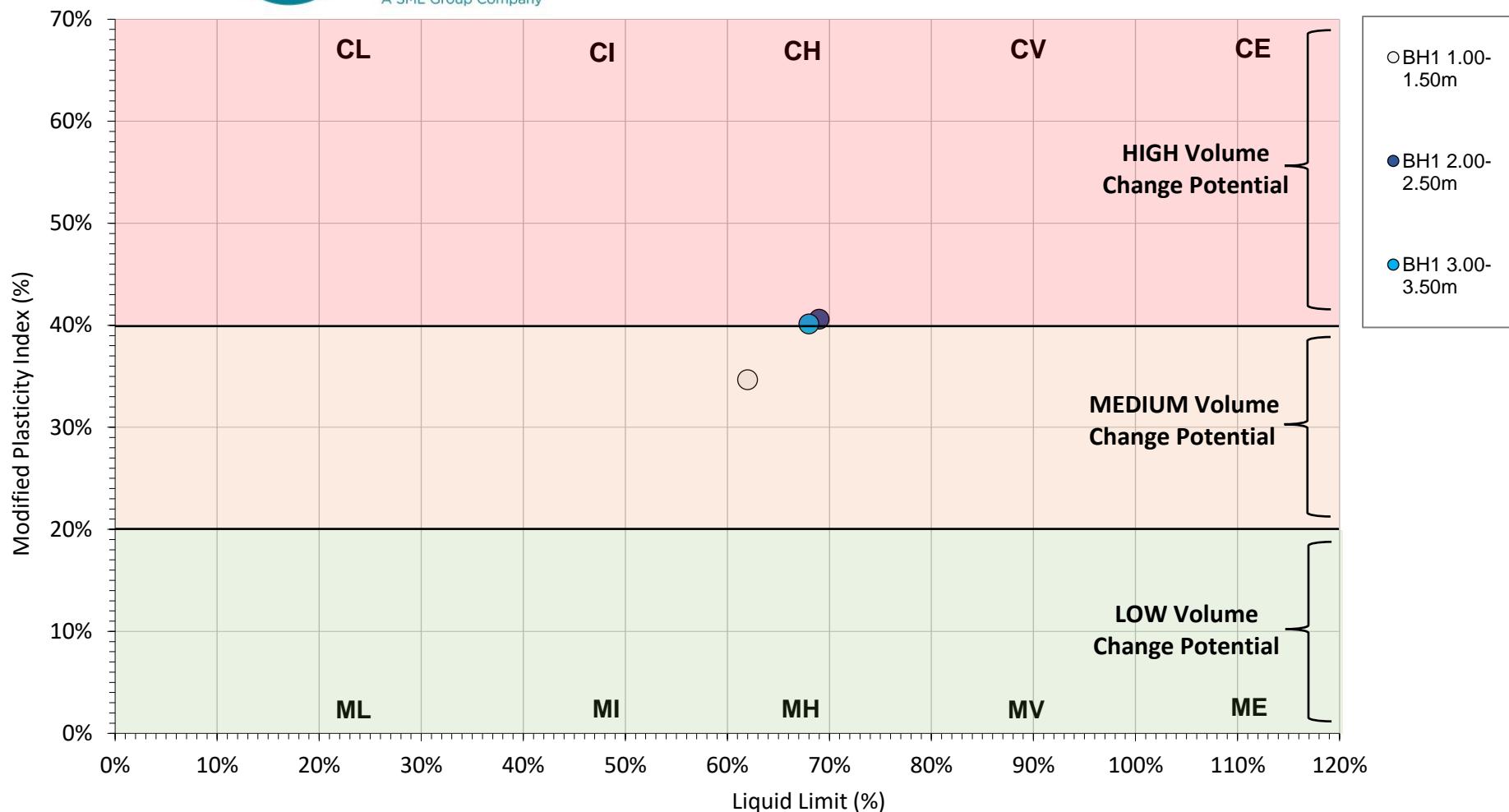




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NHBC Volume Change Potential:

SU2206150 143 The Greenway, Ickenham, Uxbridge



**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

Testing performed in accordance with BS 17892-12: 2018: Clauses 5.3, 5.5, 6.5

Project No

SU2206150

Project Name

143 The Greenway, Ickenham, Uxbridge
Crawford

Client

Sample Position & Depth:

BH1

1.00-1.50m

Test Date:

03/05/2024

Sample Description:

Brown, grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse flint, chalk and brick.

