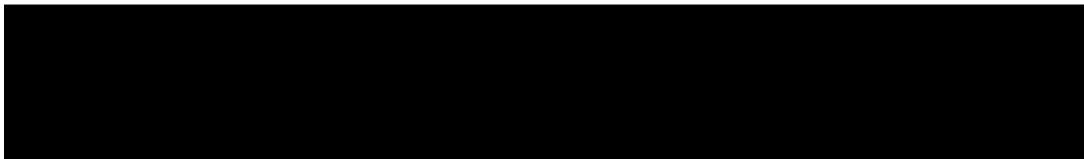


SITE INVESTIGATION FACTUAL REPORT

Report No: [REDACTED]
Client: Sedgwick International UK - Maidstone
Site: 54 Camden Square
Client Ref: [REDACTED]
Date of Visit: 28/11/18



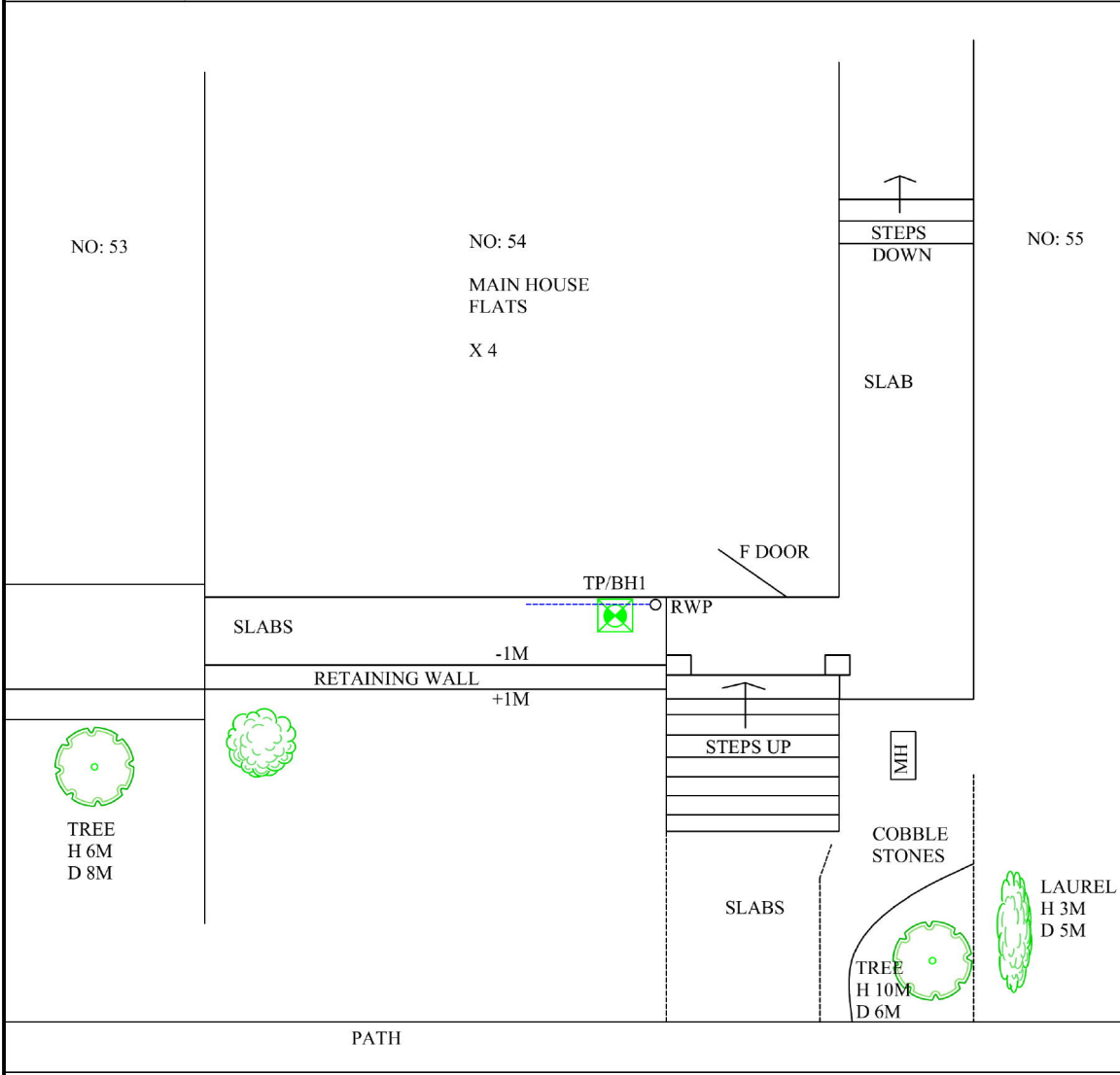
Investigation Layout Plan

