PROPERTY ASSURANCE
Giving our all

SITE INVESTIGATION
FACTUAL REPORT

Report No:	SI-770914
Client:	Sedgwick International UK - Morley
Site:	22 Wieland Road Hillingdon
Client Ref:	10041641
Date of Visit:	6/12/2023

ISO 9001 REGISTERED FIRM | ISO 14001 REGISTERED FIRM | OHSAS 18001 REGISTERED FIRM | Link-up Qualified via Audit | SAFEcontractor APPROVED | CHAS Accredited Contractor www.chas.gov.uk | constructionline

Unit E2 First Floor Suite, Boundary Court
Willow Farm Business Park, Castle Donington
Leicestershire, DE74 2NN

☎ 0843 2272362
✉ enquiries@cet-uk.com
💻 www.cet-uk.com

Investigation Layout Plan

Sheet: 1 of 1

Job No: 770914

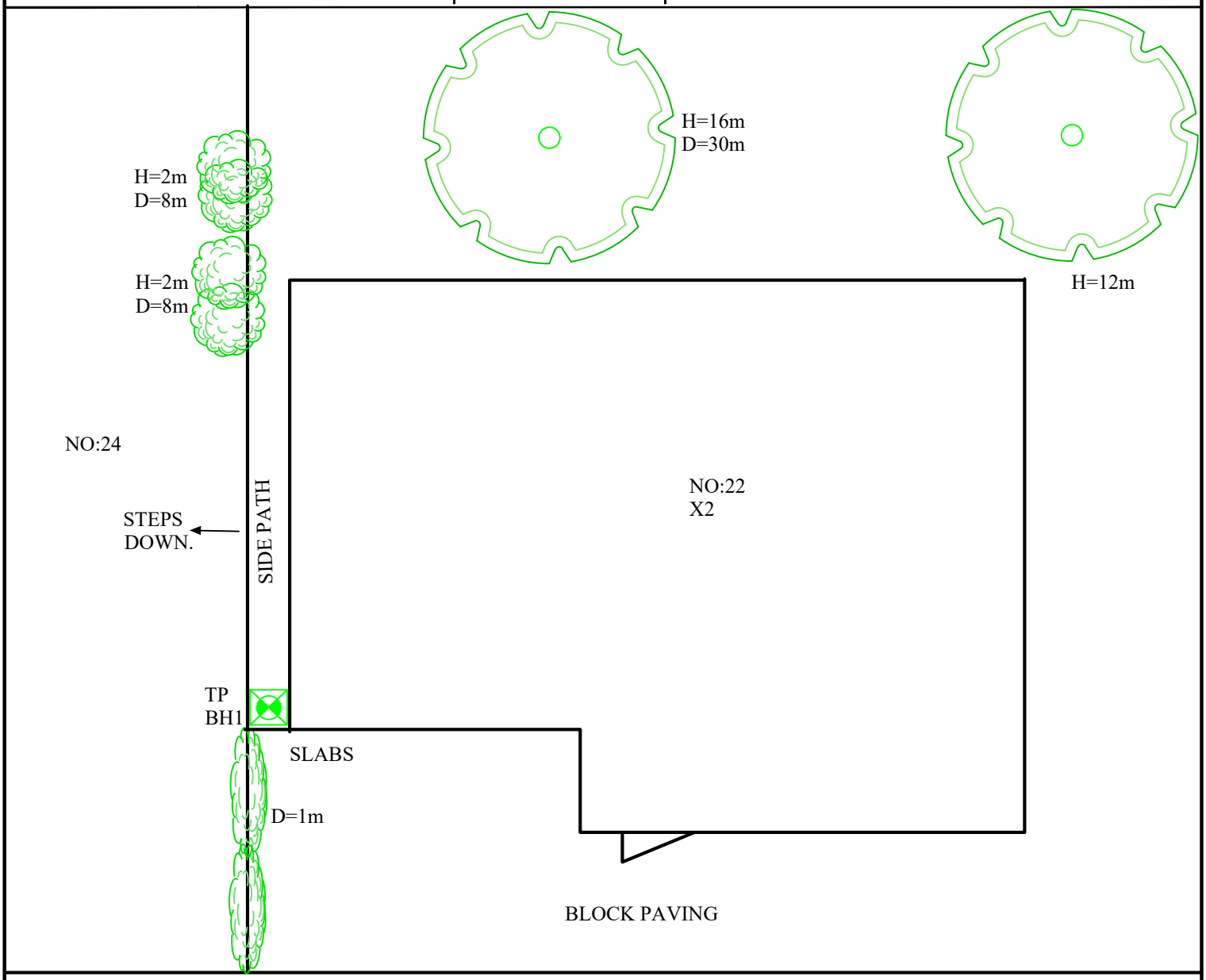
Date: 06/12/23

Site: 22 Wieland Road

Work carried out for: Sedgwick International UK

SM (SI) | SL (Checked) | EM (Drawn)

Weather: Dry



Wieland Road

ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

Remarks:

Scale: N.T.S.

Key:

Combined Gulley	RWWG
Manhole	MH
Rain Water Pipe	RWP
Rain Water Gulley	RWG
Soil Vent Pipe	SVP
Waste Gulley	WG
Waste Pipe	WP

Surface Water Drain

Foul Water Drain

Tree / Bush (approx. ht in m)

