

SITE INVESTIGATION FACTUAL REPORT

Report No: SI-532505
Client: Sedgwick International UK - Maidstone
Site: 150 Crouch Hill
Haringey
Client Ref: 9646201
Date of Visit: 23/11/2022



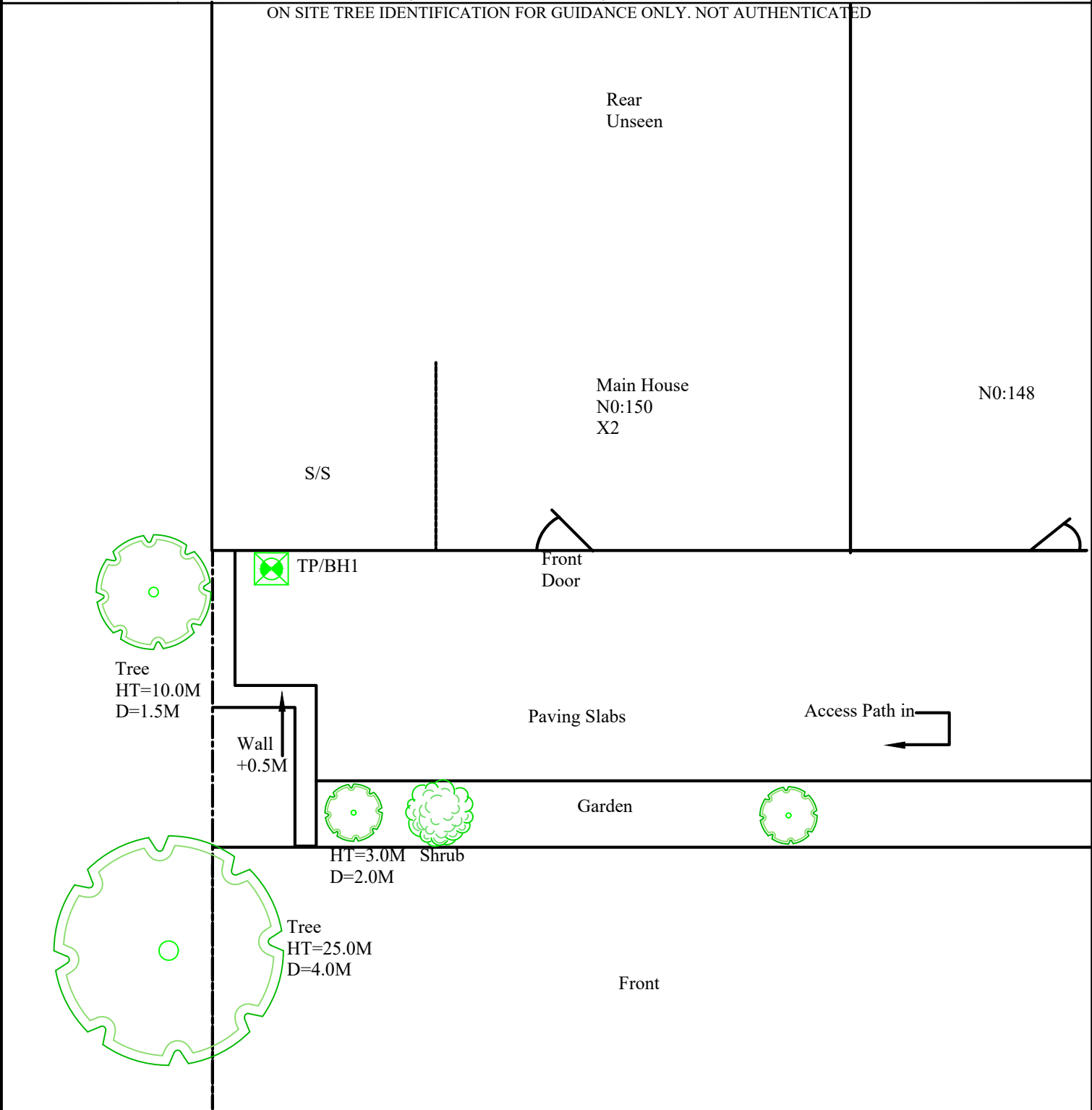
Home Emergency Response - Subsidence Investigation - Drainage Services – Crack & Level Monitoring – Property Video Surveys

