PROPERTY ASSURANCE
Giving our all

SITE INVESTIGATION
FACTUAL REPORT

Report No:	SI-469977
Client:	Sedgwick International UK - Morley
Site:	34 Southwood Road Wiltshire
Client Ref:	9473216
Date of Visit:	15/06/2022

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

CET is the trading name of CET Structures Ltd
Registered in England No. 02527130

Investigation Layout Plan

Sheet: 1 of 1

Job No: 469977

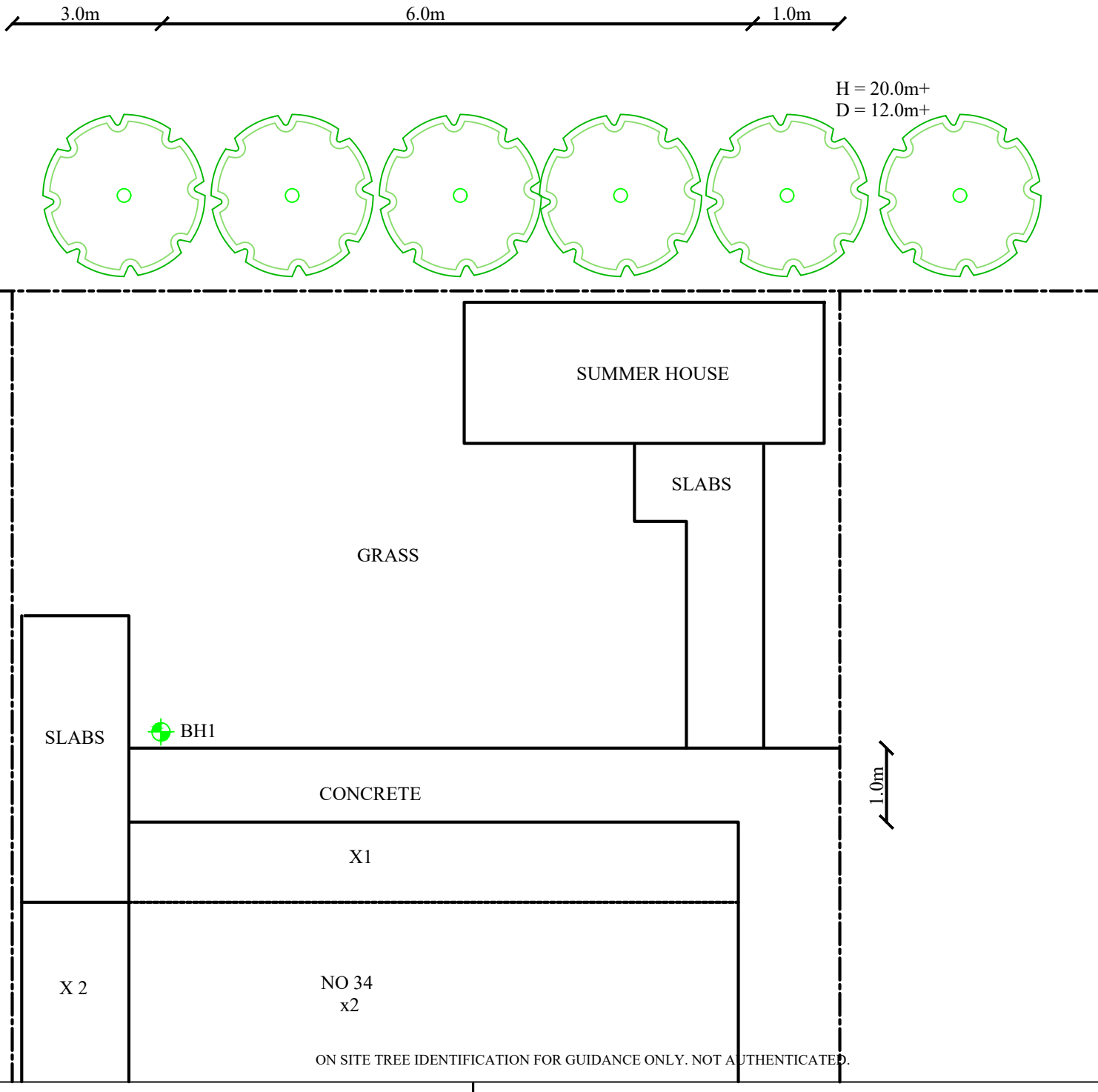
Date: 15/06/2022

Site: 34 Southwood Road

Work carried out for: Sedgwick International UK

KP	AM	AM
(SI)	(Checked)	(Drawn)

