

SITE INVESTIGATION FACTUAL REPORT

Report No: 772394
Client: Sedgwick International UK - Maidstone
Site: 95 Elm Grove Road
Client Ref: 9035576
Date of Visit: 14/10/2020



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

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✉ 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

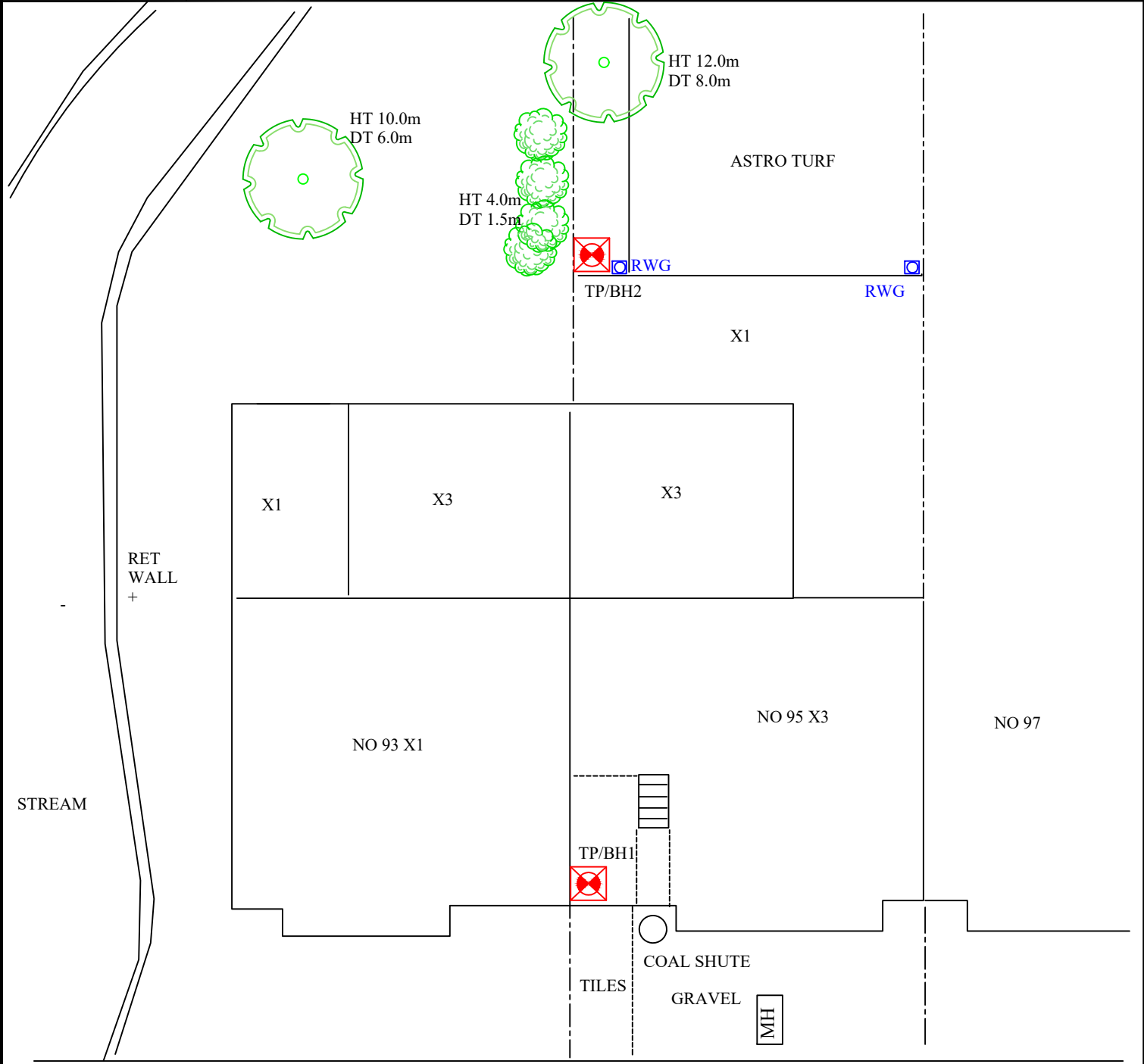
Sheet: 1 of 1
 Job No: 772394
 Date: 14/10/20

Site: 95, Elm Grove Road, SW13

Work carried out for: Sedgwick International UK

LBI (SI) SA (Checked) Jo (Drawn)

Weather: Dry



DRAIN RECOMMENDATIONS

REMARKS: TP/BH1 in basement

Scale: N.T.S.

