

Factual Site Investigation for Mr Toby Vanhegan.

Address: 18 Platt's Lane, London, NW3 7NS.

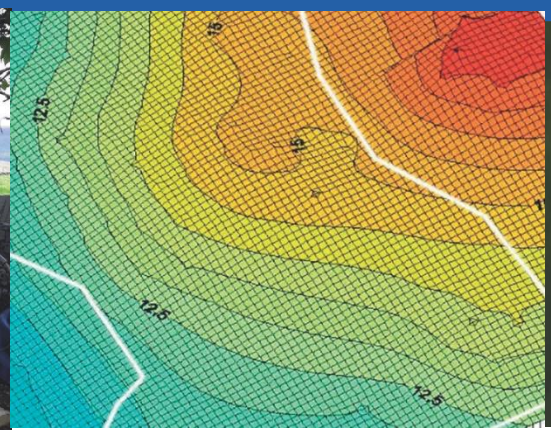
Date: 14th February 2025

Reference: ES0089

The CDS Group, Building 51, Wrest Park, Silsoe, Bedfordshire, MK45 4HS

W: www.thecdsgroup.co.uk

T: 01525 864387



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1 Introduction

Our authority for carrying out this work was given by way of an email instruction from Toby Vanhegan, dated 20th January 2025.

The CDS Group were requested to undertake a series of WLS boreholes, as part of the proposed construction.

This report is a factual report only and does not include interpretation of any data.

The approximate site location is shown below in Figures 1 and 2 and the approximate National Grid Reference for the centre of the site is 525312, 186104.

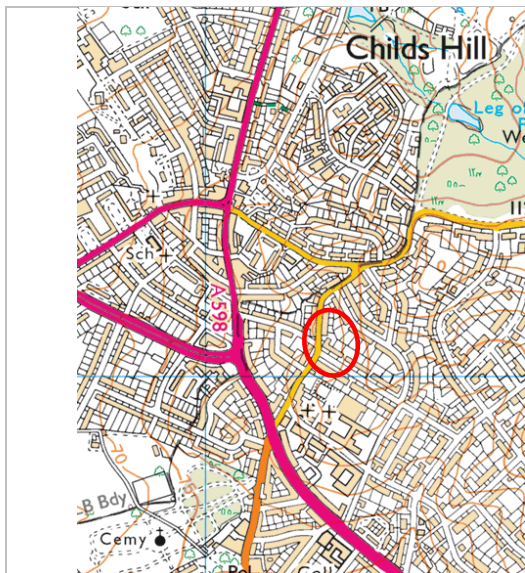


Figure 1. OS map of the site (boundary indicated in red)

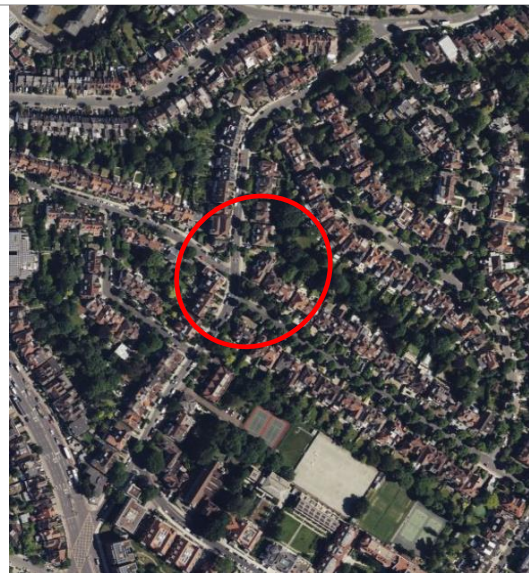


Figure 2. Aerial Image of the site (boundary indicated in red)

2 Scope

This factual report presents our exploratory hole logs and insitu test results along with geotechnical and chemical testing results only. No interpretation is given, and no groundwater monitoring was undertaken by CDS.

A formal desk study, wider geotechnical and interpretative contamination assessment were outside the requested scope of works. Soil waste characterisation also did not form part of our brief for this investigation.

As with any site there may be differences in soil conditions between exploratory hole positions.

The site investigation was conducted, and this report has been prepared for the sole internal use and reliance of Toby Vanhegan and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorization of The CDS Group.

If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

3 Site Assessment

3.1 Geology

The British Geological Survey Map indicates that the site geology consists of Claygate Member over the London Clay Formation,

The **Claygate Member** forms the upper part of the London Clay Formation and comprises dark grey clays with sand laminae, passing up into interbedded clays, silts and fine-grained sand, with beds of bioturbated silt. Ferruginous concretions and septarian nodules occur in places.

The **London Clay** mainly comprises blue-grey or grey-brown fissured clay and silty clay, which weathers to brown near the surface. It commonly contains thin courses of carbonate concretions ('cementstone nodules'), selenite crystals and disseminated pyrite. It also includes a few thin beds of shells and fine sand partings or pockets of sand, which commonly increase towards the base and towards the top of the formation.

4 Intrusive Investigation

4.1 Site Investigation

The fieldwork was undertaken on the 27th January 2025. In accordance with our original quotation, which was based on a specification provided to us by the clients engineers, the following work was undertaken:-

- 3 No. WLS boreholes to a maximum depth of 6m bgl
- Disturbed and environmental samples were collected at various depths.