Weather: Dry



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

Borehole	1		Sheet:	1 of 1	Site:	34 SOUTHWOOD ROAD
			Job No:	469977		
			Date:	15/06/2022		
Boring Method:	Hand Auger		Ground Level:		Client:	SEDGWICK INTERNATIONAL UK
Diameter (mm):	75	Weather:	Dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
0.00	MADEGROUND medium compact dark brown silty sandy clay with brick fragments and gravel	0.30				
0.30	MADEGROUND medium compact brown-grey silty sandy clay with brick fragments, claystone nodules and gravel	0.50		0.50	DM	17
						16
						16
0.80	Stiff mid brown, grey veined silty CLAY with partings of orange silt and fine sand and claystone nodules	0.90				14
				1.00	DV	100
						104
				1.50	DV	122
						130
1.70	Stiff mid brown,grey veined silty CLAY with partings of orange silt and fine sand	0.80		2.00	DV	136
						138
2.50	Very stiff mid brown, grey veined silty CLAY with partings of orange silt and fine sand	2.50		2.50	DV	140+
						140+
				3.00	DV	140+
						140+
				3.50	DV	140+
						140+
				4.00	DV	140+
						140+
				4.50	DV	140+
						140+
				5.00	DV	140+
5.00	End of BH					140+

Remarks:
BH ends at 5.0m. BH dry and open on completion. No roots observed below 1.7m.

Key:

		To Depth (m)	Max Dia (mm)
D - Disturbed Sample			
B - Bulk Sample			
W - Water Sample	Roots	0.90	5
J - Jar Sample	Roots	1.70	1
V - Pilcon Shear Vane (kPa	Roots		
M - Mackintosh Probe	Depth to Water (m)		
TDTD - Too Dense To Drive			

Logged:	KP	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Construction Testing Solutions

SITE INVESTIGATION
LABORATORY TEST REPORT

SI REPORT NUMBER: 469977

CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:
34 Southwood Road
Trowbridge
Wiltshire
BA14 7BZ

DATE OF SITE VISIT:
15/06/2022

DATE RECEIVED BY LABORATORY:
16/06/2022

L. Kirby
Compiled by : .....
L. Kirby - Laboratory Technician (B)

[redacted]
Approved by : .....
J. Garrett - Laboratory Manager (B)

DATE REPORTED: 24-Jun-2022

Laboratory Summary Results

Our Ref : 469977

Date Sampled: 15/06/2022

Location : 34 Southwood Road, Trowbridge, Wiltshire, BA14 7BZ

Date Received : 16/06/2022

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 16/06/2022

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

Date of Report : 24/06/2022

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 * (g / l)		* 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 *[14]*	SO_4 *[15]*	*[16]*
BH1	0.5	D	30	<5	68	20	48	0.20	48	CH	7	174								
	1.0	D	25	<5											102					
	1.5	D	28	<5	58	22	36	0.16	36	CH	7	363			126					
	2.0	D	25	<5											137					
	2.5	D	21	<5	54	25	29	-0.12	29	CH	7	353			> 140					
	3.0	D	22	<5											> 140					
	3.5	D	28	<5	56	24	32	0.12	32	CH	7	464			> 140					
	4.0	D	30	<5											> 140					
	4.5	D	30	<5							7	453			> 140					
	5.0	D	31	<5							7	482			> 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 fine 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 : 1990, Test No 4

[13] BS 1377 : Part 3 : 1990, Test No 9

[14] BS 1377 : Part 3 : 1990, Test No 5.6

[15] $SO_4 = 1.2 \times SO_3$

[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

* These tests are not UKAS accredited

Full reports can be provided upon request.