Surface Water Drain --- --> ---
 Foul Water Drain --- --> ---

TEST REPORT: Trial Pit

REPORT NUMBER: C1047254 / 116910.1.1.1

TRIAL PIT REF: TP1

CLIENT: Sedgwick International UK

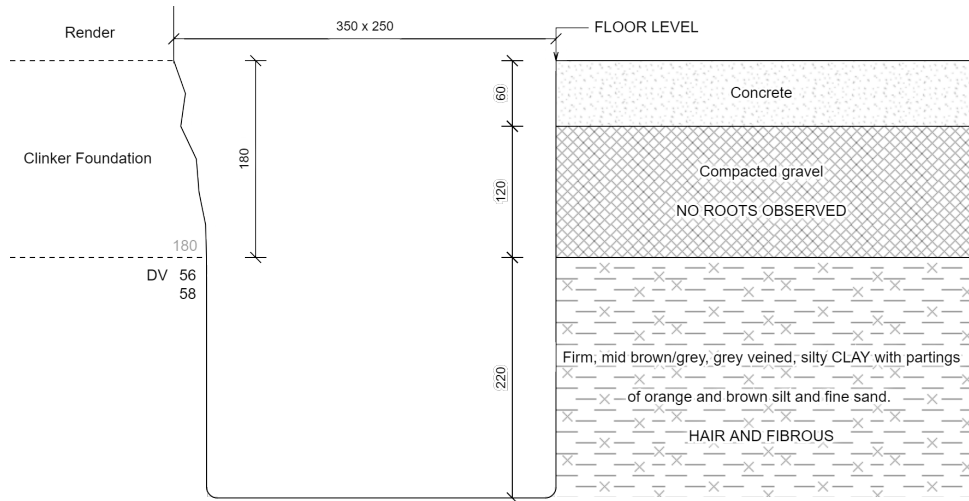
JOB NO: 772394

EXCAVATION METHOD: Hand tools

DATE: 14/10/2020

SITE: 95 Elm Grove

WEATHER: Dry



For Strata below 400mm see Bore Hole log

Excavation in basement, used as a utility room.

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.
 Amended report. This test report supersedes test report version 1

For and on behalf of CET
 Scott Alger - Lab

Report Format:

Approved Signatory
 16-Oct-20

DE74 2UD

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Report version 2

Page 1 of 1

Borehole		1		Sheet:	1 of 1	Site:	95 Elm Grove				
Boring Method:		Hand Auger		Job No:	772394		Client:	Sedgwick International UK - Maidstone			
Diameter (mm):		75		Date:	14/10/2020			Weather:	Dry		
Ground Level:											
Depth	Soil Description						Samples and Tests				
(m)							Thickness	Legend	Depth	Type	Result
0.00	See Trial Pit						0.40				
0.40	Firm mid brown/grey, grey veined silty CLAY with partings of orange and brown silt and fine sand.						0.60				
1.00	Medium dense becoming medium dense to dense mid to dark brown silty SAND with gravel.						0.30		1.00	DM	23
											33
											40
1.30	End of BH										50(30)
Remarks:						Key:				To	Max
BH ends at 1.3m, Sand and gravel, too dense to hand auger. BH dry and open on completion.						D - Disturbed Sample				Depth	Dia
No roots observed below 0.8m.						B - Bulk Sample				(m)	(mm)
						W - Water Sample				0.80	Fibrous
						J - Jar Sample					
						V - Pilcon Shear Vane (kPa)					
						M - Mackintosh Probe					
						TDTD - Too Dense To Drive					
Logged:	AC	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.				