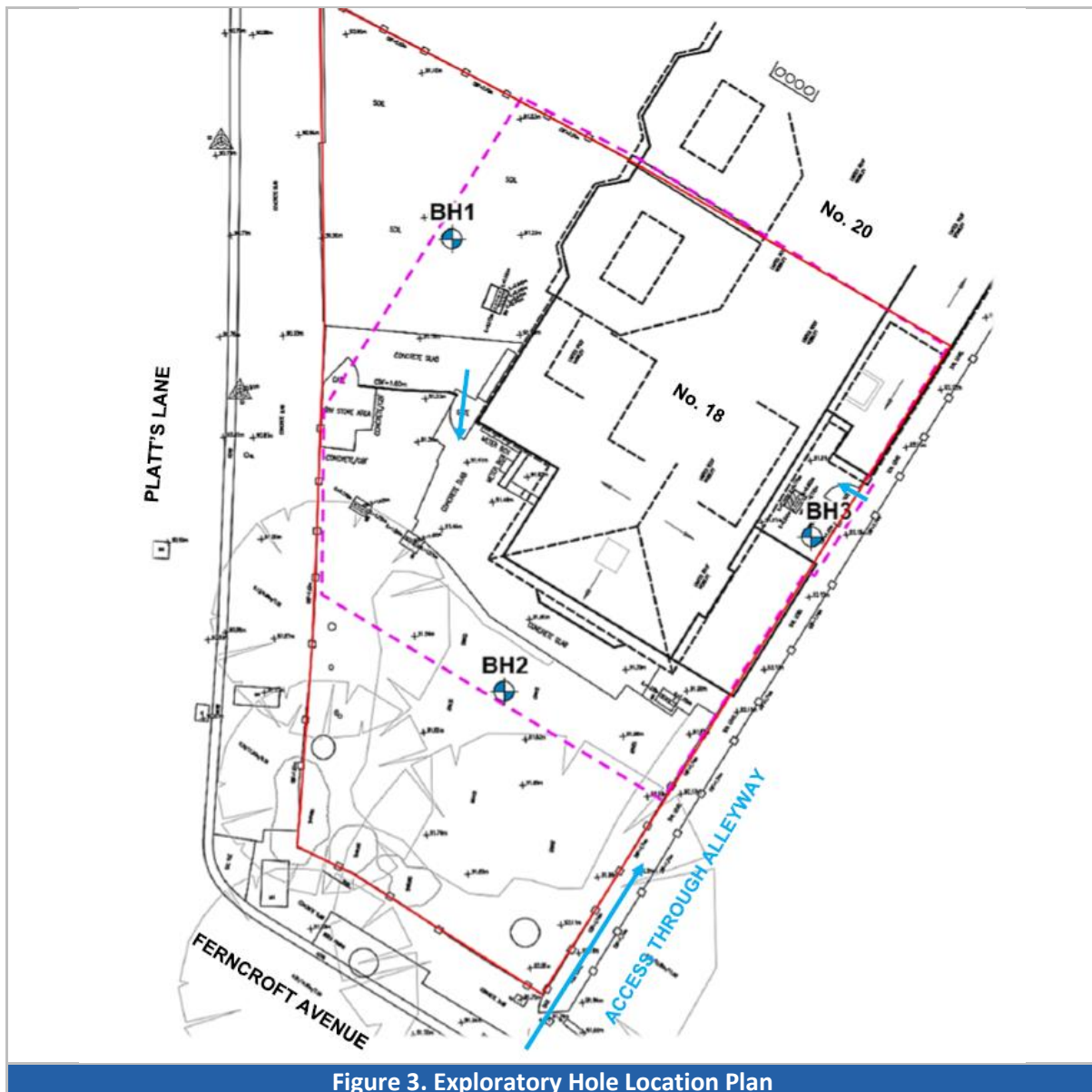


Figure 3. Exploratory Hole Location Plan

4.2 Soils as Found

The soils encountered are described in detail on the attached exploratory hole logs (Appendix A), but in general comprised variable made ground over natural CLAY soils.

4.3 Groundwater

Groundwater was recorded at 2.50m bgl in BH2 as a seepage.

5 Geotechnical Testing

The following tests were carried out on selected samples.

- Atterberg Limits

Test method references and results are given in Appendix D.

The laboratory testing was completed by K4 Soils Laboratory, 8, Olds Close, Old's Cl, Northwood, Watford WD18 9RU.

6 Contamination Testing

The following tests were carried out on selected samples.

- BRE SD1 Suite B (Greenfield with pyrite)

Test method references and results are given in Appendix C. The laboratory testing was completed by Eurofins Chemtest Ltd, Depot Road, Newmarket, Cambridge- UKAS testing laboratory number 2183.

7 Reporting Details

Report Author: Callum Ward BSc FGS

Date: 14th February 2025

APPENDIX A

Site Plan and Soil Logs

<div>CDS</div> <div>Environmental Solutions</div>		Project Name:		Windowless Sampler Borehole Log				Hole ID:	BH1		
		18 Platts Lane						Hole Type:	WLS		
		Project Location:						Level:	91.10		
		London NW3 7NS		Project ID:	ES0089		Logged By:				
		Client:		Contractor:	The CDS Group		Scale:	1:25			
		Mr Toby Vanhegan		Date:	27/01/2025		Page No:	Sheet 1 of 2			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					0.30	90.80		Surface covering of 10mm pea shingle over Black clayey TOPSOIL with brick fragments.			
								Firm becoming stiff orange-brown / grey mottled slightly sandy slightly gravelly silty CLAY. Gravels consist of fine to coarse sub-rounded flints			
	1.00	D									
	1.00	SPT	N=12 (3,2/3,3,3,3)								
	1.50	ES									
	2.00	D									
	2.00	SPT	N=8 (3,4/2,2,2,2)								
	2.30	ES									
	2.50	ES						Stiff orange-brown / grey mottled silty CLAY			
	3.00	D									
3.00	SPT	N=9 (2,2/2,2,2,3)									
3.50	ES										
4.00	D										
4.00	SPT	N=15 (3,3/3,4,4,4)									
4.10	ES										
4.50	ES						Stiff dark grey mottled silty CLAY				
5.00	D										
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
Remarks											
Dry upon completion											

<div>CDS</div> <div>Environmental Solutions</div>		Project Name:		Windowless Sampler Borehole Log				Hole ID:		BH1	
		18 Platts Lane						Hole Type:		WLS	
		Project Location:						Level:		91.10	
		London NW3 7NS		Project ID:		ES0089		Logged By:			
		Client:		Contractor:		The CDS Group		Scale:		1:25	
		Mr Toby Vanhegan		Date:		27/01/2025		Page No:		Sheet 2 of 2	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		5.00	SPT	N=18 (3,4/3,4,5,6)	6.45	84.65		Stiff dark grey mottled silty CLAY		6	
	5.50	ES									
	6.00	SPT	17 (3,5/5,6,6,)								
								End of Borehole at 6.450m		7	
										8	
										9	
										10	
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
Remarks											
Dry upon completion											

<div>CDS</div> <div>Environmental Solutions</div>		Project Name:		Windowless Sampler Borehole Log				Hole ID:	BH2		
		18 Platts Lane						Hole Type:	WLS		
		Project Location:						Level:	91.80		
		London NW3 7NS		Project ID:	ES0089		Logged By:				
		Client:		Contractor:	The CDS Group		Scale:	1:25			
		Mr Toby Vanhegan		Date:	27/01/2025		Page No:	Sheet 1 of 2			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.40			0.40	91.40		Brown / black clayey TOSPOIL with roots		1	
		1.00	ES SPT	N=13 (3,2/3,3,3,4)				Firm becoming stiff orange-brown / grey mottled slightly sandy slightly gravelly silty CLAY. Gravels consist of fine to coarse sub-rounded flints			
		1.00									
		1.50	D								
		2.00	ES SPT	N=10 (3,4/2,2,3,3)							
		2.00									
		2.50	D		2.50	89.30		Stiff orange-brown / grey mottled silty CLAY		3	
		3.00	ES SPT	N=8 (1,2/2,2,2,2)							
		3.00									
		3.50	D								
4.00	ES SPT	N=15 (4,3/3,4,4,4)									
4.00											
4.50	D		4.50	87.30		Stiff dark grey mottled silty CLAY		5			
5.00	ES										
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
Remarks											
Seepage at 2.50m bgl											

<div>CDS</div> <div>Environmental Solutions</div>		Project Name:		Windowless Sampler Borehole Log				Hole ID:	BH2		
		18 Platts Lane						Hole Type:	WLS		
		Project Location:						Level:	91.80		
		London NW3 7NS		Project ID:	ES0089		Logged By:				
		Client:		Contractor:	The CDS Group		Scale:	1:25			
		Mr Toby Vanhegan		Date:	27/01/2025		Page No:	Sheet 2 of 2			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		5.00	SPT	N=18 (3,4/3,4,5,6)	6.45	85.35		Stiff dark grey mottled silty CLAY		6	
	5.50	D									
	6.00	SPT	N=22 (3,5/5,5,6,6)								
								End of Borehole at 6.450m		7	
										8	
										9	
										10	
Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
Remarks											
Seepage at 2.50m bgl											