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

UKAS TESTING

0927

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

Moisture Content Profiles

Shear Strength Profiles

Our Ref : 469977
Location : 34 Southwood Road, Trowbridge, Wiltshire, BA14 7BZ
Work carried out for: CET Property Assurance (Sedgwick International UK)

Date Sampled : 15/06/2022
Date Received : 16/06/2022
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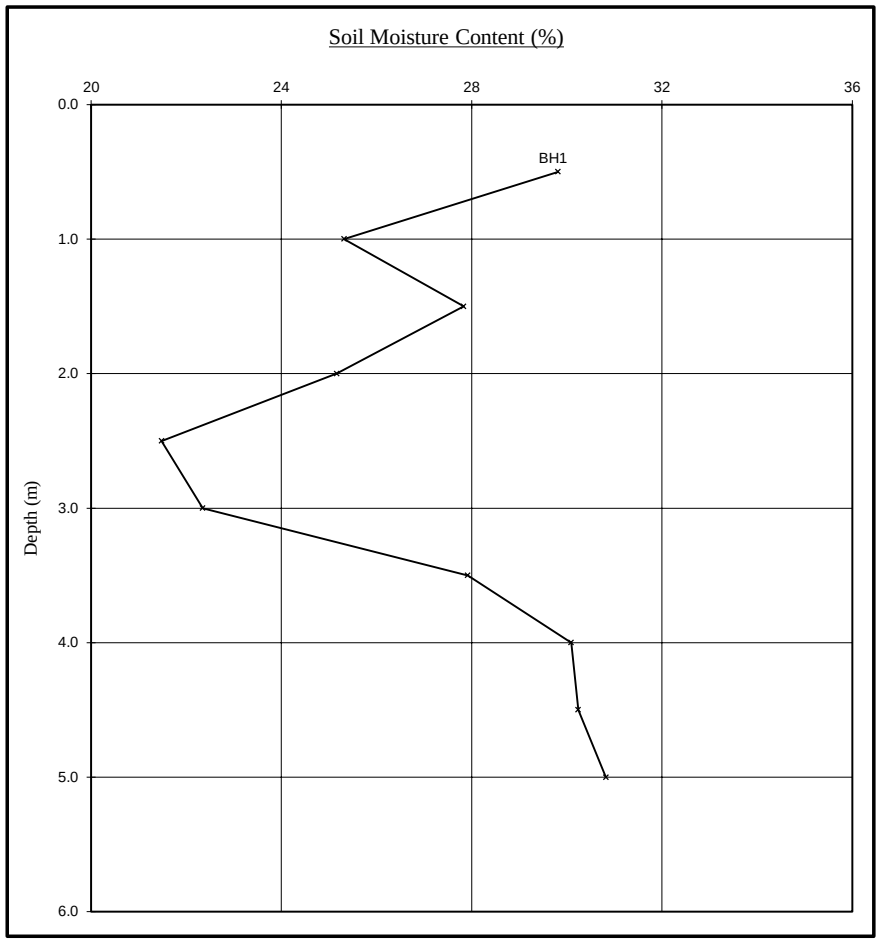