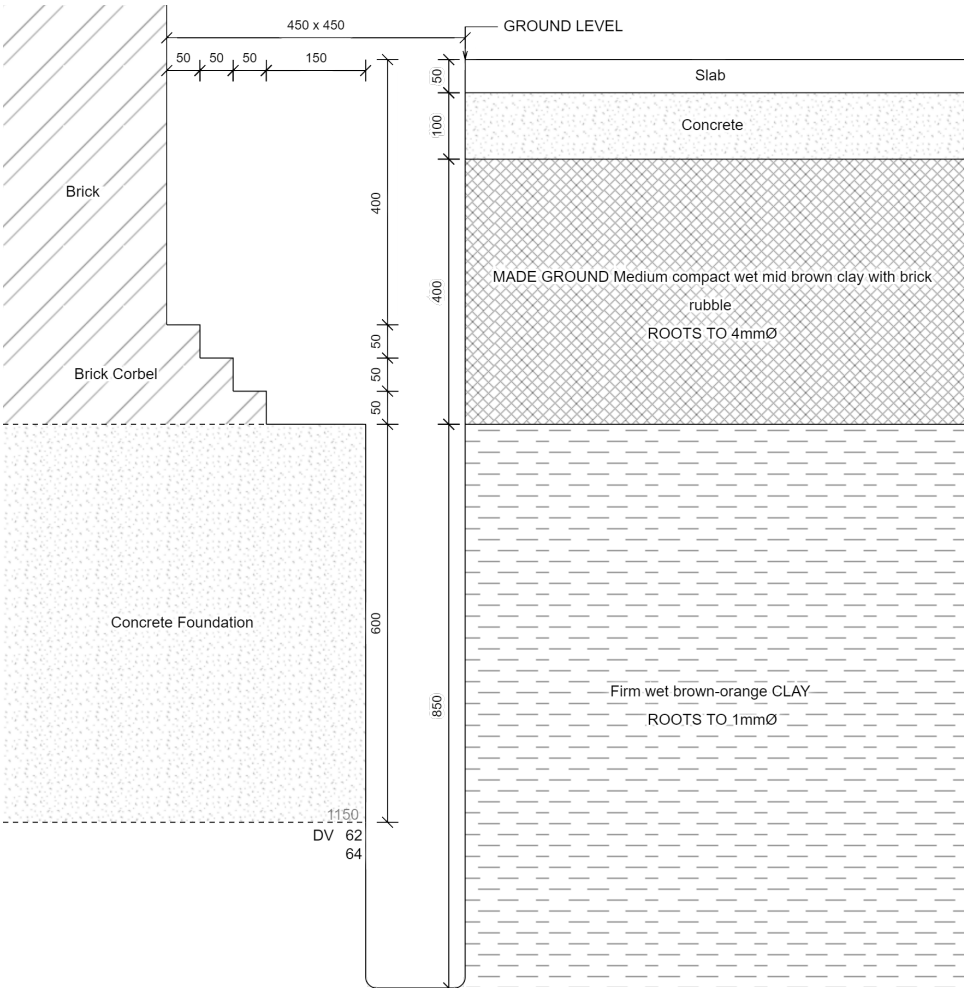
Trial Pit

Borehole

O/D - Open Discharge

TEST REPORT:	**Trial Pit**
REPORT NUMBER:	C1083989 / 280253.1.1.1
TRIAL PIT REF:	TP1
CLIENT:	Sedgwick International UK
JOB NO:	770914
EXCAVATION METHOD:	Hand tools

DATE:	06/12/2023
SITE:	22 Wieland Road Northwood
WEATHER:	Dry



For Strata below 1400mm see Bore Hole log

Standing water level at 450mm on completion of TP.

Key:

D	Small disturbed sample	J	Jar sample
B	Bulk disturbed sample	V	Pilcon vane (kPa)
W	Water sample	M	Mackintosh probe
TDTD	Too dense to drive		

Remarks:
Test results reported relate only to the items tested.
This report shall not be reproduced except in full without approval of the Laboratory.
The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

For and on behalf of CTS
Adam Mason - Quality Control

Approved Signatory
Report date 06-Dec-23

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Mountnessing Road
Billericay
Essex CM12 0TS

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enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk
END OF REPORT

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Borehole 1

Sheet:	1 of 1	Site:	22 WIELAND ROAD		
Job No:	770914				
Date:	06/12/2023				
Boring Method:	Hand Auger	Ground Level:		Client:	SEDGWICK INTERNATIONAL UK