TEST REPORT: Trial Pit

REPORT NUMBER: C1047254 / 116910.1.1.2

TRIAL PIT REF: TP2

CLIENT: Sedgwick International UK

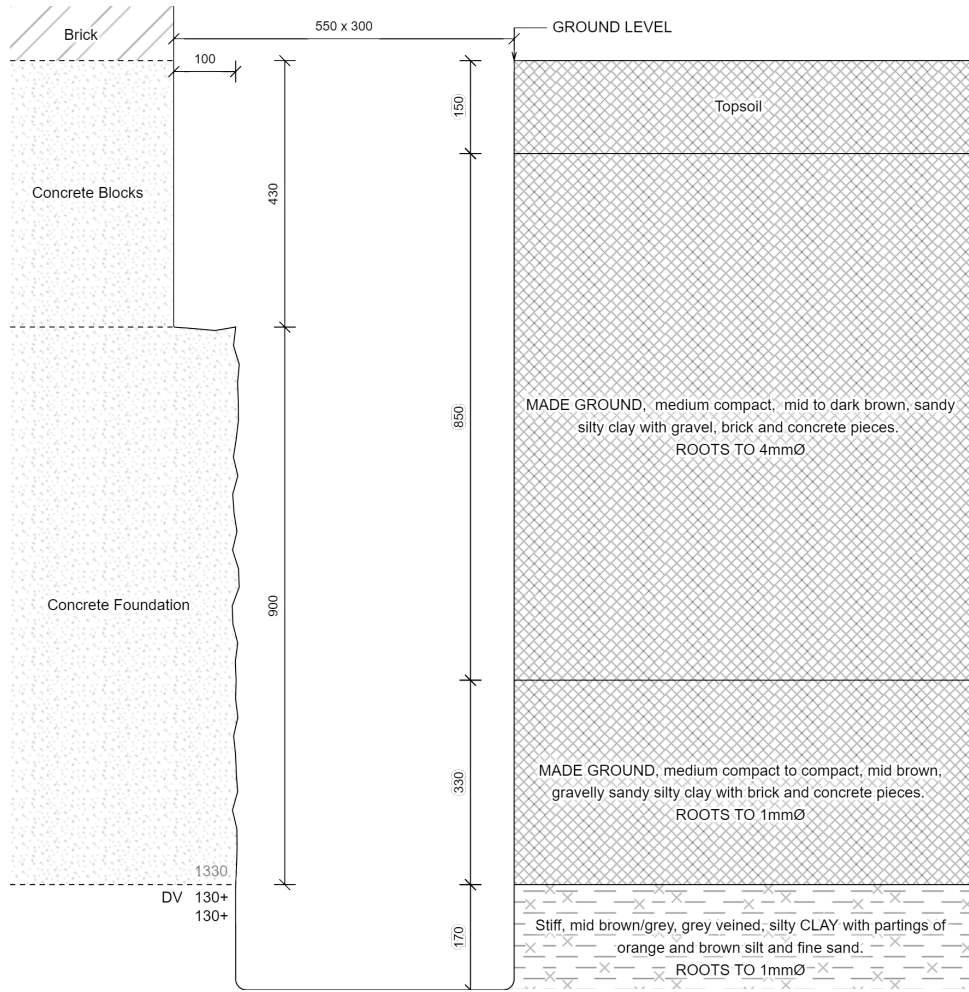
JOB NO: 772394

EXCAVATION METHOD: Hand tools

DATE: 14/10/2020

SITE: 95 Elm Grove

WEATHER: Dry



For Strata below 1500mm 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

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Report Format:

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Report version 1

Page 1 of 1

Borehole		2		Sheet:	1 of 1		Site:	95 Elm Grove			
Boring Method:		Hand Auger		Job No:	772394						
Diameter (mm):		75		Date:	14/10/2020						
Weather:		Dry		Ground Level:			Client:	Sedgwick International UK - Maidstone			
Depth	Soil Description						Thickness	Legend	Depth	Type	Result
(m)											
0.00	See Trial Pit						1.50				
1.50	Stiff mid brown/grey, grey veined sandy silty CLAY with partings of orange and brown silt and fine sand and gravel.						0.30	X - X	1.50	DV	130+
1.80	End of BH										
Remarks: BH ends at 1.8m, Gravel too dense to hand auger. BH dry and open on completion. No roots observed.							Key:			To	Max
							D - Disturbed Sample		Depth	Dia	
							B - Bulk Sample		(m)	(mm)	
							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				
Logged:	AC	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.				