Original Dried Mass (g):

331.16

Natural Moisture Content (W%)

32%

Liquid Limit (WL%)

62%

Plastic Limit (WP%)

24%

Plasticity Index (IP%)

38%

Classification

CH

Portion Retained on 425µm Sieve (%)

9%

Modified Plasticity Index (factoring in the above) (l'p%)

35%

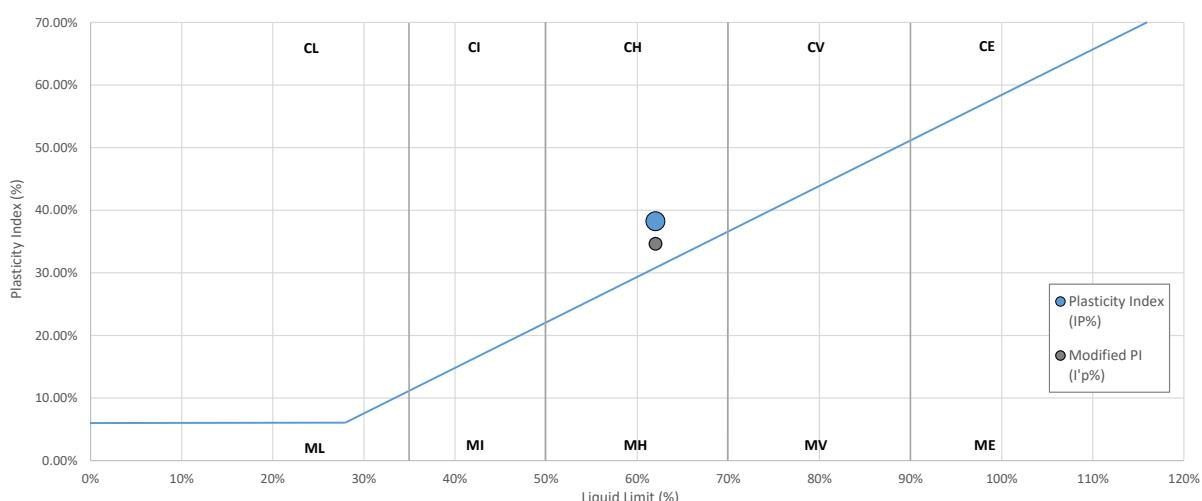
Consistency Index (Ipc)

0.80

Fall Cone Used:

30°-80 g cone

Remarks



Constructive Evaluation Ltd

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Test Procedure(s):

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Checked and Approved:

SFL (Senior Lab Technician)

03/05/2024

**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

Testing performed in accordance with BS 17892-12: 2018: Clauses 5.3, 5.5, 6.5

Project No

SU2206150

Project Name

143 The Greenway, Ickenham, Uxbridge
Crawford

Client

Sample Position & Depth:

BH1**2.00-2.50m**

Test Date:

03/05/2024

Sample Description:

Brown mottled grey slightly sandy slightly gravelly
CLAY. Gravel is fine to medium flint & mudstone.

Original Dried Mass (g):

335.48

Natural Moisture Content (W%)

29%

Liquid Limit (WL%)

69%

Plastic Limit (WP%)

25%

Plasticity Index (IP%)

44%

Classification

CH

Portion Retained on 425µm Sieve (%)

8%

Modified Plasticity Index (factoring in the above) (l'p%)

41%

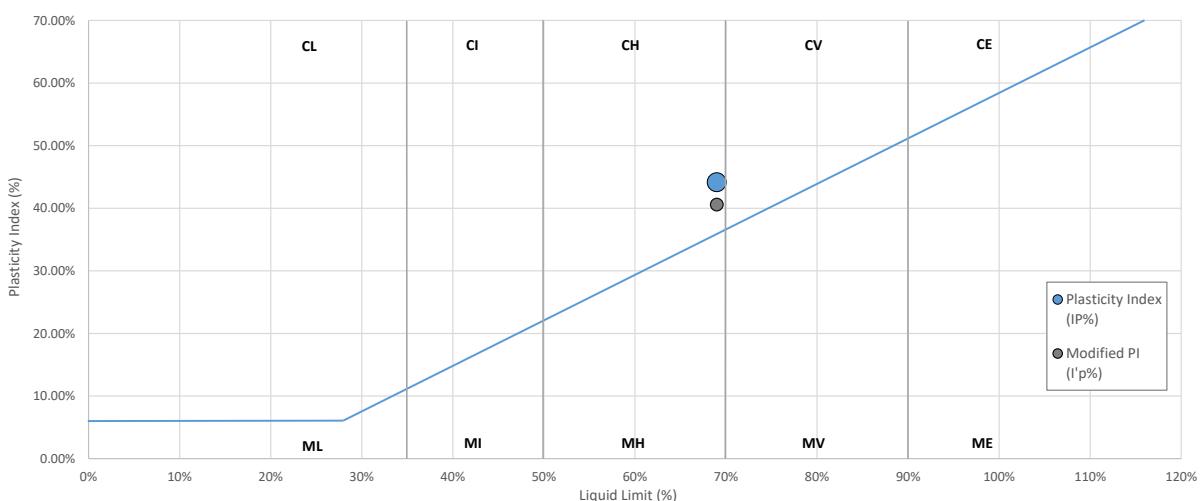
Consistency Index (Ipc)