<div>CDS</div> <div>Environmental Solutions</div>		Project Name:		Windowless Sampler Borehole Log				Hole ID:		BH3	
		18 Platts Lane						Hole Type:		WLS	
		Project Location:						Level:		91.90	
		London NW3 7NS		Project ID:		ES0089		Logged By:			
		Client:		Contractor:		The CDS Group		Scale:		1:25	
		Mr Toby Vanhegan		Date:		27/01/2025		Page No:		Sheet 1 of 1	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		1.00 1.00	D SPT	N=12 (2,2/3,3,3,3)	0.05	91.85		Concrete	<div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div>		
					0.30	91.60		MADE GROUND comprising of crushed concrete and orange-brown SAND			
		0.80	91.10	MADE GROUND comprising dirty brown gravelly sandy CLAY with half and whole bricks, concrete fragments and burnt charcoal.							
		1.50	ES							Firm orange-brown / grey mottled slightly sandy silty CLAY	
		2.00	SPT	N=12 (3,3/2,3,3,4)						Subrounded fine to coarse flint gravels.	
		2.20	D								
		3.00									End of Borehole at 3.000m
		Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation	
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
Remarks										<div>AGS</div>	
25mm lead water pipe at 0.7m bgl. Borehole terminated to enact repair.											

APPENDIX B

CHEMICAL TEST RESULTS



Amended Report

Report No.:	25-03193-2		
Initial Date of Issue:	11-Feb-2025	Date of Re-Issue:	11-Feb-2025
Re-Issue Details:	This report has been revised and directly supersedes 25-03193-1 in its entirety		
Client	CDS Group		
Client Address:	Building 51 Wrest Park Silsoe Bedfordshire MK45 4HS		
Contact(s):	Callum Ward		
Project	18 Platts Lane, London		
Quotation No.:	Q21-24415	Date Received:	30-Jan-2025
Order No.:		Date Instructed:	30-Jan-2025
No. of Samples:	9		
Turnaround (Wkdays):	5	Results Due:	05-Feb-2025
Date Approved:	11-Feb-2025		

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 18 Platts Lane, London

Client: CDS Group		Chemtest Job No.:					25-03193	25-03193	25-03193	25-03193	25-03193	25-03193	25-03193	25-03193
Quotation No.: Q21-24415		Chemtest Sample ID.:					1925003	1925004	1925005	1925006	1925007	1925008	1925009	1925010
		Sample Location:					BH1	BH1	BH1	BH1	BH2	BH2	BH2	BH3
		Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):					1.50	2.50	3.50	4.50	1.00	2.00	3.00	5.00
		Date Sampled:					27-Jan-2025	27-Jan-2025	27-Jan-2025	27-Jan-2025	27-Jan-2025	27-Jan-2025	27-Jan-2025	27-Jan-2025
Determinand	HWOL Code	Accred.	SOP	Units	LOD									
Moisture		N	2030	%	0.020	16	17	19	16	18	15	18	16	17
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	None	None	None	None	Stones and Roots	None	None	None	None
Soil Texture		N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay
pH (2.5:1) at 20C		N	2010		4.0	8.0	7.8	7.6	8.3	8.2	8.1	8.1	8.4	8.1
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	< 0.010	< 0.010	< 0.010	0.064	0.019	0.047	< 0.010	0.037	< 0.010
Total Sulphur		U	2175	%	0.010	0.010	0.040	0.010	0.37	0.020	0.020	0.010	0.50	0.010
Sulphate (Acid Soluble)		U	2430	%	0.010	0.020	0.079	< 0.010	0.016	0.045	0.045	0.010	0.027	< 0.010

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL

DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

Report Information

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up


HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total


If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

APPENDIX C

GEOTECHNICAL TEST RESULTS

					Summary of Water Content, Liquid Limit (1 point) and Plastic Limit Results							
Job No.		Project Name						Programme				
36681		18 Platts Lane, London						Samples received		27/01/2025		
Project No.		Client						Schedule received		29/01/2025		
ES0089		CDS						Project started		29/01/2025		
								Testing Started		11/02/2025		
Hole No.	Sample				Soil Description	Water content %	Passing 425µm %	Preparation	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type								
BH1	-	2.00	-	D	Orangish brown slightly mottled bluish grey slightly sandy silty CLAY	21.8	100	Tested in natural condition	40	19	21	
BH1	-	3.00	-	D	Orangish brown slightly mottled bluish grey slightly sandy silty CLAY	24.0	100	Tested in natural condition	44	22	22	
BH1	-	4.00	-	D	Dark grey slightly sandy silty CLAY	24.2	100	Tested in natural condition	50	23	27	
BH2	-	1.50	-	D	Orangish brown slightly mottled grey and dark grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	16.5	97	Tested after >425µm removed by hand	48	20	28	
BH2	-	2.50	-	D	Orangish brown slightly mottled bluish grey slightly sandy slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	22.5	97	Tested after >425µm removed by hand	44	25	19	
BH2	-	3.50	-	D	Orangish brown slightly mottled grey sandy silty CLAY	25.2	100	Tested in natural condition	38	20	18	
BH2	-	5.50	-	D	Dark grey slightly sandy silty CLAY	23.4	100	Tested in natural condition	52	23	29	
BH3	-	1.00	-	D	Orangish brown slightly mottled grey slightly gravelly slightly sandy silty CLAY (gravel is fm and sub-angular to rounded)	23.0	96	Tested after >425µm removed by hand	42	18	24	
BH3	-	2.20	-	D	Brown mottled grey and orangish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular)	15.9	42	Tested after washing to remove >425µm	44	18	26	

80g/300 cone used unless otherwise stated, Correlation factor for 1 point method carried out using Table 1 (BS1377: 1990, Part 2)

	Test Methods: BS EN ISO 17892 Part 1: 2014+A1:2022 Water content Part 12: 2018 +A2:2022 Liquid & plastic limit <i>These results only apply to the items tested</i> NOTE: The report shall not be reproduced except in full without authority of the laboratory	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 14/02/2025
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(b)
	2519		



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH1

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089 Client CDS

Depth Top m 2.00

Soil Description Orangish brown slightly mottled bluish grey slightly sandy silty CLAY

Depth Base m -

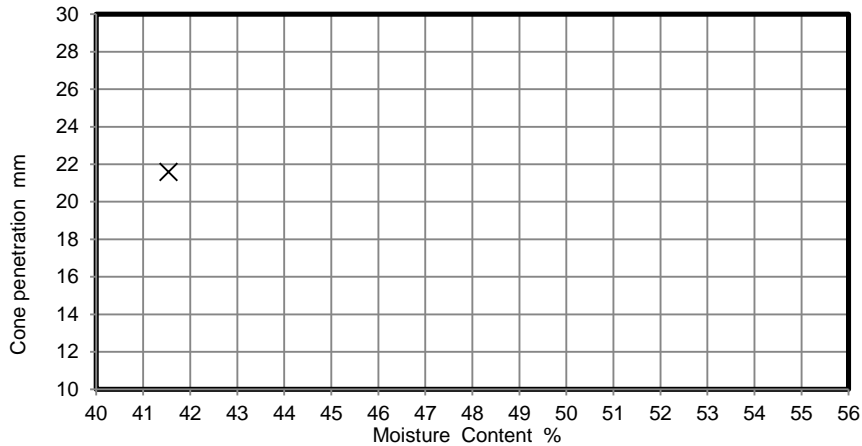
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT	21.8	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	40	%
PLASTIC LIMIT	19	%
PLASTICITY INDEX	21	%