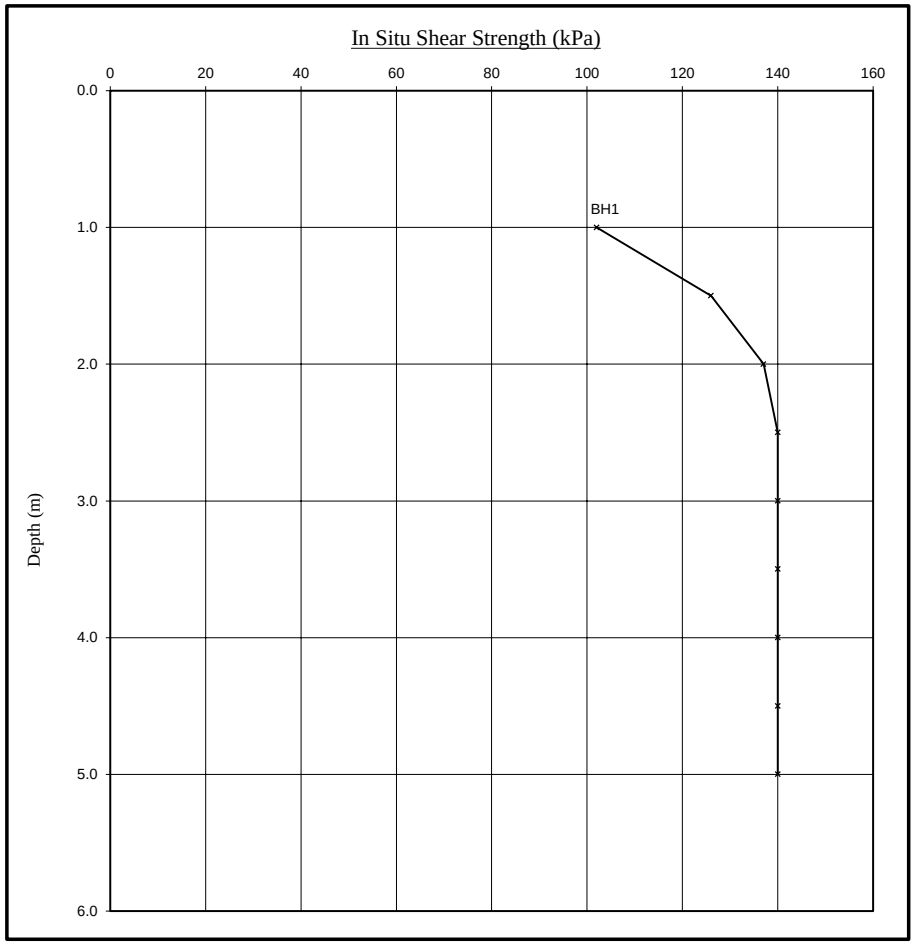

Notes
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

Note
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 140 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Soil Suction Profiles

Our Ref : 469977
Location : 34 Southwood Road, Trowbridge, Wiltshire, BA14 7BZ
Work carried out for: CET Property Assurance (Sedgwick International UK)

Date Sampled : 15/06/2022
Date Received : 16/06/2022
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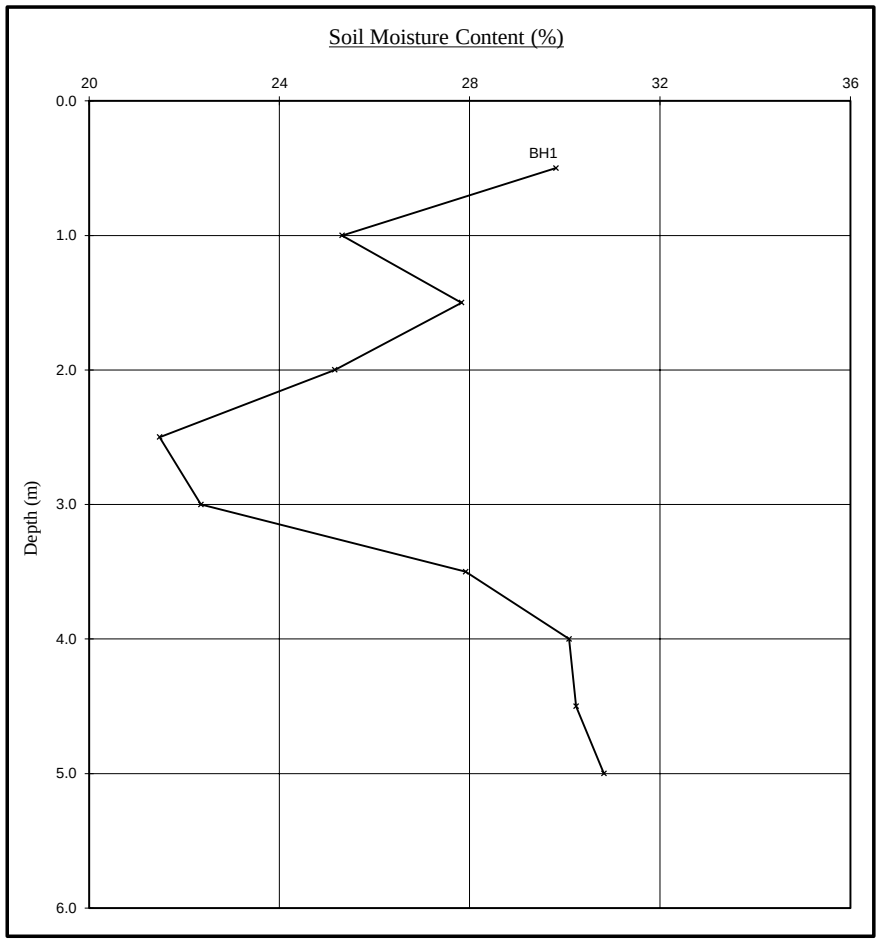