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	Site: 150 Crouch Hill
			Job No: 532505	
			Date: 23/11/22	Work carried out for: Sedgwick International UK
MR (SI)	AM (Checked)	JMC (Drawn)	Weather: Dry	



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

TEST REPORT:
Trial Pit
REPORT NUMBER: C1069962 / 222874.1.1.1

TRIAL PIT REF: TP1

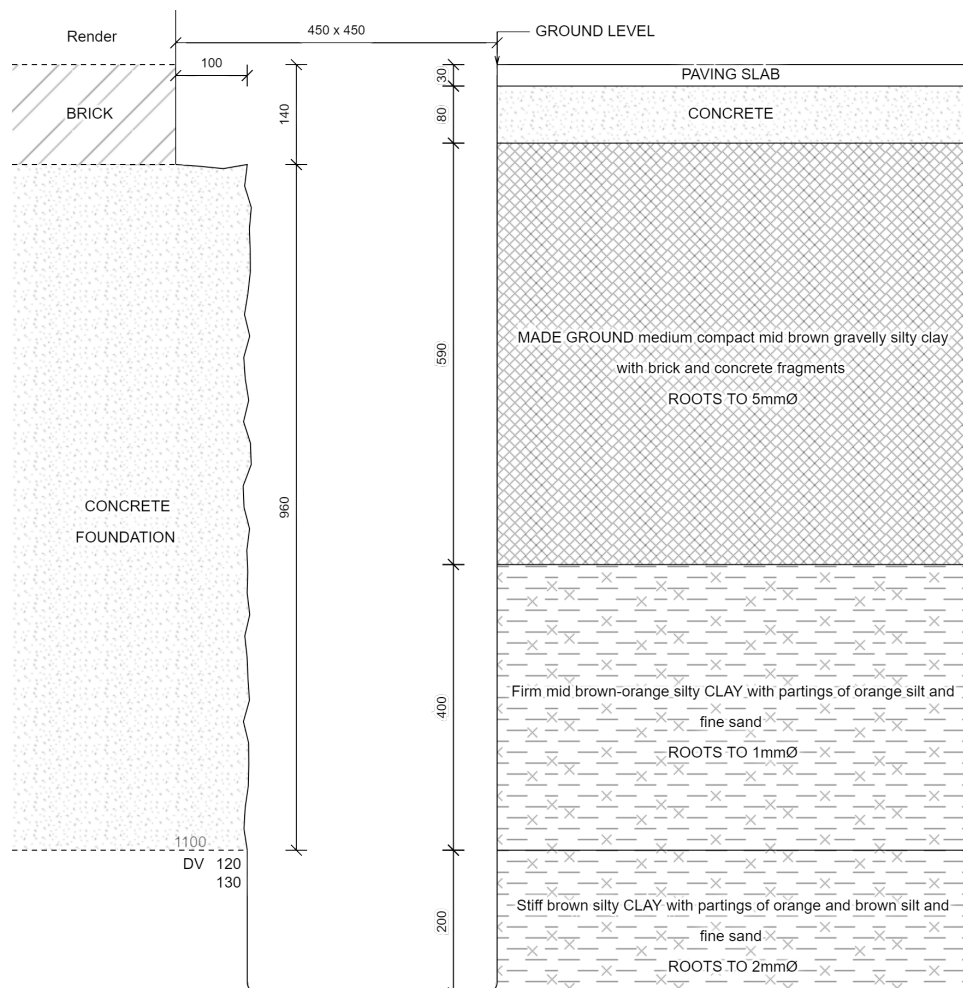
CLIENT: Sedgwick International UK

JOB NO: 532505

EXCAVATION METHOD: Hand tools

DATE: 23/11/2022

SITE: 150 CROUCH HILL

WEATHER: Dry


For Strata below 1300mm see Bore Hole log

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.
Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.
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 24-Nov-22