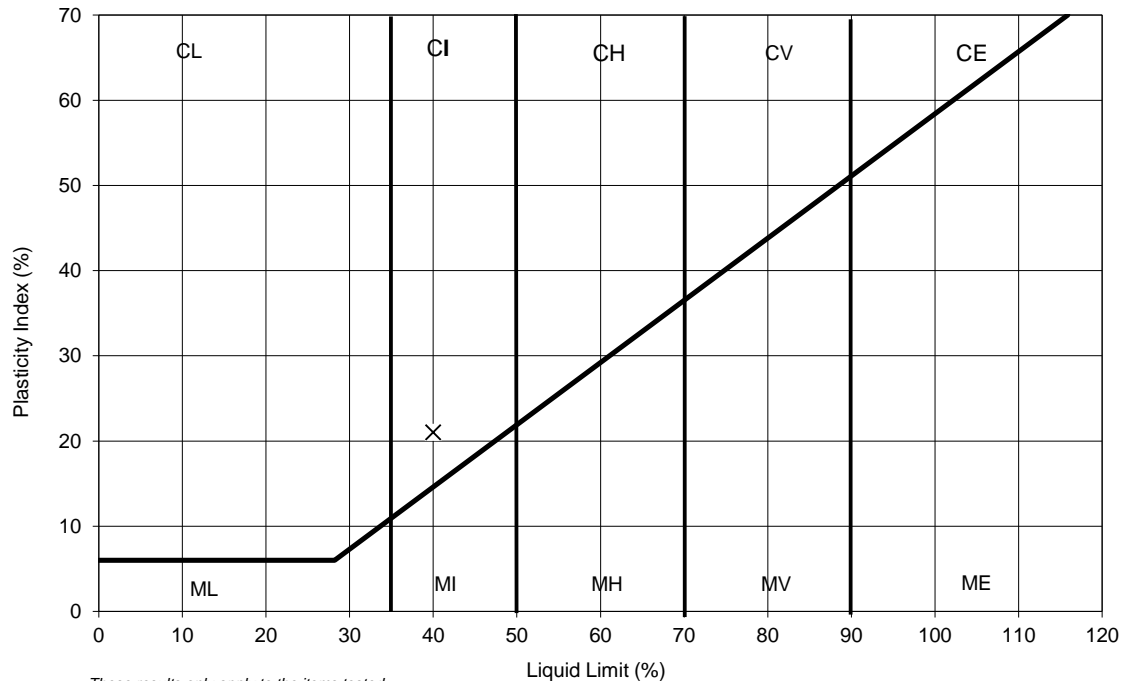
Preparation Method

Tested in natural condition

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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

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

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

Checked and Approved

Initials: J.P

Date: 14/02/2025

MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH1

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089 Client CDS

Depth Top m 3.00

Soil Description Orangish brown slightly mottled bluish grey slightly sandy silty CLAY

Depth Base m -

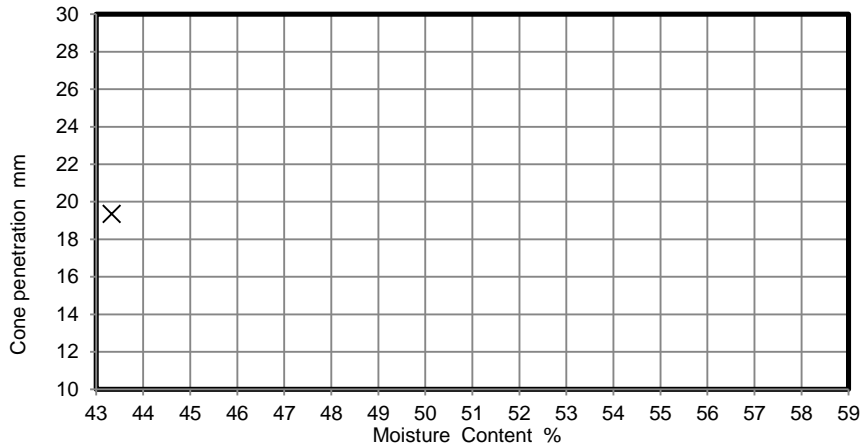
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT	24.0	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	44	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	22	%

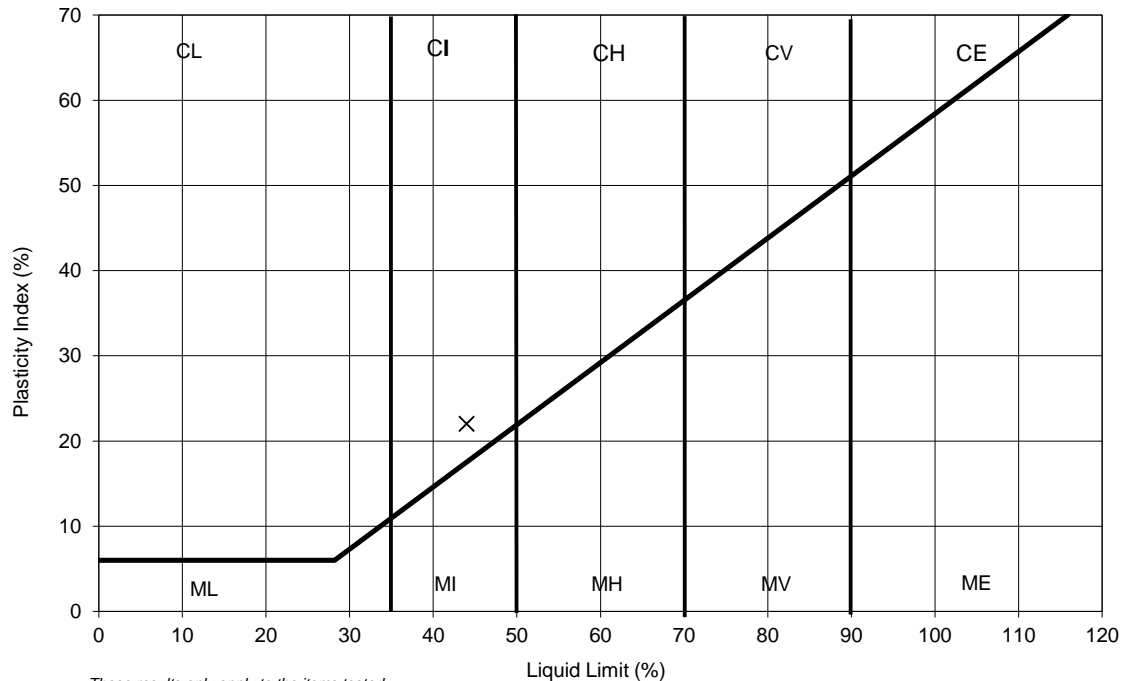
Preparation Method

Tested in natural condition

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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