Diameter (mm):	75	Weather:	Dry		

Depth (m)	Soil Description	Thickness	Legend	Samples and Tests Depth	Type	Result
0.00	See Trial Pit	1.40				
1.40	Stiff brown-orange CLAY	1.10		1.50	DV	86
						86
				2.00	DV	110
						118
2.50	Stiff dark brown CLAY	0.30		2.50	DV	132
						138
2.80	Very stiff dark brown CLAY	1.00		3.00	DV	140+
						140+
				3.50	DV	140+
						140+
3.80	End of BH					

Remarks:
BH ends at 3.8m, unable to extract samples through standing water. BH open with standing water level at 450mm on completion, no roots observed below 2.0m

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots	2.00	1
J - Jar Sample	Roots		
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)	0.45	

TDTD - Too Dense To Drive

Logged:	SM	AM	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

SITE INVESTIGATION
LABORATORY TEST REPORT

SI REPORT NUMBER: 770914

CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:
22 Wieland Road
Northwood
Hillingdon
HA6 3QU

DATE OF SITE VISIT:
06/12/2023

DATE RECEIVED BY LABORATORY:
08/12/2023

Approved by : .....M.Duffield.....
M Duffield - Operations Manager

DATE REPORTED: 18-Dec-2023

The testing on this report has been subcontracted, see Summary for testing Laboratory details