Laboratory Summary Results

Our Ref : 772394
 Location : 95, Elm Grove, London
 Client: Sedgwick International UK - Maidstone
 Address: 4 North Court, South Park Business Village, Armstrong Road, ME15 6JZ

Date Sampled: 14/10/2020
 Date Received : 16/10/2020
 Date Tested : 16/10/2020
 Date of Report : 20/10/2020

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 (h)	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 0.18	D	58	<5	100	35	65	0.36	65	CE					57					
	1.0	D	16	36	Not suitable for atterberg testing- ENP															

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 CET 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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Our Ref : 772394

Laboratory Testing Results

Date Sampled : 14/10/2020

Location : 95, Elm Grove, London

Date Received : 16/10/2020

Client: Sedgwick International UK - Maidstone

Date Tested : 16/10/2020

Address: 4 North Court, South Park Business Village, Armstrong Road, ME15 6JZ

Date of Report : 20/10/2020

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 (h)	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]	
2	U/S 1.33	D	39	<5	88	33	55	0.11	55	CV					> 130					
	1.5	D	15	38	53	21	32	-0.19	20	CH					> 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 : 1981 : Figure 31 - 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 CET 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.

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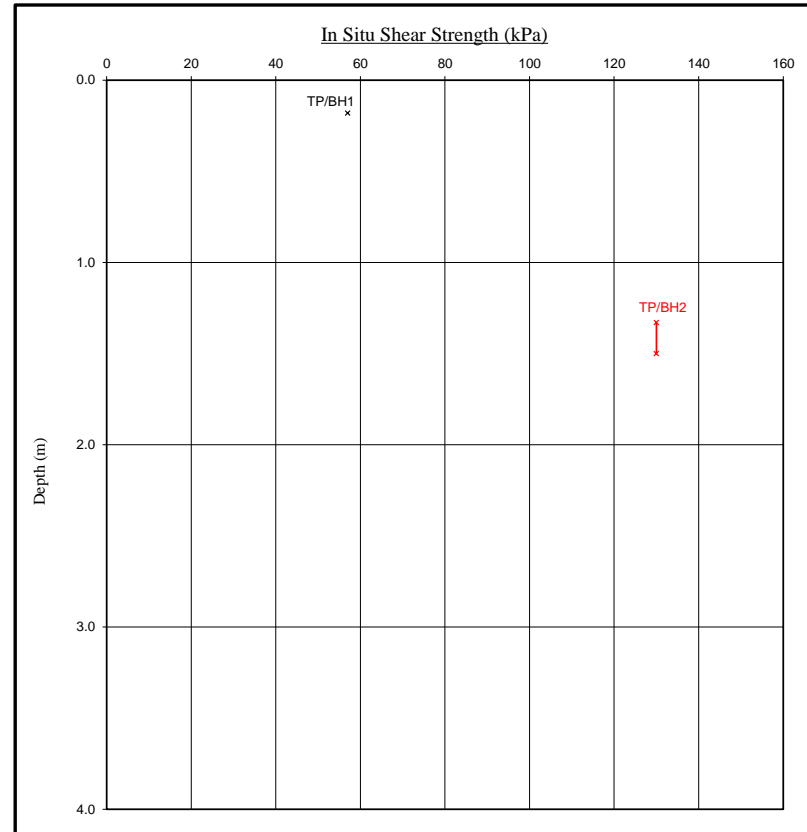
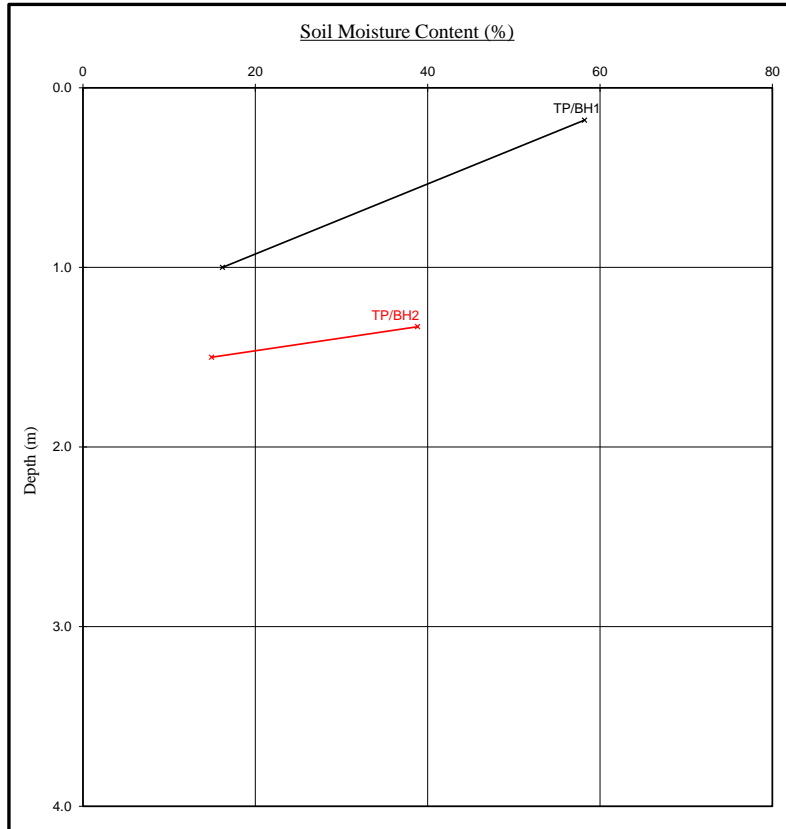