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

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

Checked and Approved

Initials: J.P

Date: 14/02/2025

MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH1

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089 Client CDS

Depth Top m 4.00

Soil Description Dark grey slightly sandy silty CLAY

Depth Base m -

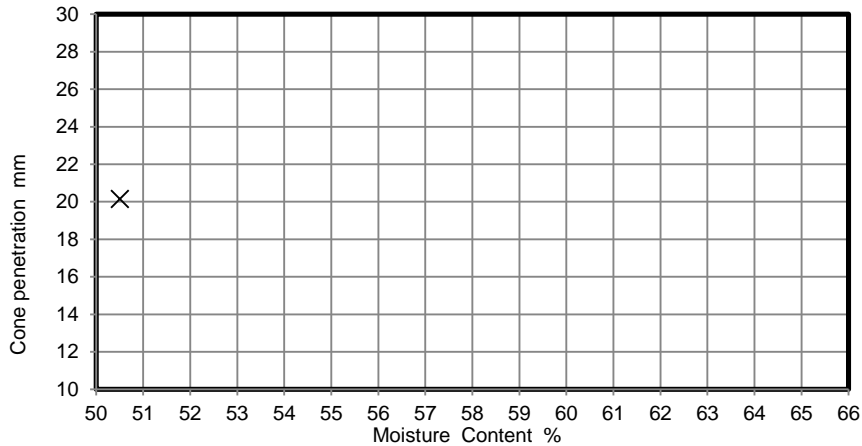
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT	24.2	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	50	%
PLASTIC LIMIT	23	%
PLASTICITY INDEX	27	%

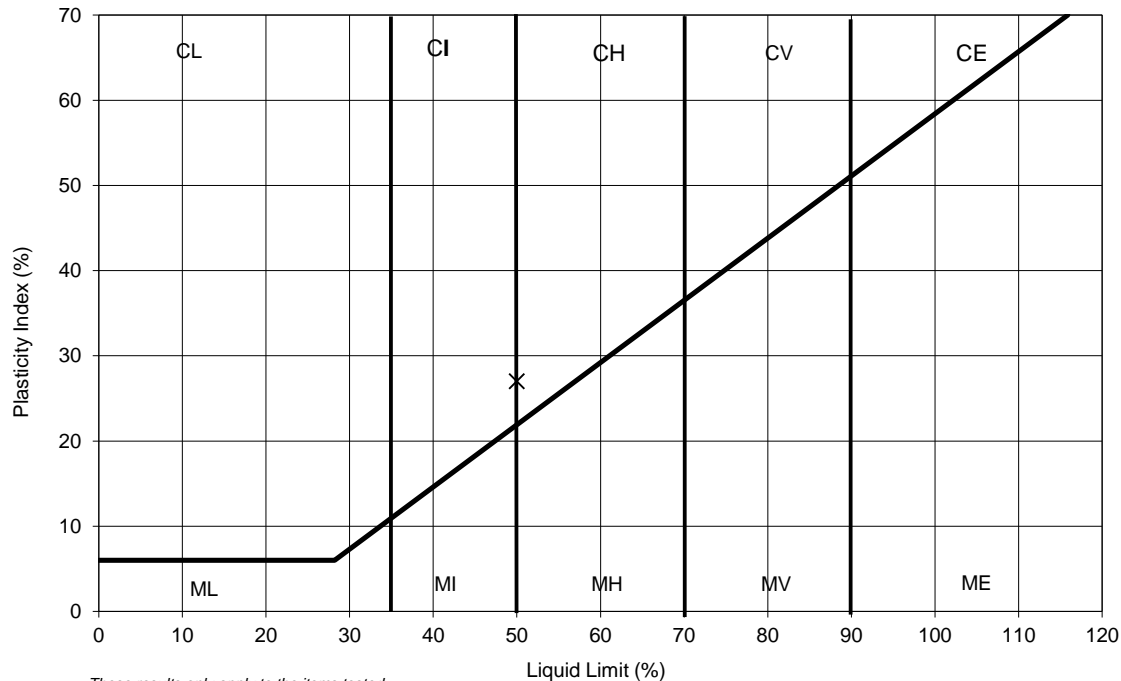
Preparation Method

Tested in natural condition

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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

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MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH2

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089

Client

CDS

Depth Top m 1.50

Soil Description

Orangish brown slightly mottled grey and dark grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)

Depth Base m -

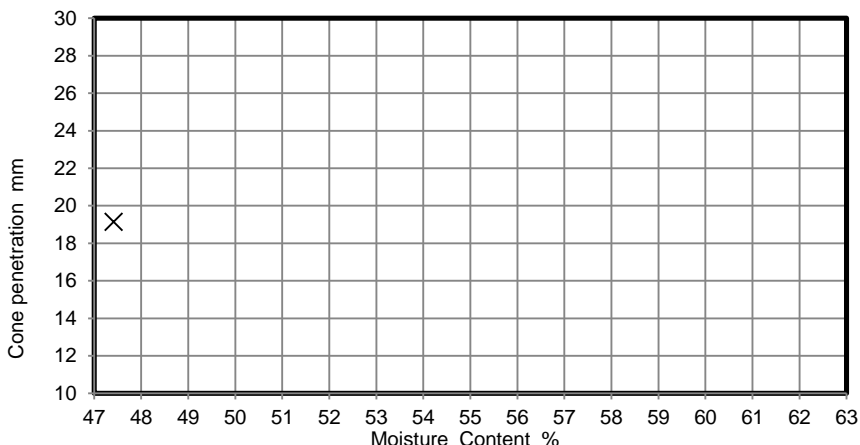
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT

16.5

%

% PASSING 425µm SIEVE

97

%

LIQUID LIMIT

48

%

PLASTIC LIMIT

20

%

PLASTICITY INDEX

28

%

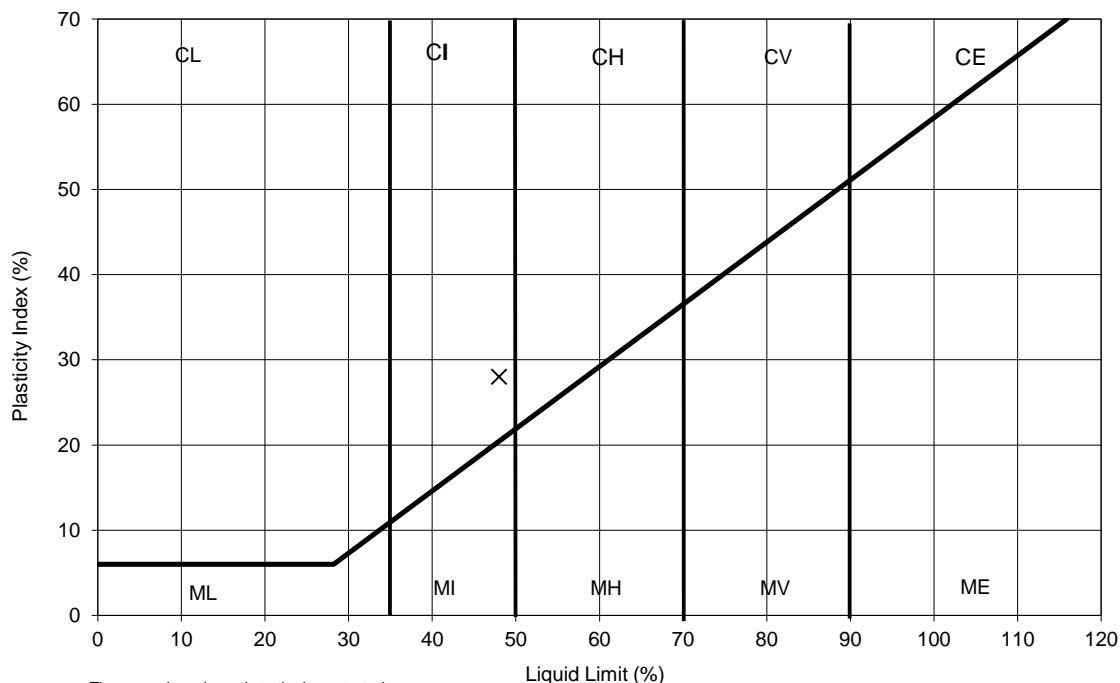
Preparation Method

Tested after >425µm removed by hand

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH2

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089

Client

CDS

Depth Top m 2.50

Soil Description

Orangish brown slightly mottled bluish grey slightly sandy slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)