Our Ref : 770914

Laboratory Summary Results

Date Sampled: 06/12/2023

Location : 22 Wieland Road

Date Received : 08/12/2023

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 11/12/2023

Address: CET, Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, DE74 2NN

Date of Report : 18/12/2023

Sample Ref		Type	# Moisture Content	# Soil Fraction > 0.425mm	# Liquid Limit	# Plastic Limit	~ Plasticity Index	~ Liquidity * Index	~ Modified * Plasticity Index	~ Soil * Class	# Filter Paper Contact Time	# Soil Sample Suction	# Oedometer Strain	~ Estimated * Heave Potential (Dd)	In situ * Shear Vane Strength	Organic * Content	pH Value	Sulphate Content		* Class
TP/BH No	Depth (m)		(%) *[1]*	(%) *[2]*	(%) *[3]*	(%) *[4]*	(%) *[5]*	*[5]*	(%) [6]	*[7]*	(d)	(kPa) [8]	*[9]*	*(mm)[10]*	(kPa) *[11]*	(%)*[12]*	*[13]*	SO_3 (g/l) * *[14]*	SO_4 (mg/l) *[15]*	*[16]*
1	U/S 1.15	D	43	<5	71	29	42	0.32	42	CV	7	21.4			64					
	1.5	D	40	<5											86					
	2.0	D	41	<5	70	29	41	0.30	41	CV	7	149			110					
	2.5	D	36	<5											136					
	3.0	D	34	<5	72	29	43	0.11	43	CV	7	304			> 140					
	3.5	D	39	<5							7	100			> 140					

Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2

[2] Estimated if <5%, otherwise measured

[3] BS 1377 : Part 2 : 1990, Test No 4.4

[4] BS 1377 : Part 2 : 1990, Test No 5.3

[5] BS 1377 : Part 2 : 1990, Test No 5.4

[6] BRE Digest 240 : 1993

[7] BS 5930 : 2018 : Figure 8 - Plasticity Chart for the classification of fines soils

[8] Building Research Establishment Information Paper 4/93

[9] In Accordance with BS 1377-5 : 1990 : Clause 3

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CTS using a Pilcon hand vane or Geonor vane (GV).

[12] BS 1377 : Part 3 : 2018 + A1 2021 Clause 4 - *Tested By CTS Leicester*

[13] BS 1377 : Part 3 : 2018 + A1 2021 Clause 12 - *Tested By CTS Leicester*

[14] Sulphate content as SO3 as required by BS 1377: Part 3: 1990 has been provided for information purposes - *Tested By CTS Leicester*

[15] BS 1377 : Part 3 : 2018 + A1 2021 Clause 7.6 - Tested By CTS Leicester

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005 Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be prudent to consider the sample as falling into the DS-4M or DS-5M class respectively unless water soluble magnesium testing is undertaken to prove otherwise.

PSD Chart - BS 1377: Part 2 : 1990, Test No 9.2

Key

D	Disturbed sample (small)
B	Disturbed sample (bulk)
U	Undisturbed sample
W	Groundwater sample
ENP	Essentially Non-Plastic by inspection
U/S	Underside of Foundation

~ Calculations performed using subcontracted data.

* These tests are not UKAS accredited

 # These tests have been subcontracted and carried out by PSL (Part of the Phenna Group)

Full reports can be provided upon request.

Test results reported relate only to the items tested.