[illegible]

SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: 532505

CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:
150 CROUCH HILL
LONDON
N8 9DX

DATE OF SITE VISIT:
23/11/2022

DATE RECEIVED BY LABORATORY:
24/11/2022

Compiled by :
Danielle Wilkinson - Lab Co-ordinator

Approved by :
Danielle Wilkinson - Lab Co-ordinator

DATE REPORTED: 9-Jan-2023

Laboratory Summary Results

Our Ref : 532505

Date Sampled: 23/11/2022

Location : 150 CROUCH HILL, LONDON, N8 9DX

Date Received : 24/11/2022

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 15/12/2022

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

Date of Report : 09/01/2023

Sample Ref		Type	Moisture Content (%) [1]	Soil Fraction > 0.425mm (%) [2]	Liquid Limit (%) [3]	Plastic Limit (%) [4]	Plasticity Index (%) [5]	Liquidity * Index [5]	Modified * Plasticity Index (%) [6]	Soil * Class [7]	Filter Paper Contact Time (d)	Soil Sample Suction (kPa) [8]	Oedometer Strain [9]	Estimated * Heave Potential (Dd) (mm)[10]	In situ * Shear Vane Strength (kPa) [11]	Organic * Content (%) [12]	pH * Value [13]	Sulphate Content * (g / l)		* Class [16]
TP/BH No	Depth (m)																			
																		so3 [14]	so4 [15]	
1	U/S 1.10	D	32	<5	81	30	51	0.04	51	CV	7	394			125					
	1.5	D	32	<5											118					
	2.0	D	27	<5	80	26	54	0.02	54	CV	7	1050			>130					
	2.5	D	26	<5											>130					
	3.0	D	25	<5	77	24	53	0.03	53	CV	7	1440			>130					

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] SO₄ = 1.2 x SO₃

[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



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.