Depth Base m -

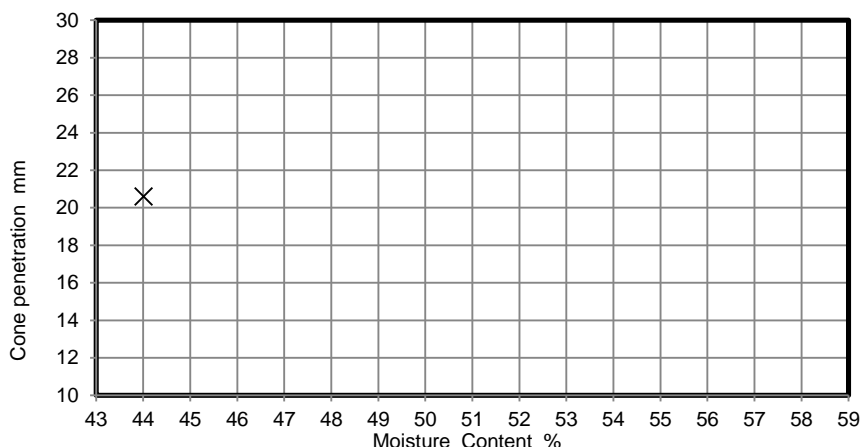
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT

22.5

%

% PASSING 425µm SIEVE

97

%

LIQUID LIMIT

44

%

PLASTIC LIMIT

25

%

PLASTICITY INDEX

19

%

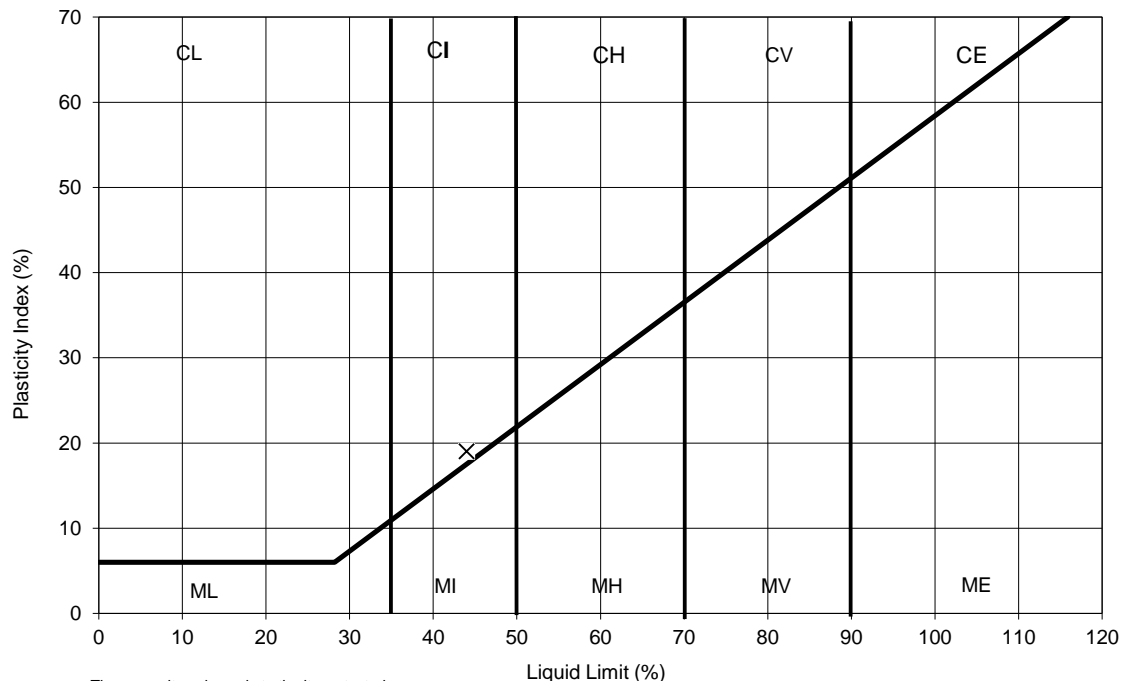
Preparation Method

Tested after >425µm removed by hand

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH2

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089

Client

CDS

Depth Top m 3.50

Soil Description

Orangish brown slightly mottled grey sandy silty CLAY

Depth Base m -

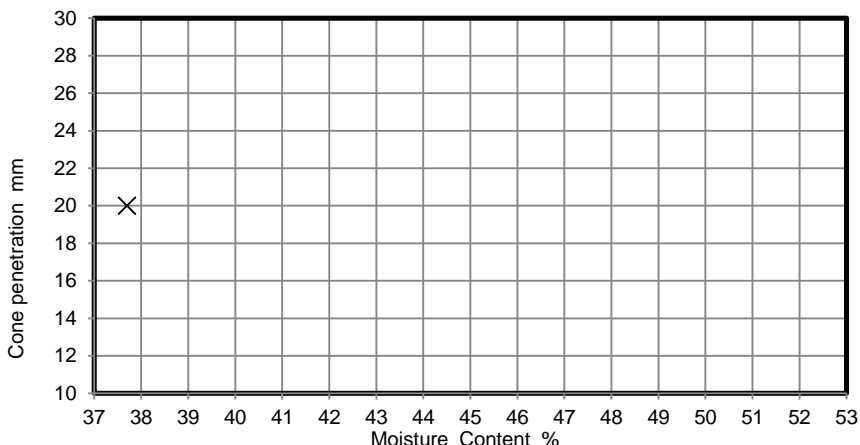
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT