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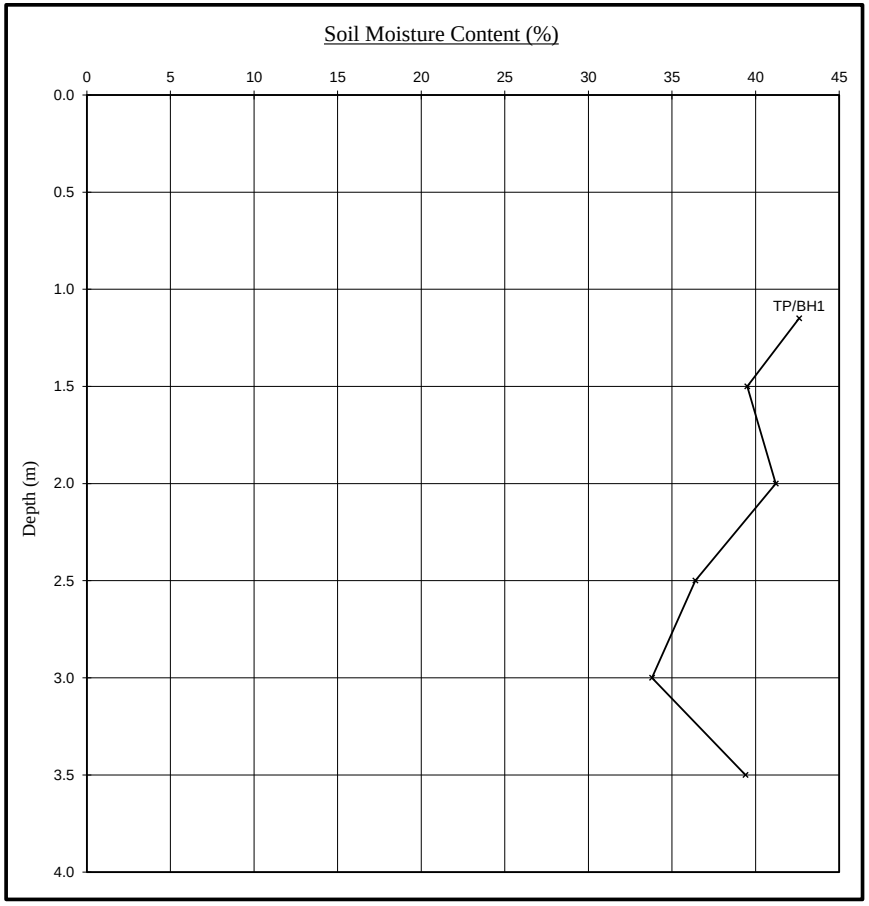
The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Opinions and interpretations expressed herein are outside of the scope of UKAS accreditation.

Version: BH V1 SUBCON - 28.03.2023

Moisture Content Profiles

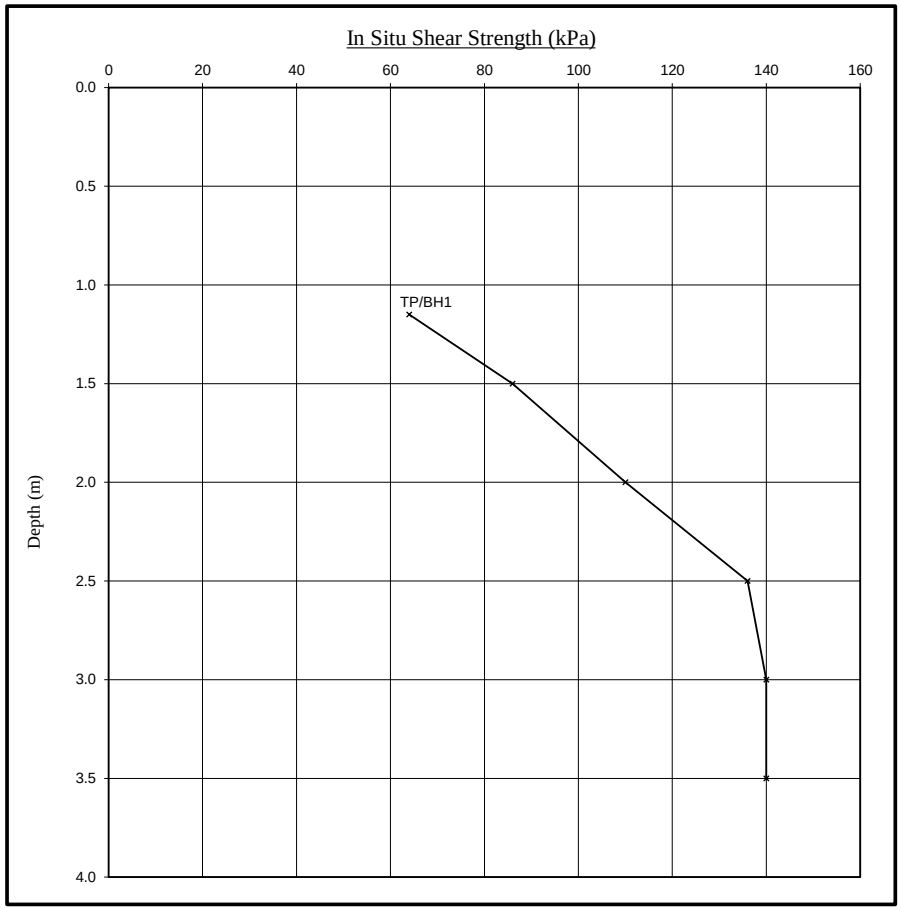
Our Ref : 770914
Location : 22 Wieland Road
Work carried out for: CET Property Assurance (Sedgwick International UK)