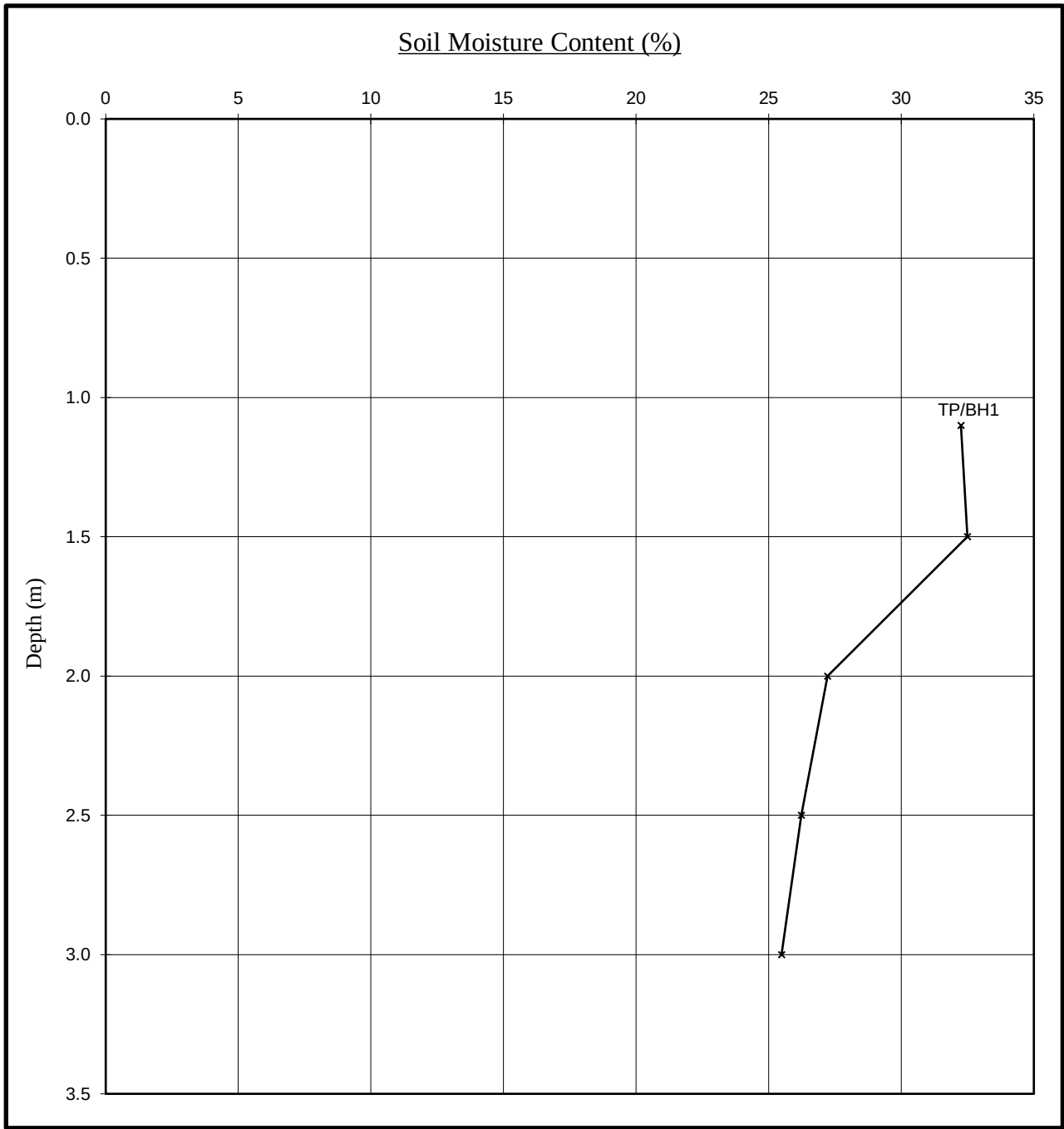
Construction Testing Solutions Ltd - Lawness Barns, Mountnessing Road, Billericay, Essex CM12 0TS

