

SITE INVESTIGATION FACTUAL REPORT

Report No: SI-375904
Client: Sedgwick International UK - Maidstone
Site: 167-169, Slade Lane
Manchester
Client Ref: 9377088
Date of Visit: 16/12/2021



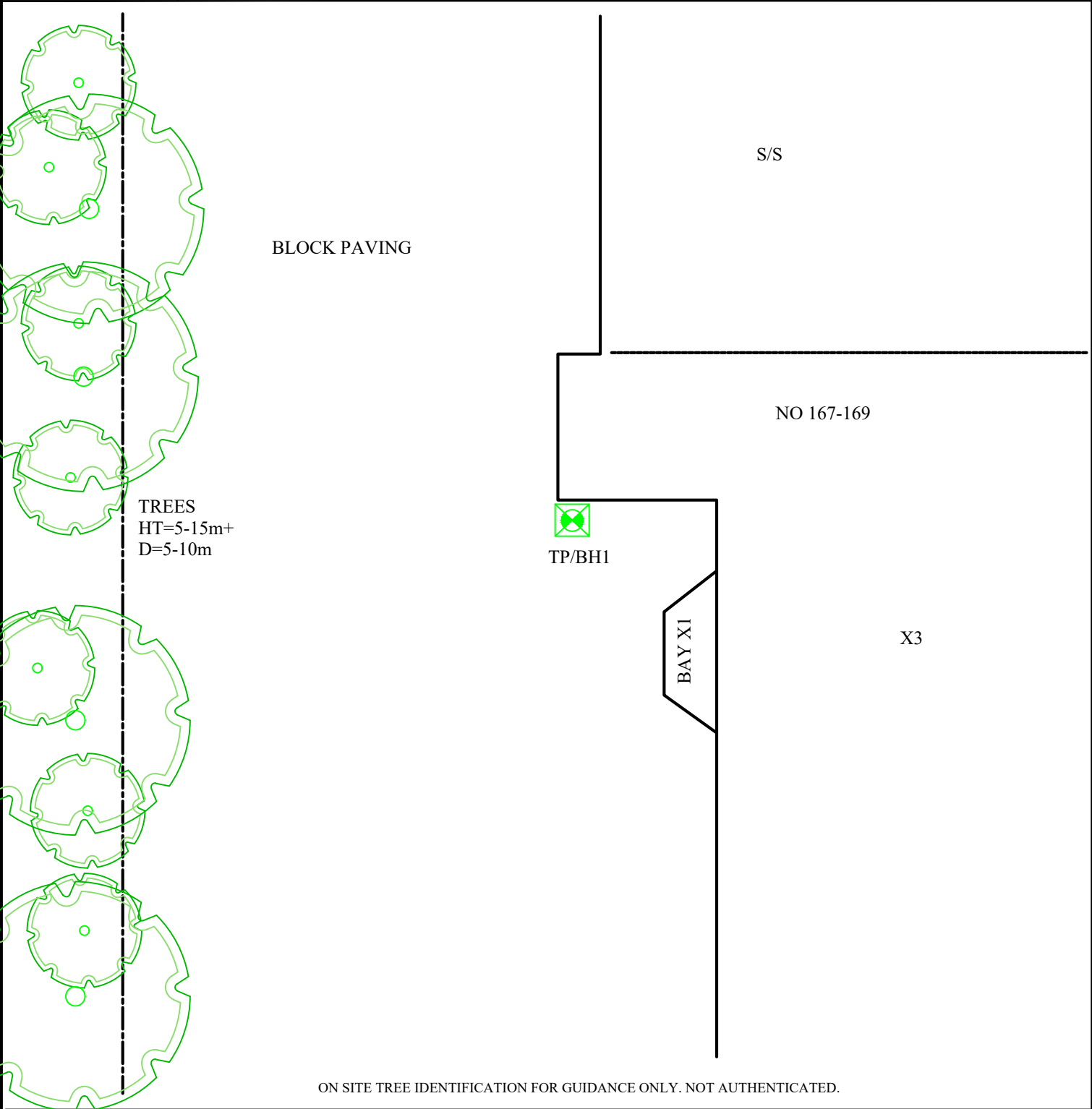
Home Emergency Response - Subsidence Investigation - Drainage Services – Crack & Level Monitoring – Property Video Surveys