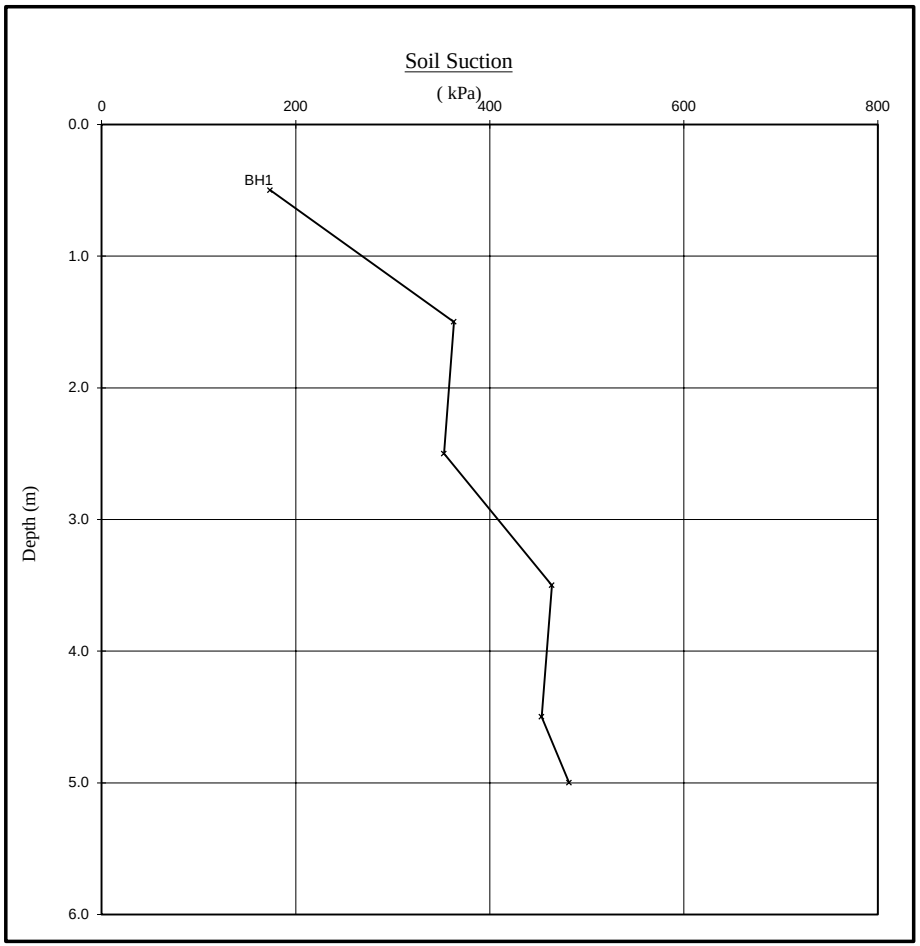

Notes

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.