0.92

Fall Cone Used:

30°-80 g cone

Remarks



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Checked and Approved:

SFL (Senior Lab
Technician)**03/05/2024**

**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

Testing performed in accordance with BS 17892-12: 2018: Clauses 5.3, 5.5, 6.5

Project No

SU2206150

Project Name

143 The Greenway, Ickenham, Uxbridge
Crawford

Client

Sample Position & Depth:

BH1**3.00-3.50m**

Test Date:

03/05/2024

Sample Description:

Brown mottled grey CLAY. Occasional fine white crystals observed.

Original Dried Mass (g):

327.26

Natural Moisture Content (W%)

31%

Liquid Limit (WL%)

68%

Plastic Limit (WP%)

26%

Plasticity Index (IP%)

41%

Classification

Portion Retained on 425µm Sieve (%)

3%

Modified Plasticity Index (factoring in the above) (l'p%)

40%

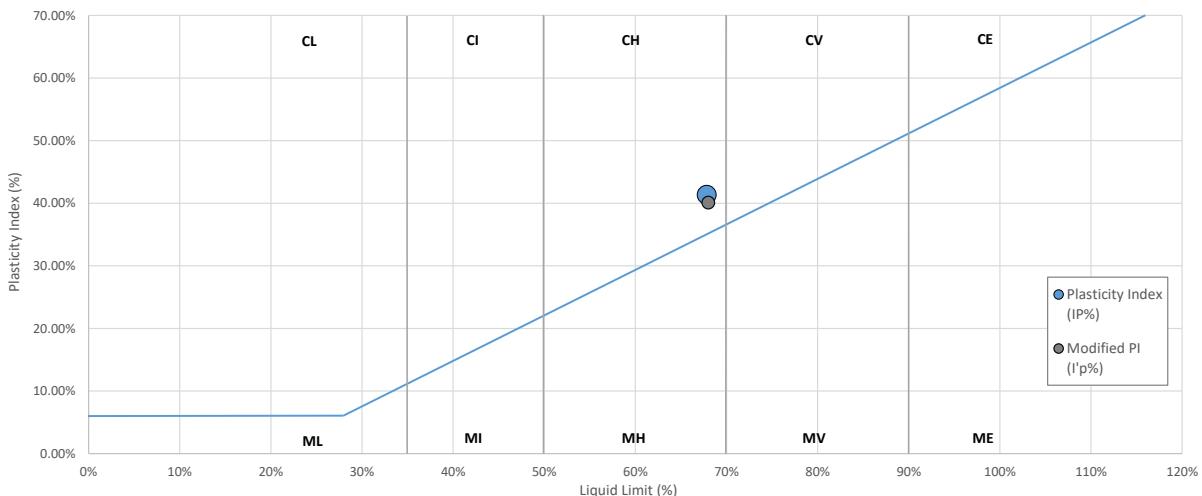
Consistency Index (Ipc)

0.89

Fall Cone Used:

30°-80 g cone

Remarks



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SFL (Senior Lab
Technician)**03/05/2024**