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: 167-169 SLADE LANE
			Job No: 375904	
			Date: 16/12/21	Work carried out for: Sedgwick International UK
RS (SI)	SA (Checked)	DVC (Drawn)	Weather: Dry	



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

TEST REPORT: Trial Pit

REPORT NUMBER: C1055911 / 162725.1.1.1

TRIAL PIT REF: TP1

CLIENT: Sedgwick International UK

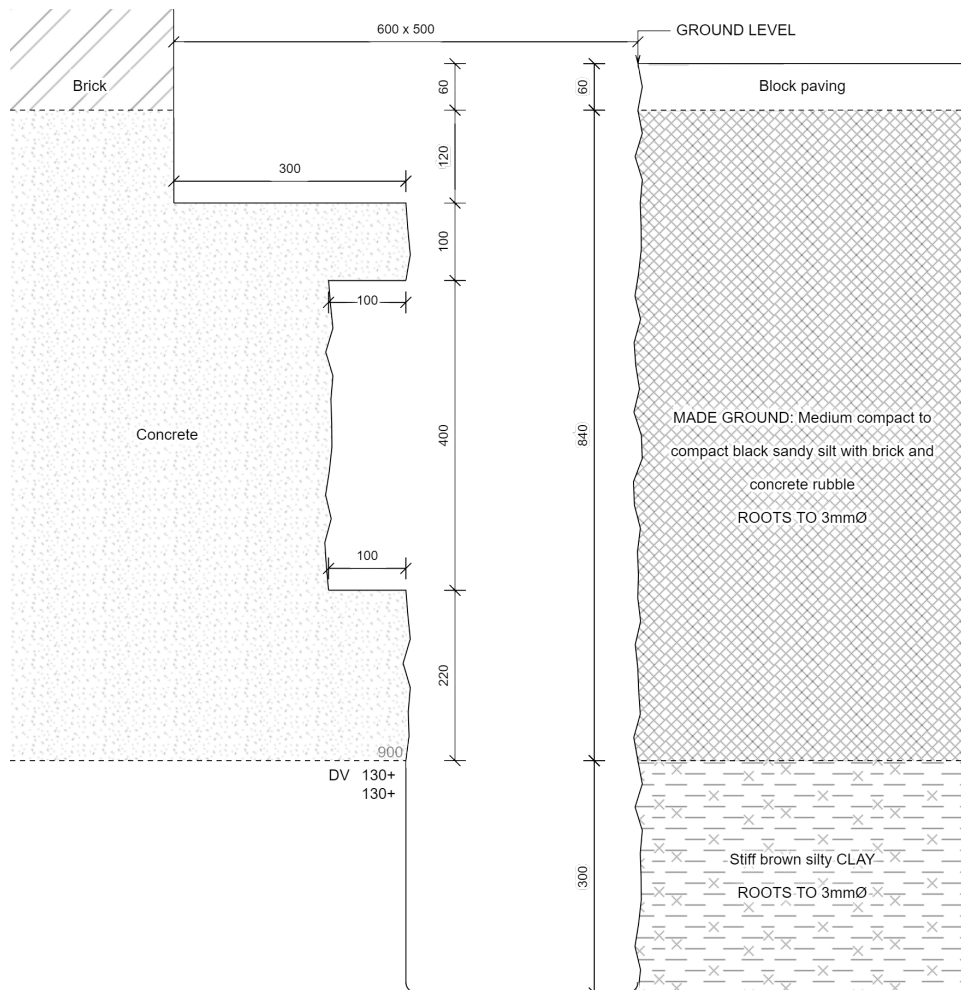
JOB NO: 375904

EXCAVATION METHOD: Hand tools

DATE: 16/12/2021

SITE: 167-169 Slade Lane

WEATHER: Overcast



For Strata below 1200mm see Bore Hole log

Curved steel pin driven 300mm under foundation at 900mm below ground level.

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.