Version: 5BH V3.3 - 23.11.22

4161

Moisture Content Profiles

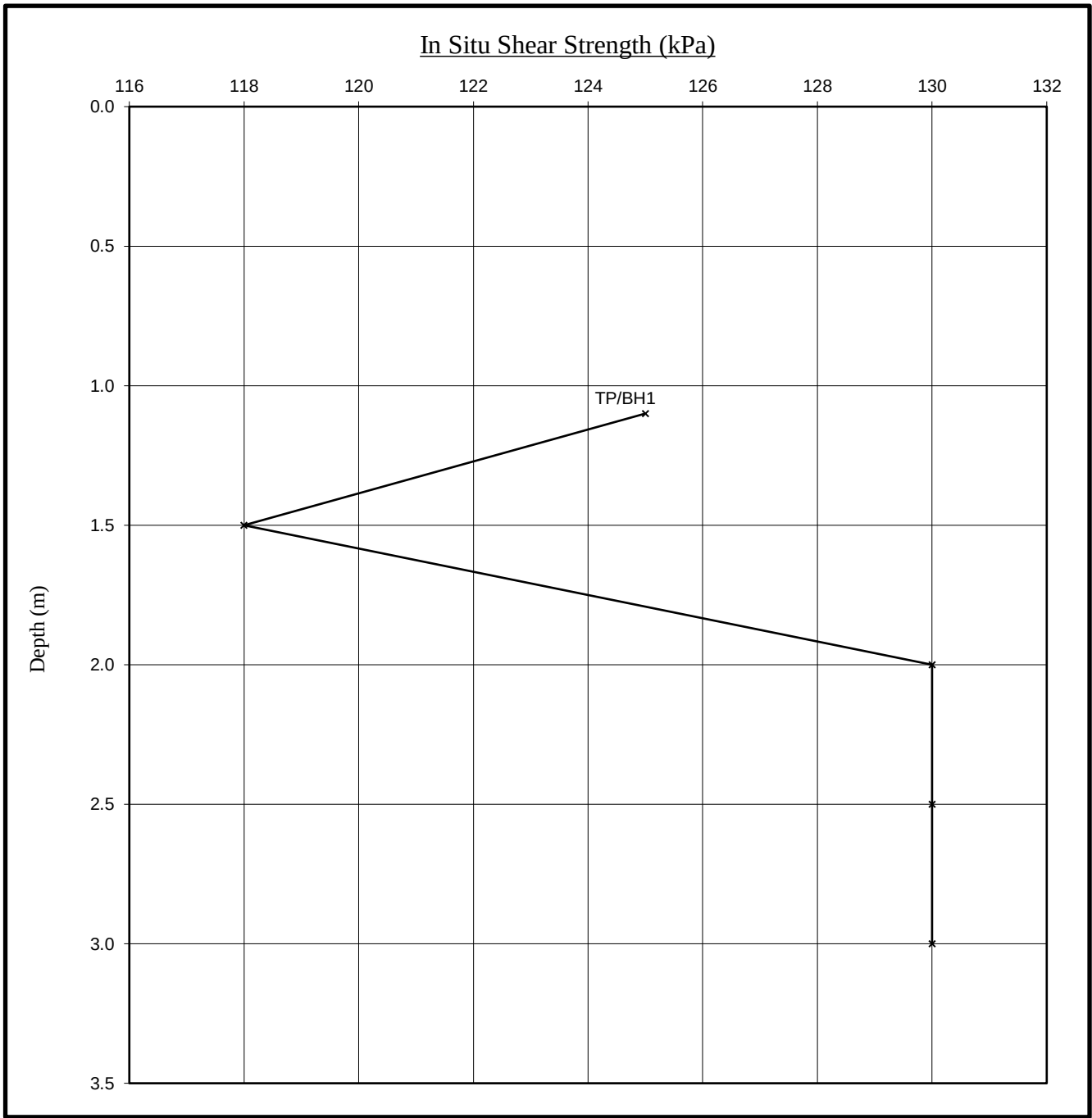
Our Ref : 532505
Location : 150 CROUCH HILL, LONDON, N8 9DX
Work carried out for: CET Property Assurance (Sedgwick International UK)