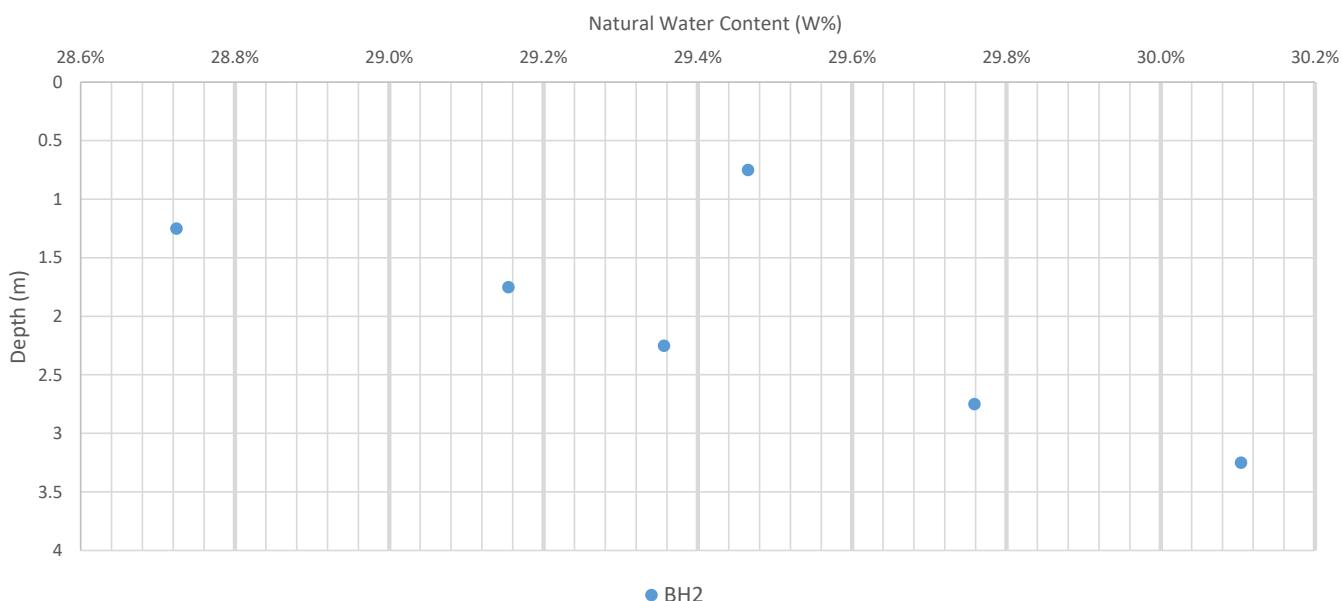


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NATURAL WATER CONTENT

SUMMARY OF RESULTS FROM LL & PI

Project No	SU2206150
Project Name	143 The Greenway, Ickenham, Uxbridge
Client	Crawford