For and on behalf of CTS
Adam Mason - Quality Control

Approved Signatory
20-Dec-21

Borehole	1		Sheet:	1 of 1	Site:	167-169 Slade Lane							
			Job No:	375904									
			Date:	16/12/2021									
Boring Method:	Hand Auger			Ground Level:		Client:	Sedgwick						
Diameter (mm):	75	Weather:	dry										
Depth (m)	Soil Description					Thickness	Legend	Samples and Tests					
0.00	See Trial Pit					1.20		Depth	Type	Result			
1.20	Stiff brown silty CLAY					0.70	x — x						
							x — x						
							x — x						
							x — x	1.50	DV	130+			
							x — x			130+			
							x — x						
							x — x						
1.90	End of BH												
Remarks: BH ends at 1.9m, too hard to hand auger. BH open and dry on completion.					Key: D - Disturbed Sample B - Bulk Sample W - Water Sample Roots J - Jar Sample Roots V - Pilcon Shear Vane (kPa) Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive					To	Max		
										Depth	Dia		
										(m)	(mm)		
										1.90	2		
										Logged:	RS	SA	Checked:



SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: 375904

CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:
167-169 Slade Lane
Manchester
M19 2AF

DATE OF SITE VISIT:
16/12/2021

DATE RECEIVED BY LABORATORY:
20/12/2021

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


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

DATE REPORTED: 30-Oct-2021

Laboratory Summary Results

Our Ref : 375904

Date Sampled: 16/12/2021

Location : 167-169 Slade Lane, Manchester, M19 2AF

Date Received : 20/12/2021

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 20/12/2021

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

Date of Report : 30/12/2021

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) [8]	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 0.90	D	26	<5	56	23	33	0.09	33	CH	8	100			> 130					
	1.5	D	18	<5	41	17	24	0.03	24	CI	8	329			> 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] In-house method S9a adapted from BRE IP 4/93

[9] In-house Test Procedure S17a: One Dimensional Swell/Strain Test

[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 2 : 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.

* 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



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

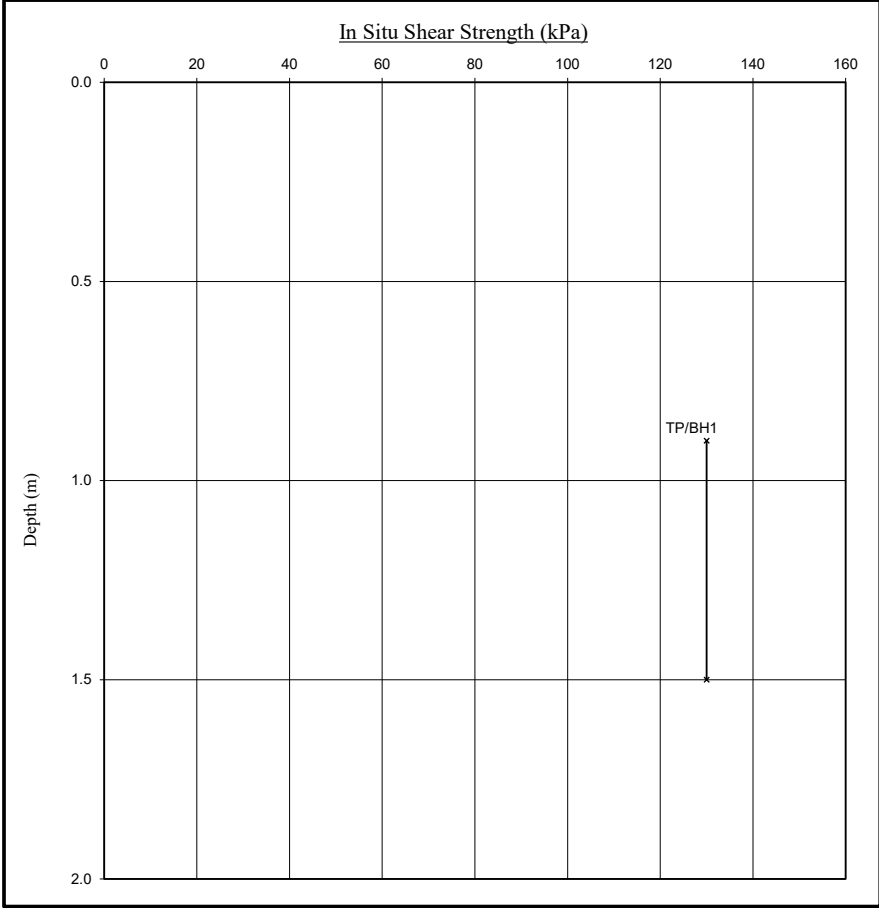
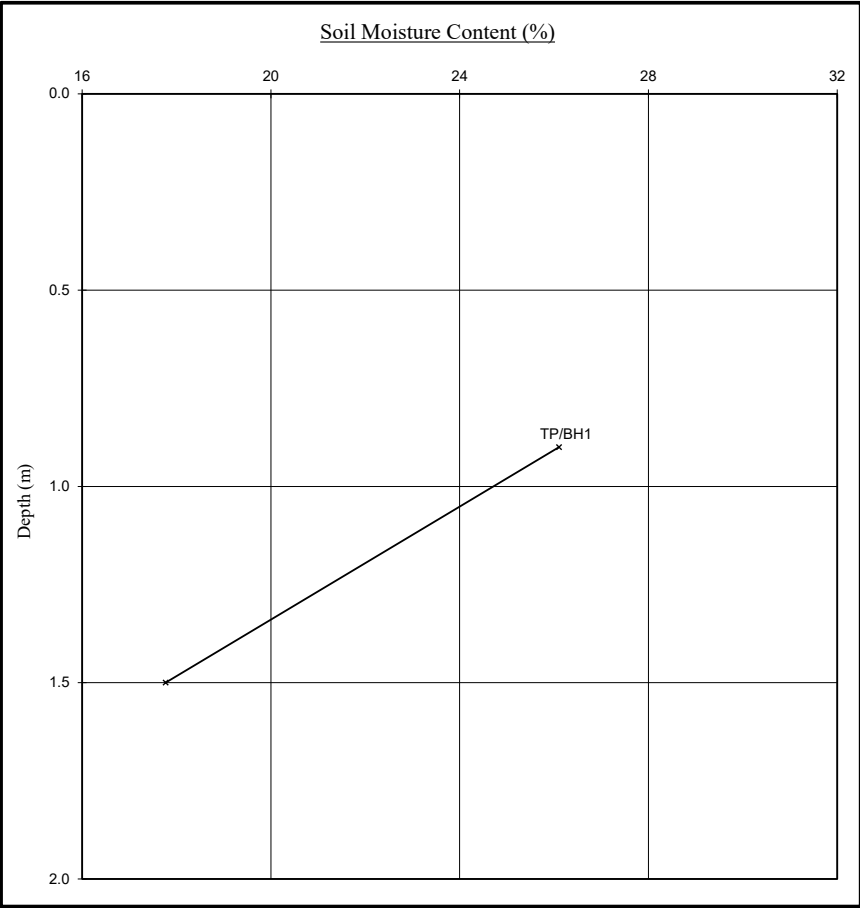
Version: 5BH V1 - 06.01.21