Notes
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

Shear Strength Profiles

Date Sampled : 06/12/2023
Date Received : 08/12/2023
Date Tested : 11/12/2023
Date of Report : 18/12/2023



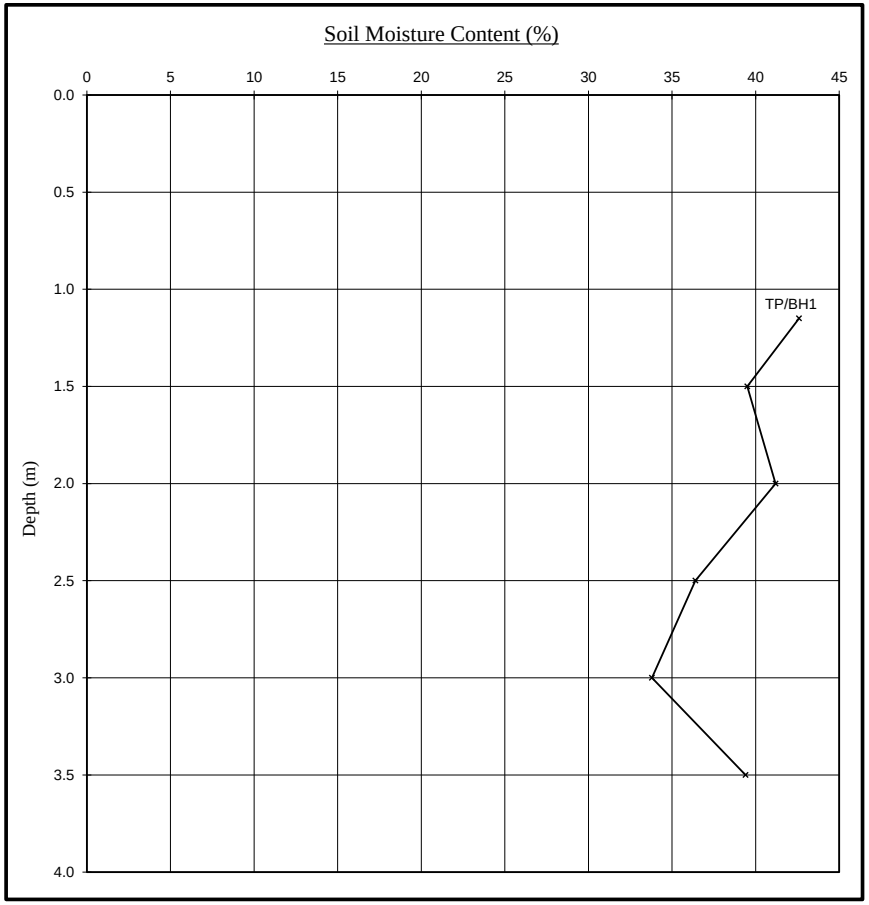
Note
1. Unless otherwise stated, values of Shear Strength were determined in situ by CTS using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 130 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