- 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

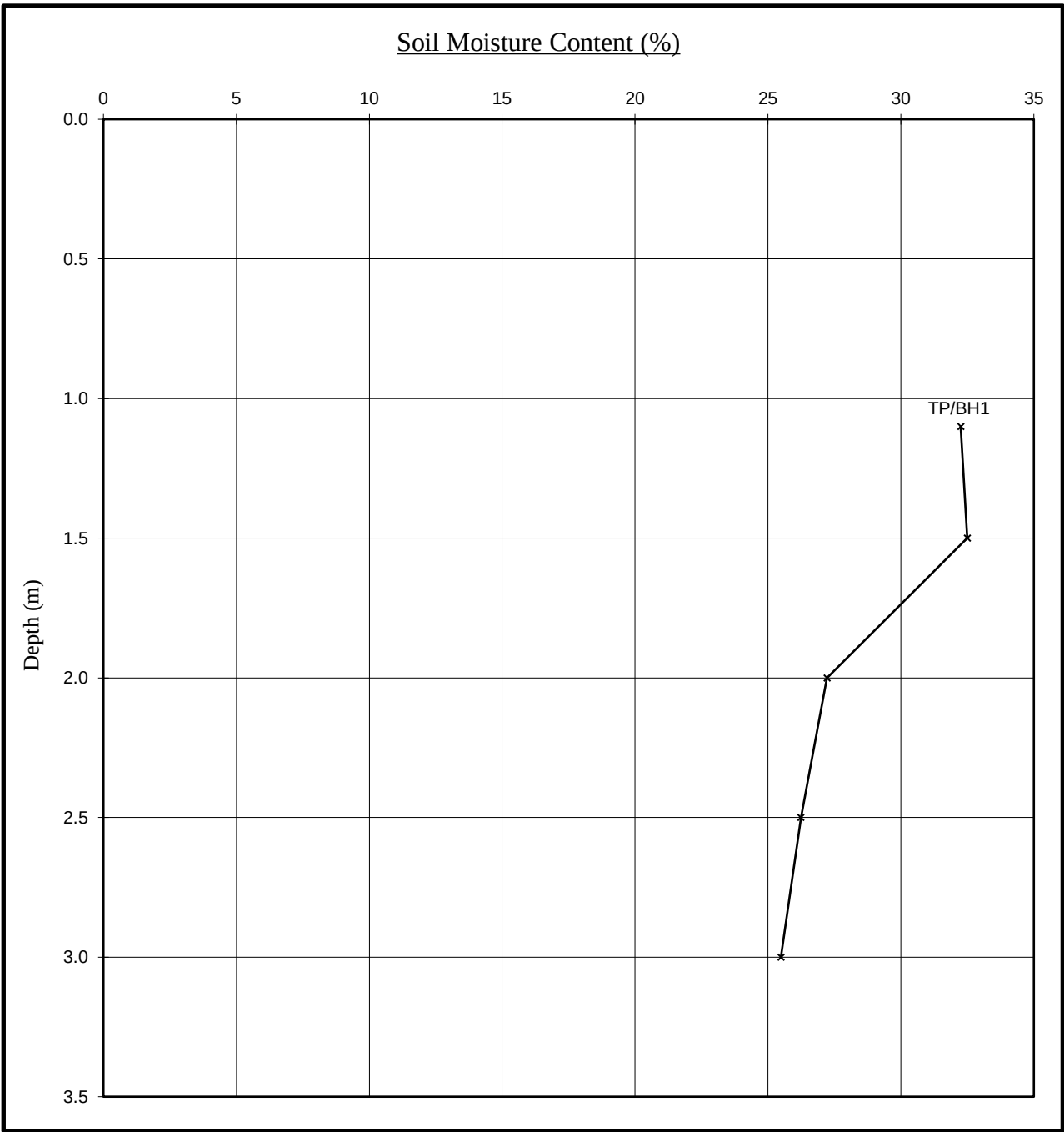
Date Sampled : 23/11/2022
Date Received : 24/11/2022
Date Tested : 15/12/2022
Date of Report : 09/01/2023