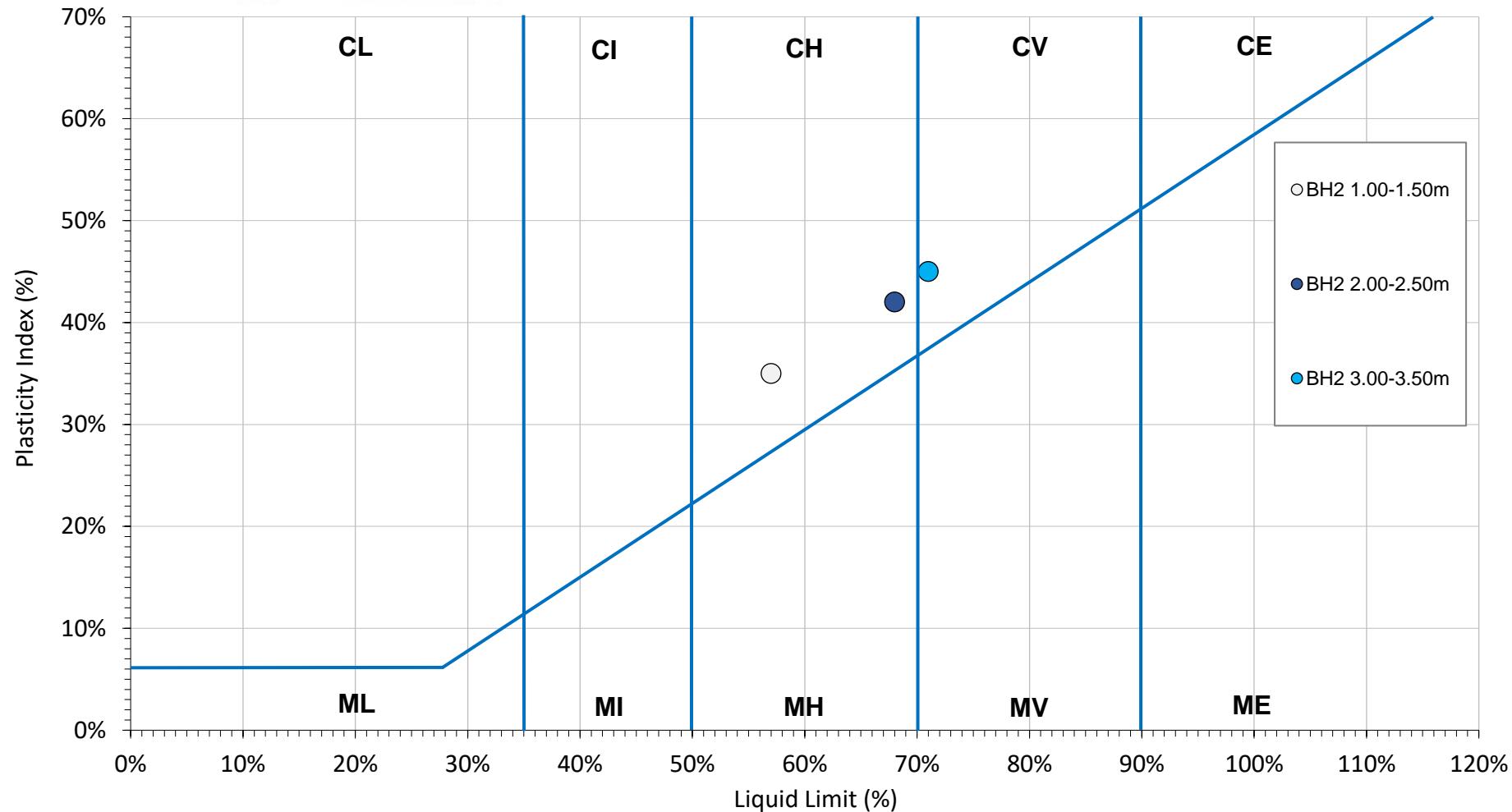


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PLASTICITY CHART FOR SOIL CLASSIFICATION:

SU2206150 143 The Greenway, Ickenham, Uxbridge





LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX

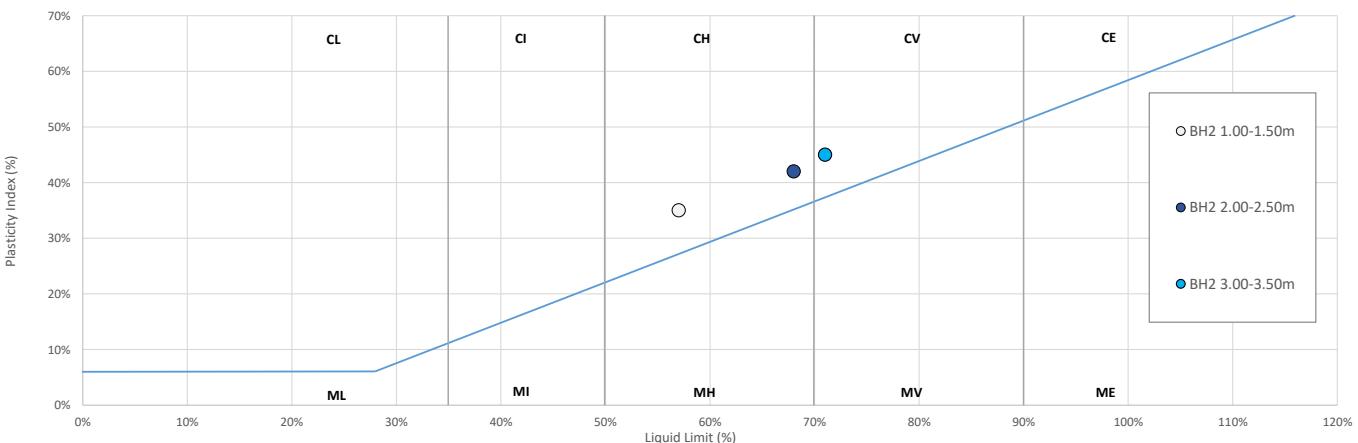
SUMMARY OF RESULTS

Project No **SU2206150**

Project Name **143 The Greenway, Ickenham, Uxbridge**

Client **Crawford**

Hole ID	Depth (m)	Moisture Content (W%)	Liquid Limit (WL%)	Plastic Limit (WP%)	Plasticity Index	Portion retained on 425µm Sieve (%)	Modified PI (I p%)	Soil Classification	Consistency Index (Ipc)	Sample description	Volume change potential			Remarks
											Low	Medium	High	
BH2	0.50-1.00m	29%	-	-	-	-	-	-	-	-	-	-	-	
BH2	1.00-1.50m	29%	57%	22%	35%	35%	23%	MH	0.81	Brown, grey mottled orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse flint. Rare rootlets observed.	No	Yes	No	
BH2	1.50-2.00m	29%	-	-	-	-	-	-	-	-	-	-	-	
BH2	2.00-2.50m	29%	68%	26%	42%	3%	40%	CH	0.92	Grey brown slightly sandy slightly gravelly CLAY. Gravel is fine coarse flint.	No	No	Yes	
BH2	2.50-3.00m	30%	-	-	-	-	-	-	-	-	-	-	-	
BH2	3.00-3.50m	30%	71%	26%	45%	7%	42%	CV	0.91	Grey brown mottled grey CLAY. Occasional fine white crystals.	No	No	Yes	