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Moisture Content Profiles

Our Ref : 772394
 Location : 95, Elm Grove, London
 Work carried out for: Sedgwick International UK - Maidstone

Date Sampled : 14/10/2020
 Date Received : 16/10/2020
 Date Tested : 16/10/2020
 Date of Report : 20/10/2020



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 CET using a Picon 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.

EPSL**European Plant Science Laboratory**

Sheet: 1 of 1

Job No: 772394

Date: 22/10/2020

Order No: 1613995

EPSL Ref: R38576

Site: 95 Elm Grove Road, SW13

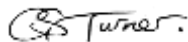
Work carried
out for: Sedgwick International UK***Certificate of Analysis***

The following work was commissioned by CET on behalf of their client. Root samples were obtained in sealed packets from the above site with no reference given as to the types of tree or shrub from which they may have originated.

The results were as follows -

<u>Trial pit/ Borehole number</u>	<u>Root diameter (mm)</u>	<u>Tree, shrub or climber from which root originates</u>	<u>Result of starch test</u>
TP1 (USF)	<1 mm	broadleaved species, too decayed for positive identification †	Negative
BH1 (to 0.8m)	<1 mm	too small and decayed for identification 2 roots	Negative
TP2 (USF)	<1 mm	broadleaved species, too decayed for positive identification † 2 roots	Negative

† It may be possible to include/discount species from the list of possibilities. Please contact the laboratory with a list of species on site if this would be useful.



GST

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Telephone: 01248 672 652

e-mail: lab@innovation-environmental.co.uk

Head of Laboratory Services : M D Mitchell B.Sc. (Hons), M.Phil.

Plant Anatomist : Dr G S Turner B.Sc. (Hons), M.Sc., Ph.D

Plant Anatomist : Dr R J Shaw B.Sc. (Hons), Ph.D

Consultant: Dr M P Denne B.Sc. (Hons), M.Sc., Ph.D

Registered in England. No 3256771, Registered Office: Yarmouth House, 1300 Parkway, Solent Business Park, Hampshire, PO15 7AE

Classification: General