- 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

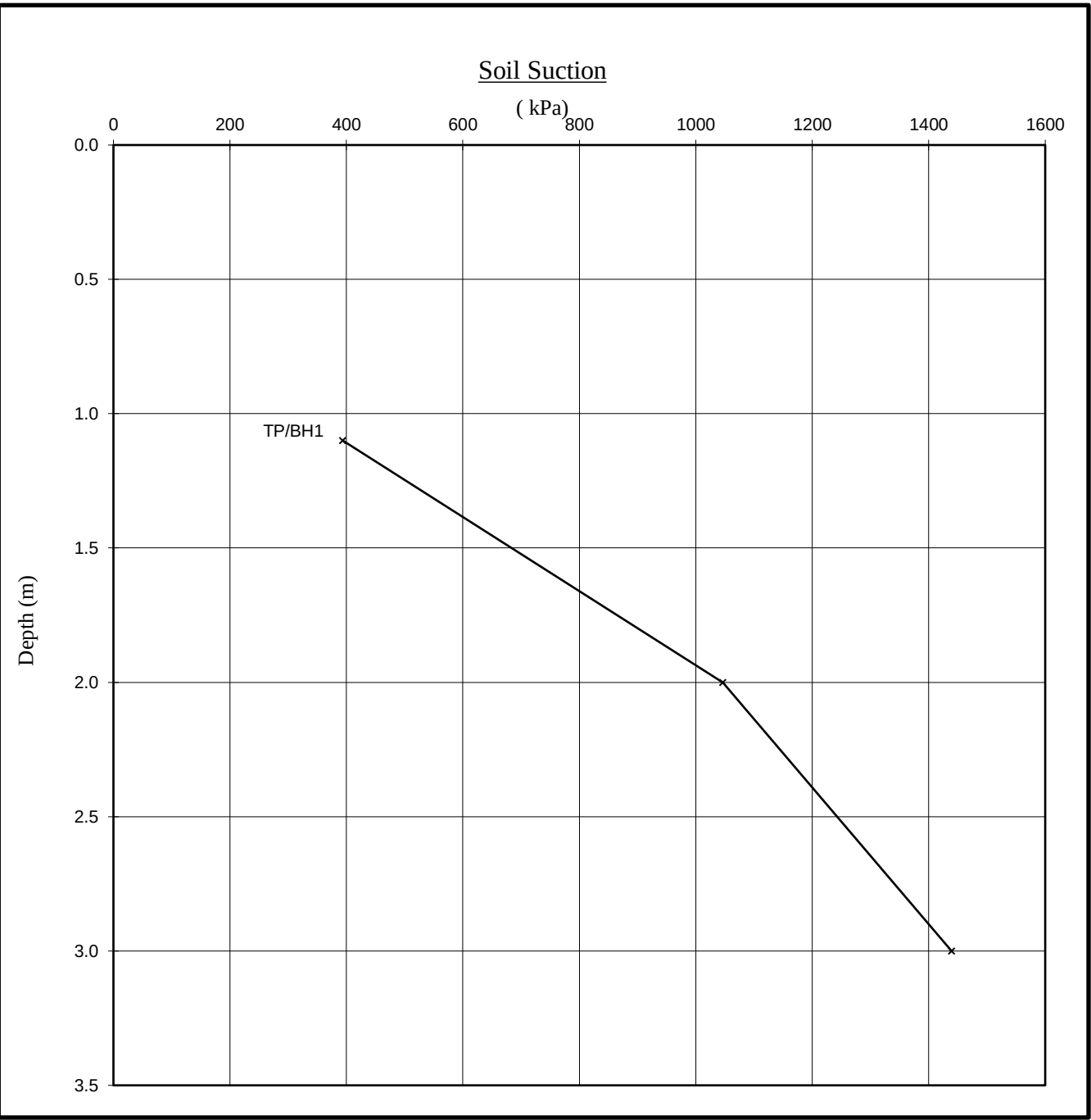
Our Ref : 532505
Location : 150 CROUCH HILL, LONDON, N8 9DX
Work carried out for: CET Property Assurance (Sedgwick International UK)



- 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.

Soil Suction Profiles

Date Sampled : 23/11/2022
Date Received : 24/11/2022
Date Tested : 15/12/2022
Date of Report : 09/01/2023



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.

Construction Testing Solutions
4 Oak Spinney Park
Ratby Lane
Leicester Forest East
Leicestershire
LE3 3AW

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

ROOT IDENTIFICATION

150 Crouch Hill,

Client Reference: 532505
Report Date: 7 December 2022
Our Ref: R49115

Sub Sample	Species Identified	Root Diameter	Starch
TP1:			
USF	probably Leguminosae spp.	1.5 mm	Moderate
BH1:			
to 2.1m	probably Leguminosae spp.	1	<1 mm Low

Comments:

1 - Three the same.

Leguminosae spp. include laburnum, *Robinia* (false acacia or locust), broom, the pagoda tree and the climber wisteria.

Signed: M D Mitchell

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