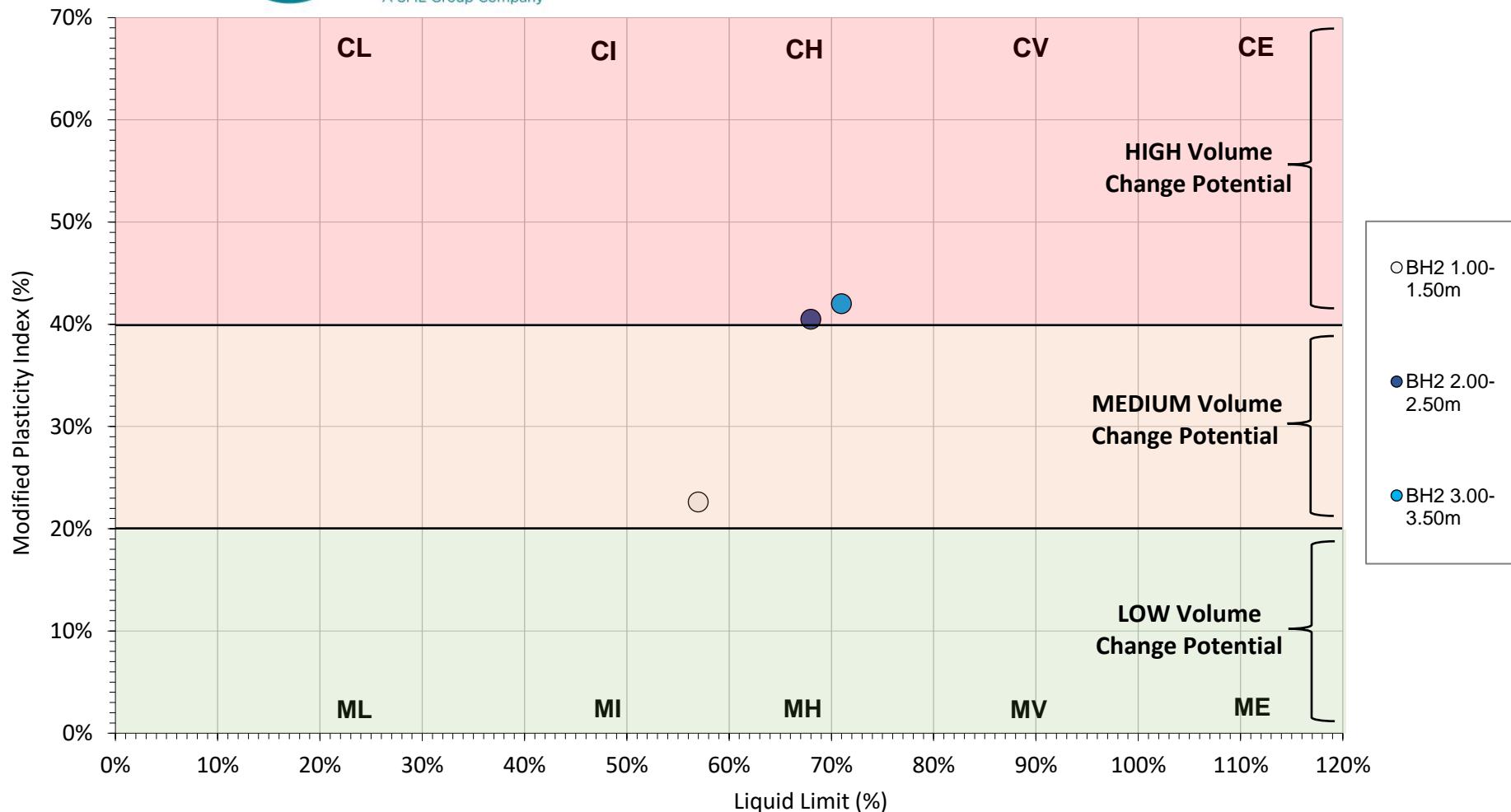
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	Checked and Approved:	SFL (Senior Lab Technician)	Sam Ly	03/05/2024