0927

Moisture Content Profiles

Our Ref : 375904
Location : 167-169 Slade Lane, Manchester, M19 2AF
Work carried out for: CET Property Assurance (Sedgwick International UK)

Date Sampled : 16/12/2021
Date Received : 20/12/2021
Date Tested : 20/12/2021
Date of Report : 30/12/2021



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.

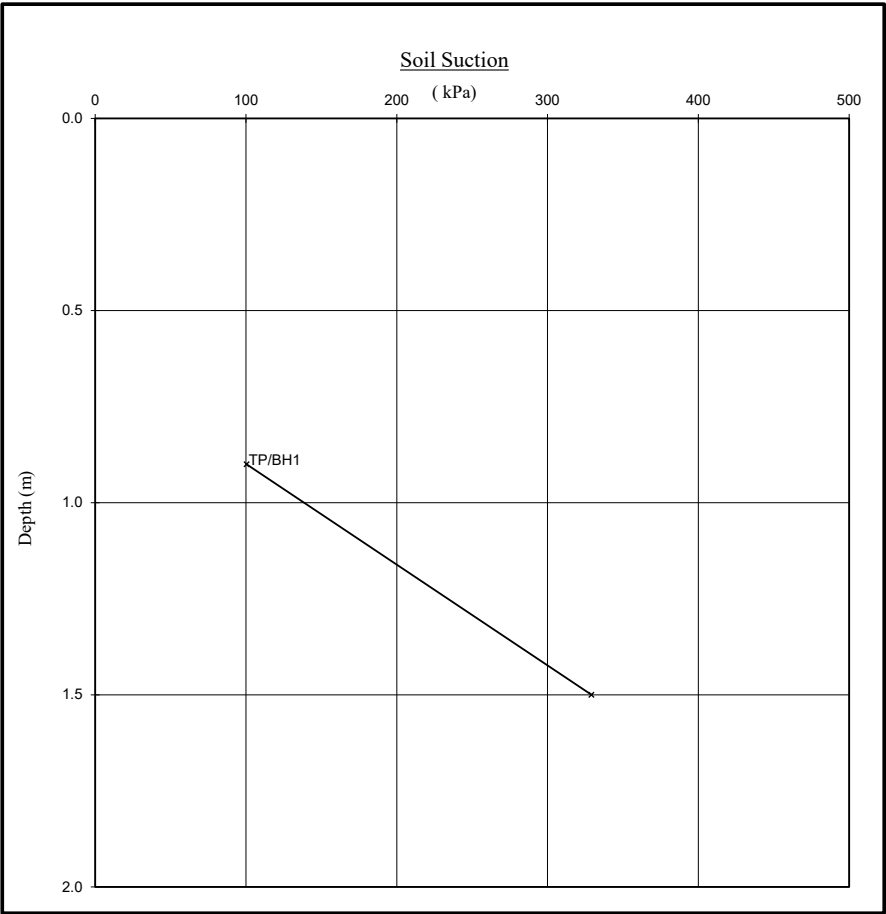
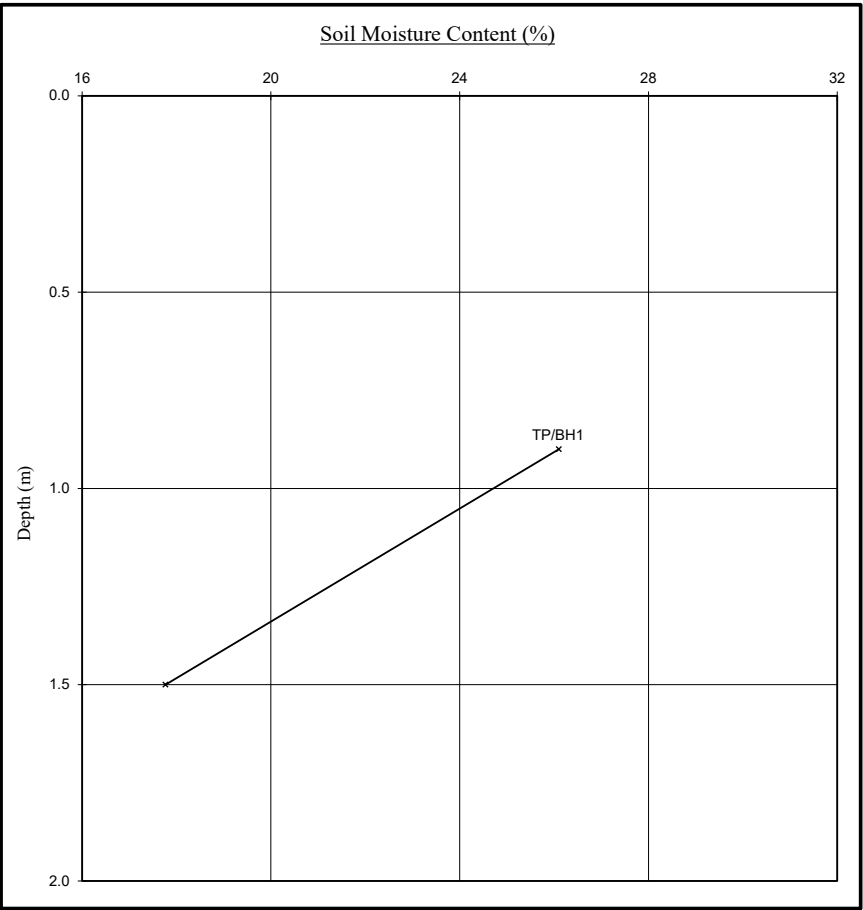
Note

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

Moisture Content Profiles

Our Ref : 375904
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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.

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

167-169 Slade Lane,

Client Reference: 375904
Report Date: 21 December 2021
Our Ref: R44192

Sub Sample	Species Identified		Root Diameter	Starch
TP1:				
USF	Fraxinus spp.	1	5 mm	Abundant
BH1:				
1.9m	Fraxinus spp.	2	1 mm	Abundant

Comments:

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

Fraxinus spp. include common ash.

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.