Sheet: 1 of 1
 Job No: XXXXXXXXXX
 Date: 28/11/2018

Site: 54 Camden Square
 Work carried out for: Sedgwick International UK

MR (SI) SA (Checked) ANS (Drawn)

Weather: RAIN



CAMDEN SQUARE

ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

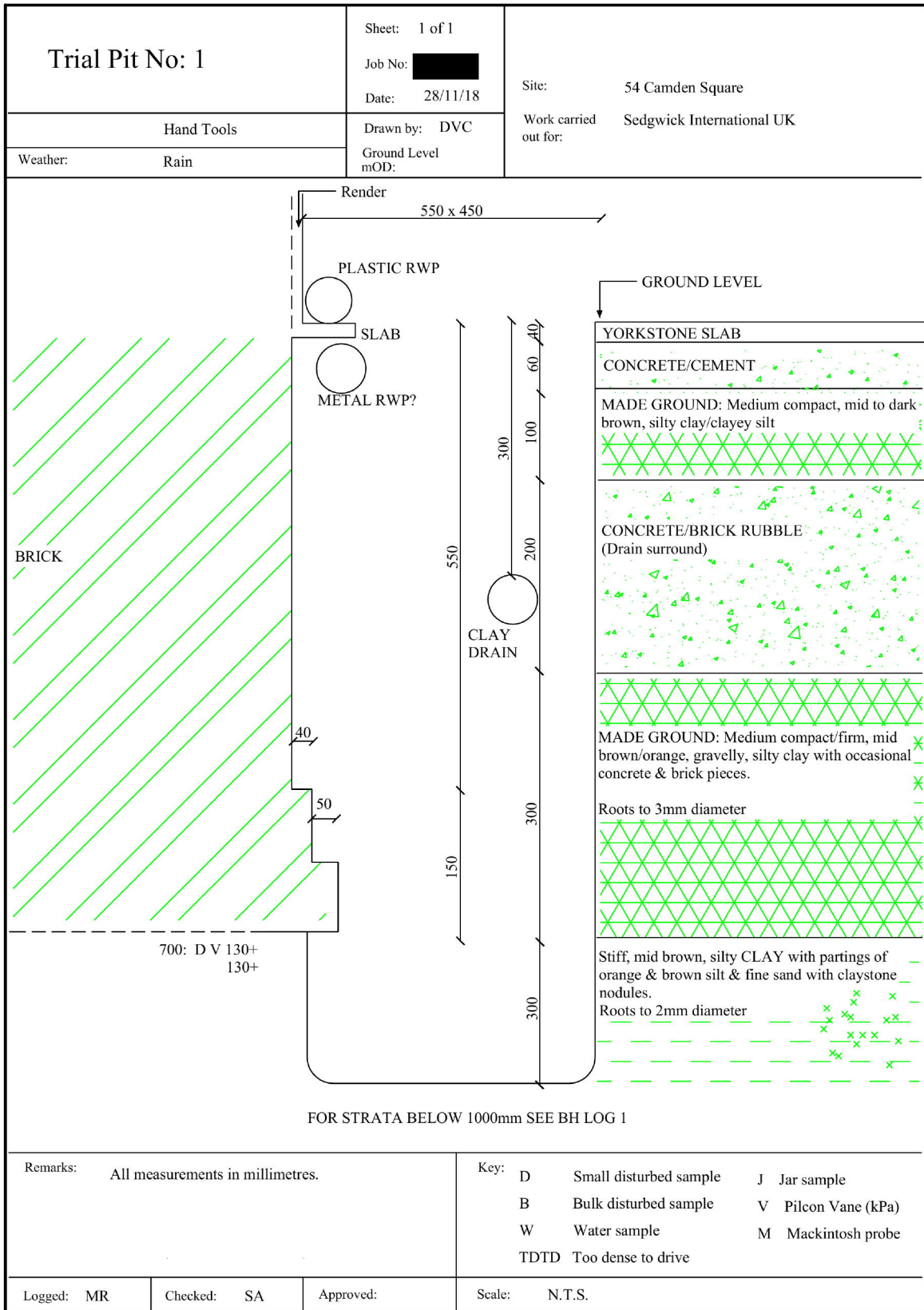
Remarks:

Unable to install datum as refusal in BH

Key:

Combined Gully	RWGG	Surface Water Drain	
Manhole	MH	Foul Water Drain	
Rain Water Pipe	RWP	Tree / Bush	
Rain Water Gulley	RWG	(approx. ht in m)	
Soil Vent Pipe	SVP	Trial Pit	
Waste Gulley	WG	Borehole	
Waste Pipe	WP	O/D - Open Discharge	

Scale: N.T.S.



Borehole		1	Sheet: 1 of 1	Site: 54 Camden Square		
			Job No: [REDACTED]			
			Date: 28/11/2018			
Boring Method:	Hand Auger	Ground Level:		Client: Sedgwick International UK - Maidstone		
Diameter (mm):	50	Weather:	rain			
Depth (m)	Soil Description	Thickness	Legend	Depth	Type	Result
0.00	See Trial Pit	1.00				
1.00	Stiff brown silty CLAY with partings of orange and brown silt and fine sand with claystone nodules	0.70	⊗ — ⊗	1.00	DV	130+
			⊗ — ⊗			130+
			⊗ — ⊗			
			⊗ — ⊗			
			⊗ — ⊗	1.50	DV	130+
			⊗ — ⊗			130+
1.70	End of BH					
Remarks: BH ends at 1.7m. Obstruction thought to be claystone. Too dense to hand auger. BH dry and open on completion, no roots observed below 1.5m below lightwell level.			Key: D - Disturbed Sample B - Bulk Sample W - Water Sample J - Jar Sample V - Pilcon Shear Vane (kPa) M - Mackintosh Probe TDTD - Too Dense To Drive		To Depth (m)	Max Dia (mm)
			Roots	1.50	fibrous	
			Roots			
			Depth to Water (m)			
Logged:	MR	SA	Checked:	Approved:	Version	V1.0 28/01/16
						N.T.S.

Laboratory Summary Results

Our Ref: [REDACTED]
 Location: 54, Camden Square, London
 Client: Sedgwick International UK - Maidstone
 Address: [REDACTED]

Date Sampled: 28/11/18
 Date Received: 29/11/18
 Date Tested: 29/11/18
 Date of Report: 09/12/18

TP/BH No	Sample Ref Depth (m)	Type	Moisture Content (%) [11]	Soil Fraction > 0.425mm (%) [2]	Liquid Limit (%) [3]	Plastic Limit (%) [4]	Plasticity Index (%) [5]	Liquidity Index [3]	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]
																		SO3 [14]	SO4 [15]	
1	U/S 0.70	D	24	<5	68	24	44	-0.01	44	CH	168	456			> 130					
	1.0	D	23	<5	71	25	46	-0.04	46	CV	168	655			> 130					
	1.5	D	23	<5	70	23	47	0.01	47	CV	168	790			> 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 5.2
- [5] BS 1377: Part 2: 1990, Test No 5.4
- [6] BRE Digest 240: 1993
- [7] BS 5930: 1991 - Figure 31 - Plasticity Chart for the classification of fine soils

- [8] In-house method S9a adapted from BRE IP 493
- [9] In-house Test Procedure S7c: One Dimensional Swell/Strain Test
- [10] Estimated Heave Potential (Dd)
- [11] Values of shear strength were determined in situ by CFT using a Prows hand vane or Gemeni vane (GV).
- [12] BS 1377: Part 1: 1990, Test No 4
- [13] BS 1377: Part 2: 1990, Test No 9
- [14] BS 1377: Part 1: 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.