25.2

%

% PASSING 425µm SIEVE

100

%

LIQUID LIMIT

38

%

PLASTIC LIMIT

20

%

PLASTICITY INDEX

18

%

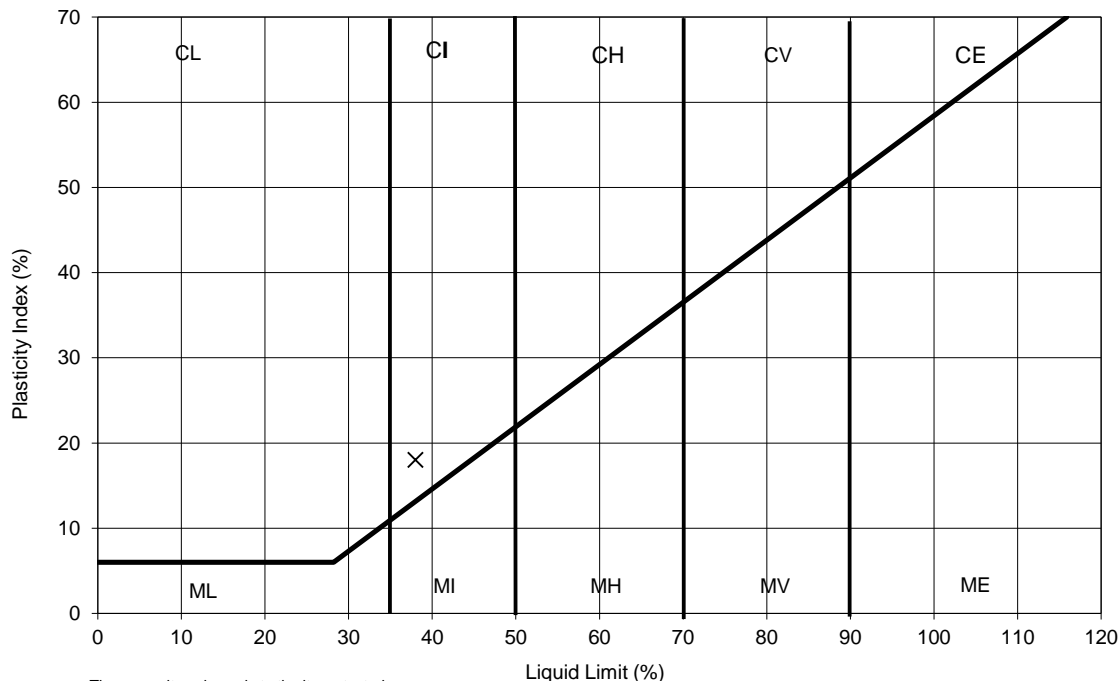
Preparation Method

Tested in natural condition

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH2

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089

Client

CDS

Depth Top m 5.50

Soil Description

Dark grey slightly sandy silty CLAY

Depth Base m -

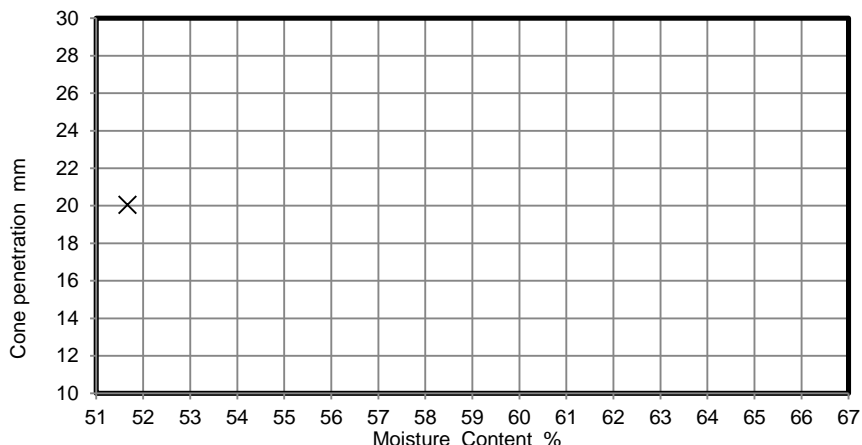
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT 23.4 %

% PASSING 425µm SIEVE 100 %

LIQUID LIMIT 52 %

PLASTIC LIMIT 23 %

PLASTICITY INDEX 29 %

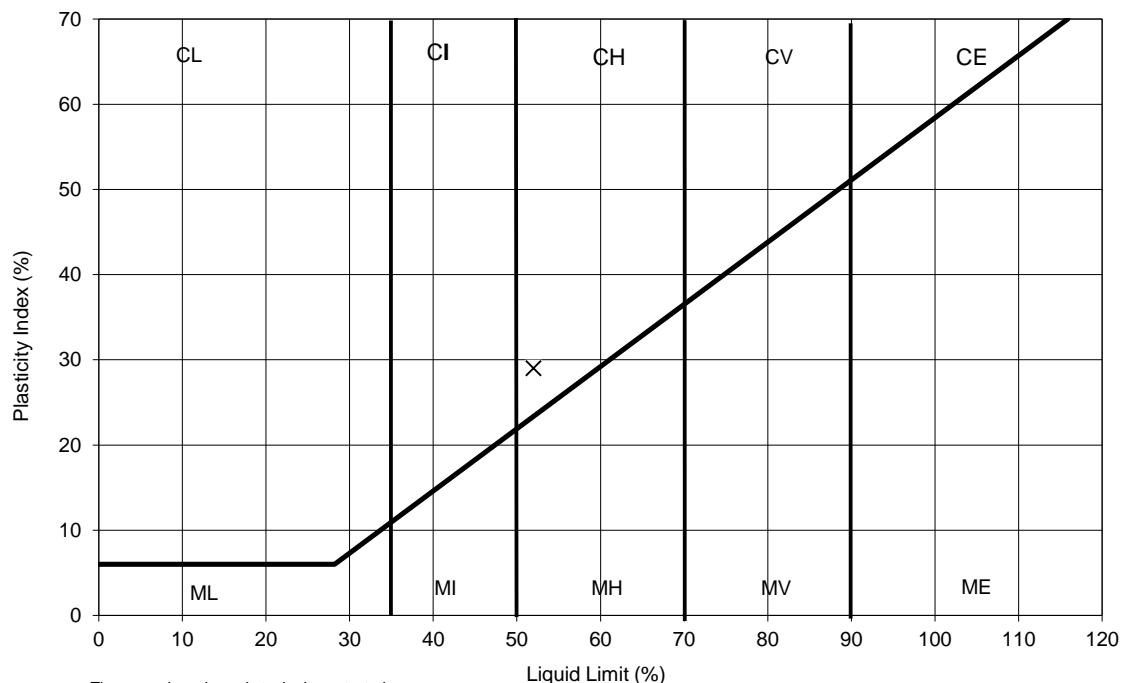
Preparation Method

Tested in natural condition

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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MSF-5 R2

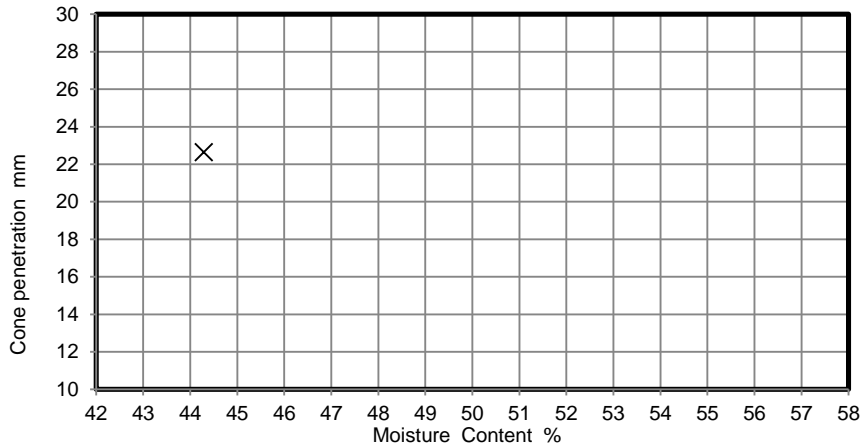


2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	36681		
	Borehole/Pit No.		
Site Name	18 Platts Lane, London		
Project No.	ES0089	Client	CDS
Soil Description	Orangish brown slightly mottled grey slightly gravelly slightly sandy silty CLAY (gravel is fm and sub-angular to rounded)		