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NHBC Volume Change Potential:

SU2206150 143 The Greenway, Ickenham, Uxbridge



**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

Testing performed in accordance with BS 17892-12: 2018: Clauses 5.3, 5.5, 6.5

Project No

SU2206150

Project Name

143 The Greenway, Ickenham, Uxbridge
Crawford

Client

Sample Position & Depth:

BH2**1.00-1.50m**

Test Date:

03/05/2024

Sample Description:

Brown, grey mottled orangish brown slightly sandy
slightly gravelly CLAY. Gravel is fine to coarse flint.
Rare rootlets observed.

Original Dried Mass (g):

398.03

Natural Moisture Content (W%)

29%

Liquid Limit (WL%)

57%

Plastic Limit (WP%)

22%

Plasticity Index (IP%)

35%

Classification

MH

Portion Retained on 425µm Sieve (%)

35%

Modified Plasticity Index (factoring in the above) (l'p%)

23%

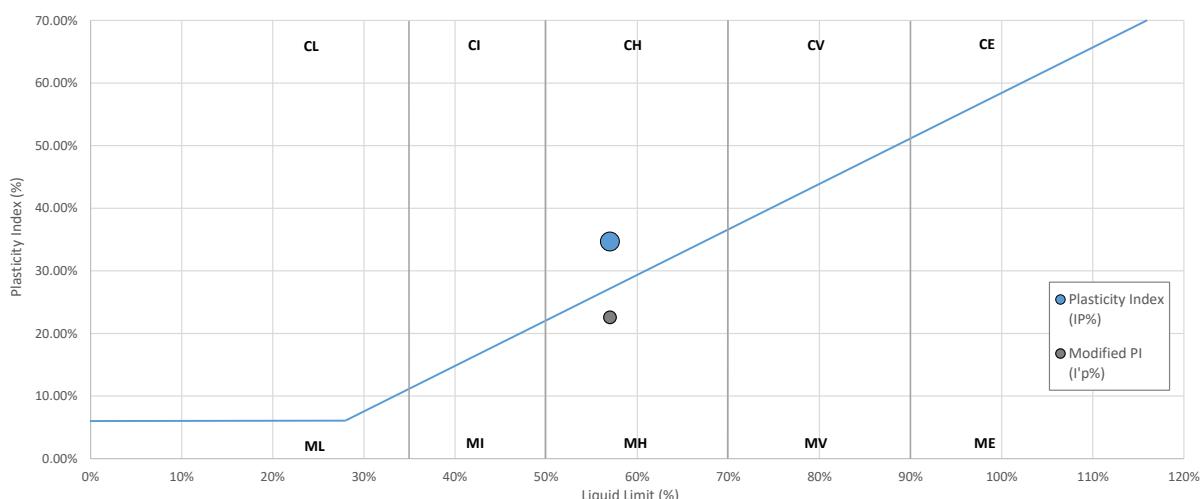
Consistency Index (Ipc)

0.81

Fall Cone Used:

30°-80 g cone

Remarks



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Test Procedure(s):

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Checked and Approved:

SFL (Senior Lab
Technician)**03/05/2024**



LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX

Testing performed in accordance with BS 17892-12: 2018: Clauses 5.3, 5.5, 6.5

Project No	SU2206150	
Project Name	143 The Greenway, Ickenham, Uxbridge	
Client	Crawford	
Sample Position & Depth:	BH2	2.00-2.50m
Test Date:	03/05/2024	
Sample Description:	Grey brown slightly sandy slightly gravelly CLAY. Gravel is fine coarse flint.	
Original Dried Mass (g):	336.76	
Natural Moisture Content (W%)	29%	
Liquid Limit (WL%)	68%	
Plastic Limit (WP%)	26%	
Plasticity Index (IP%)	42%	
Classification	CH	
Portion Retained on 425µm Sieve (%)	3%	
Modified Plasticity Index (factoring in the above) (l'p%)	40%	
Consistency Index (Ipc)	0.92	
Fall Cone Used:	30°-80 g cone	
Remarks		
Constructive Evaluation Ltd Units 15 & 16 Ford Lane Business Park, Ford Lane Arundel, West Sussex BN18 0UZ TEL: 01243 957063 E: info@celduk.com		Test Procedure(s): BS17892: Part 1: Clause 5.2 : 2014: Determination of water content by the oven drying method BS17892: Part 12: Clause 5.3 : 2018: Determination of the liquid limit by the fall cone method BS17892: Part 12: Clauses 5.5 & 6.5 : 2018: Determination of the plastic limit and plasticity index Checked and Approved: SFL (Senior Lab Technician) <i>Sam Lyne</i> 03/05/2024

**LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX**

Testing performed in accordance with BS 17892-12: 2018: Clauses 5.3, 5.5, 6.5

Project No

SU2206150

Project Name

143 The Greenway, Ickenham, Uxbridge
Crawford

Client

Sample Position & Depth:

BH2**3.00-3.50m**

Test Date:

03/05/2024

Sample Description:

Grey brown mottled grey CLAY. Occasional fine white crystals.

Original Dried Mass (g):

357.86

Natural Moisture Content (W%)

30%

Liquid Limit (WL%)

71%

Plastic Limit (WP%)

26%

Plasticity Index (IP%)

45%

Classification

CV

Portion Retained on 425µm Sieve (%)

7%

Modified Plasticity Index (factoring in the above) (l'p%)

42%

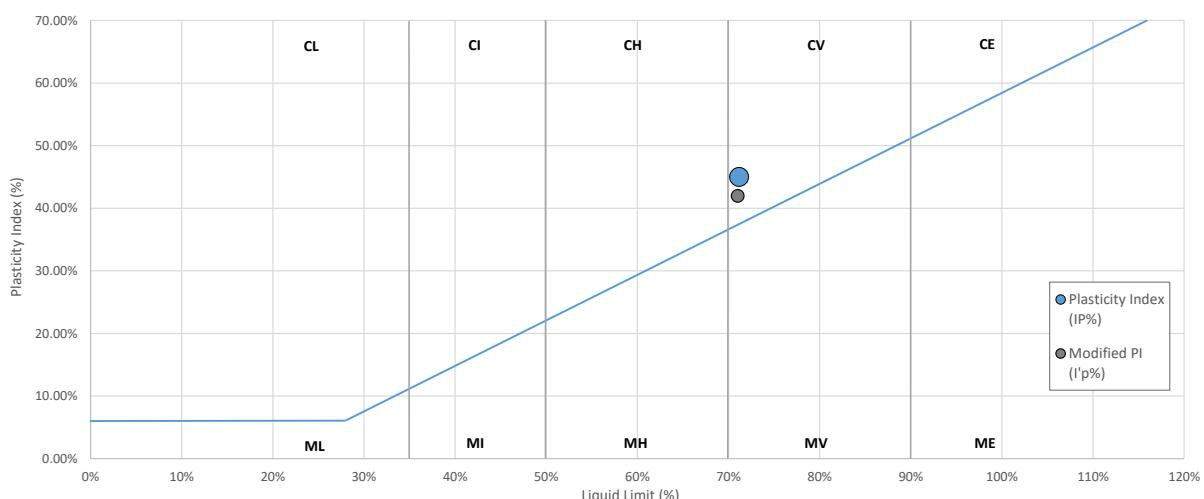
Consistency Index (Ipc)

0.91

Fall Cone Used:

30°-80 g cone

Remarks



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Checked and Approved:

SFL (Senior Lab
Technician)**03/05/2024**

Constructive Evaluation Ltd
Units 15 & 16 Ford Lane Business Park
Ford
Arundel
West Sussex
BN18 0UZ

Intec
Parc Menai, Bangor,
Gwynedd, North Wales
LL57 4FG
Tel: 01248 672652
Fax: 01248 672601

ROOT IDENTIFICATION

143 The Greenway

Client Reference: MSI.00256
Report Date: 25 April 2024
Our Ref: R57640

Sub Sample	Species Identified	Root Diameter	Starch
BH1:			
0.5m	<i>Quercus</i> spp.	1	2 mm Moderate
BH2:			
0.5m	<i>Pomoideae</i> gp.		4 mm Abundant
0.5m	<i>Quercus</i> spp.		1 mm Moderate
0.5m	<i>Clematis</i> spp.	2	1.5 mm Abundant

Comments:

1 - Plus 3 others also identified as *Quercus* spp.
2 - Plus 1 other also identified as *Clematis* spp.

Quercus spp. are oaks (both deciduous and evergreen).

Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.

Clematis spp. are common flowering, garden climbers.

Signed: R. Shaw

Unless we are otherwise instructed in writing, the above sample material will normally be disposed of 6 years after the date of this report.



INVESTOR IN PEOPLE

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