Key

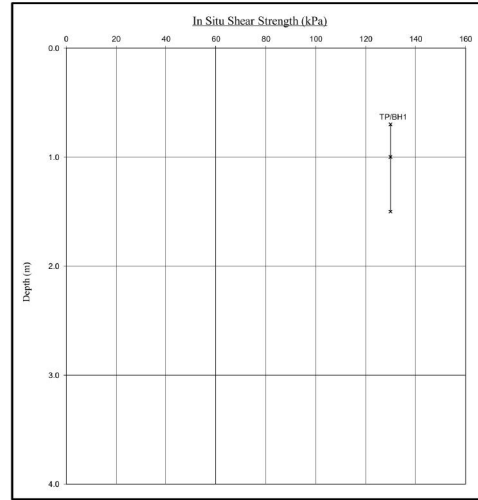
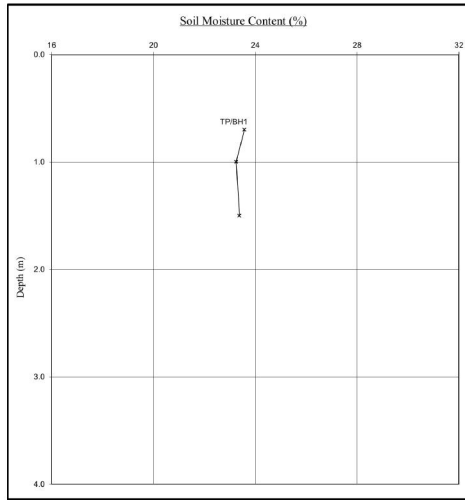
- D Disturbed sample (small)
- B Disturbed sample (bulk)
- U Undisturbed sample
- W Groundwater sample
- FNP Potentially Non-Pneum by Inspection
- US Underside of Foundation



Moisture Content Profiles

Our Ref: 549905
Location: 54, Camden Square, London
Work carried out for: Sedgwick International UK - Maidstone

Date Sampled: 28/11/18
Date Received: 29/11/18
Date Tested: 29/11/18
Date of Report: 09/12/18

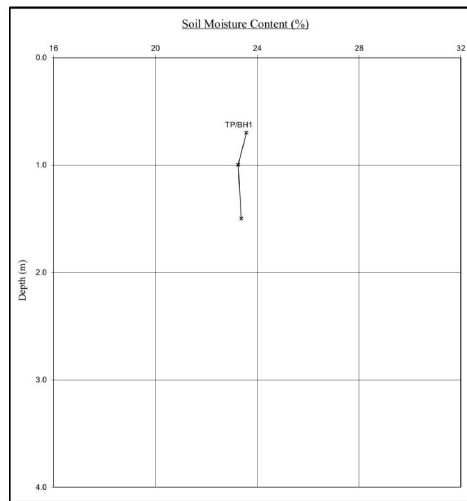


Notes
1. If plotted, $0.4 LL$ and $PL/2$ (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

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.

Moisture Content Profiles

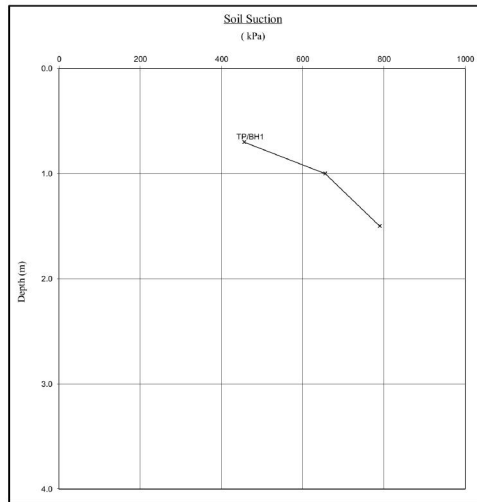
Our Ref: 549905
 Location: 54, Camden Square, London
 Work carried out for: Sedgwick International UK - Maidstone



Notes
 1. If plotted, $0.4LL$ 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: 28/11/18
 Date Received: 29/11/18
 Date Tested: 29/11/18
 Date of Report: 09/12/18



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.

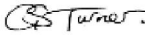
EPSL <i>European Plant Science Laboratory</i>	Sheet: 1 of 1	Site: 54 Camden Square, NW1
	Job No: 549905 Date: 06/12/2018 Order No: 1253451 EPSL Ref: R26670	Work carried out for: Sedgwick International UK

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)	2 mm	Pomoideae gp. 3 roots	Positive

Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.


 GST

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

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

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