WATER CONTENT	23.0	%
% PASSING 425µm SIEVE	96	%
LIQUID LIMIT	42	%
PLASTIC LIMIT	18	%
PLASTICITY INDEX	24	%

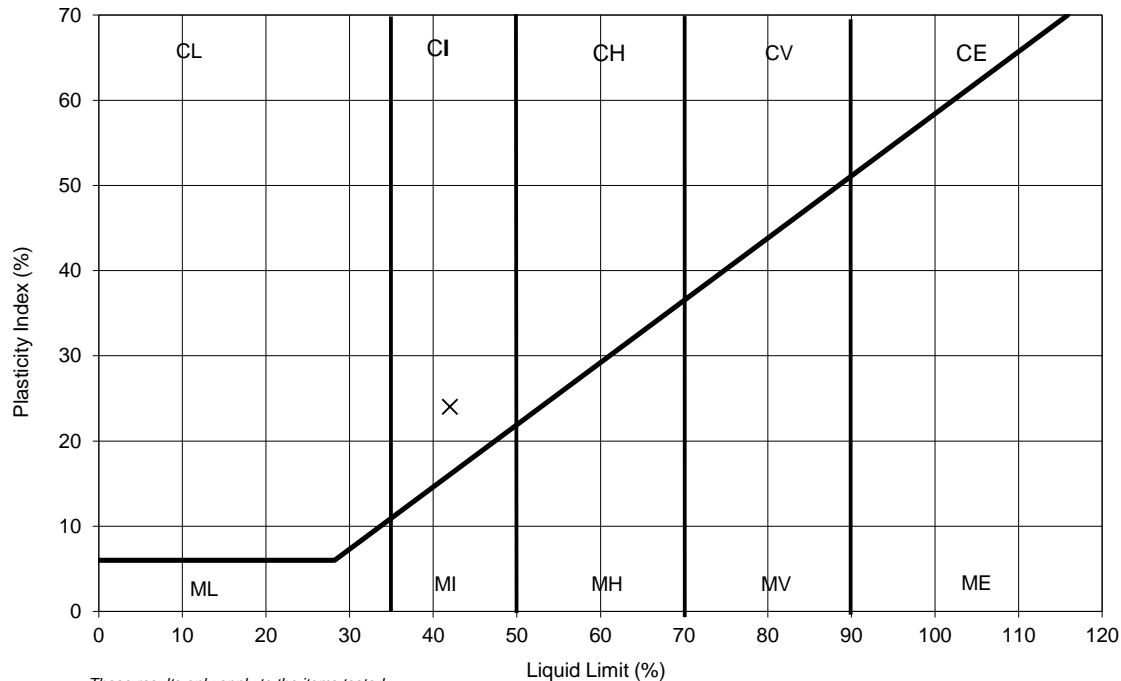
Preparation Method

Tested after >425µm removed by hand

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
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MSF-5 R2



2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No. 36681

Borehole/Pit No. BH3

Site Name 18 Platts Lane, London

Sample No. -

Project No. ES0089

Client

CDS

Depth Top m 2.20

Soil Description

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

Depth Base m -

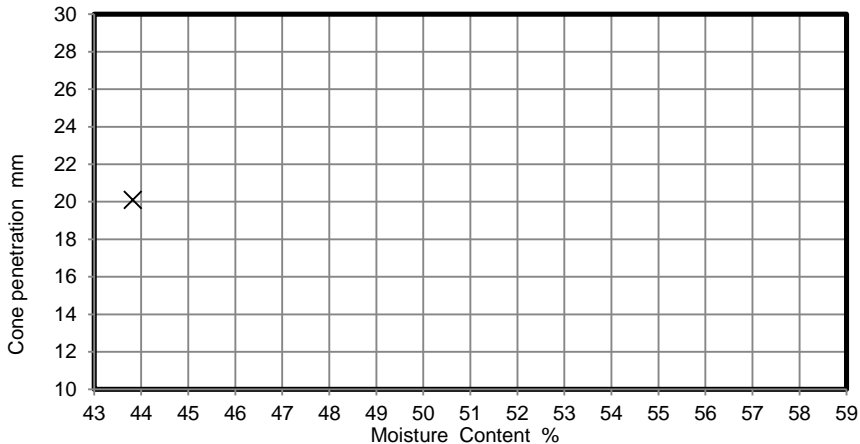
Sample Type D

Samples received 27/01/2025

Schedules received 29/01/2025

Project Started 29/01/2025

Date Tested 11/02/2025



WATER CONTENT

15.9

%

% PASSING 425µm SIEVE

42

%

LIQUID LIMIT

44

%

PLASTIC LIMIT

18

%

PLASTICITY INDEX

26

%

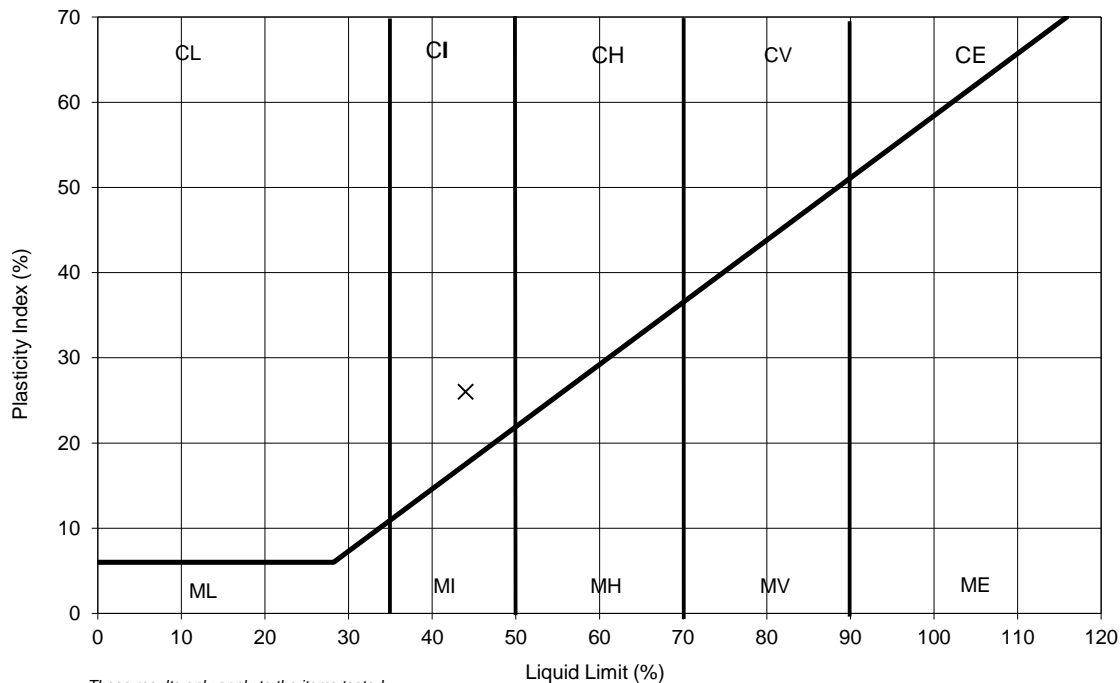
Preparation Method

Tested after washing to remove >425µm

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

BS EN ISO17892: Part 1:2014+A1:2022 Water Content

BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

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MSF-5 R2



2519