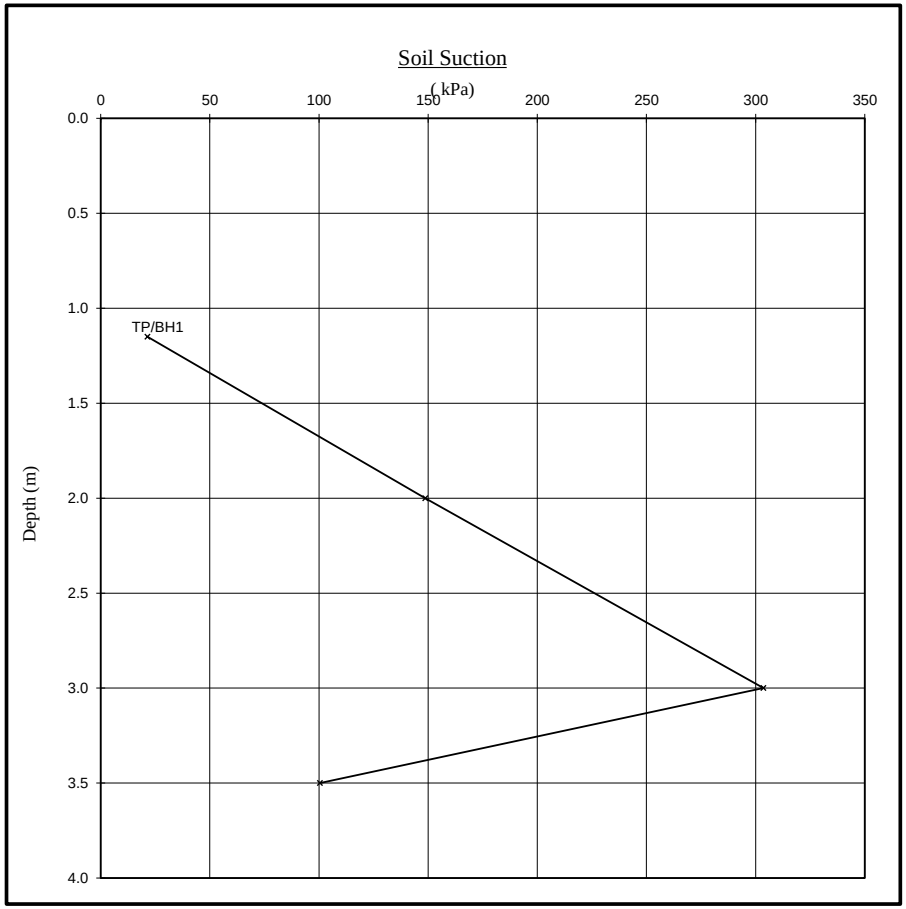
Moisture Content Profiles

Soil Suction Profiles

Our Ref : 770914
Location : 22 Wieland Road
Work carried out for: CET Property Assurance (Sedgwick International UK)

Date Sampled : 06/12/2023
Date Received : 08/12/2023
Date Tested : 11/12/2023
Date of Report : 18/12/2023





Notes
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

Note
When shown, the theoretical equilibrium suction profiles are based on conventional assumptions associated with London Clay (and similarly overconsolidated clays) at shallow depths. Note that the sample disturbance component is dependant on the method of sampling and any subsequent recompaction. The above plots show this to be 100kPa which is the value suggested by the BRE on the basis of their limited number of tests on recompacted samples. This may or may not be appropriate in this instance and judgement should be exercised.

EPSL
Independent Scientific Analysis

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ROOT IDENTIFICATION

22 Wieland Road

Client Reference: 770914
Report Date: 14 December 2023
Our Ref: R56334

Sub Sample	Species Identified		Root Diameter	Starch
TP1:				
USF	*Salix* spp. *		2 mm	Moderate
BH1:				
to 2m	*Salix* spp. *	1	1.5 mm	Low

Comments:

1 - Plus 3 others also identified as *Salix* spp.

Salix spp. are willows.

* EPSL research has developed a unique ability to differentiate Willows from Poplars. No other laboratory in the UK can currently provide this service. We now offer this benefit at no extra cost.

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.