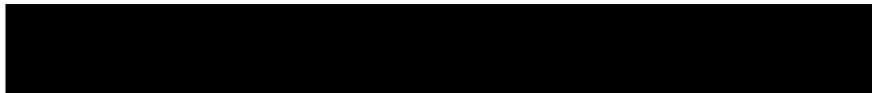


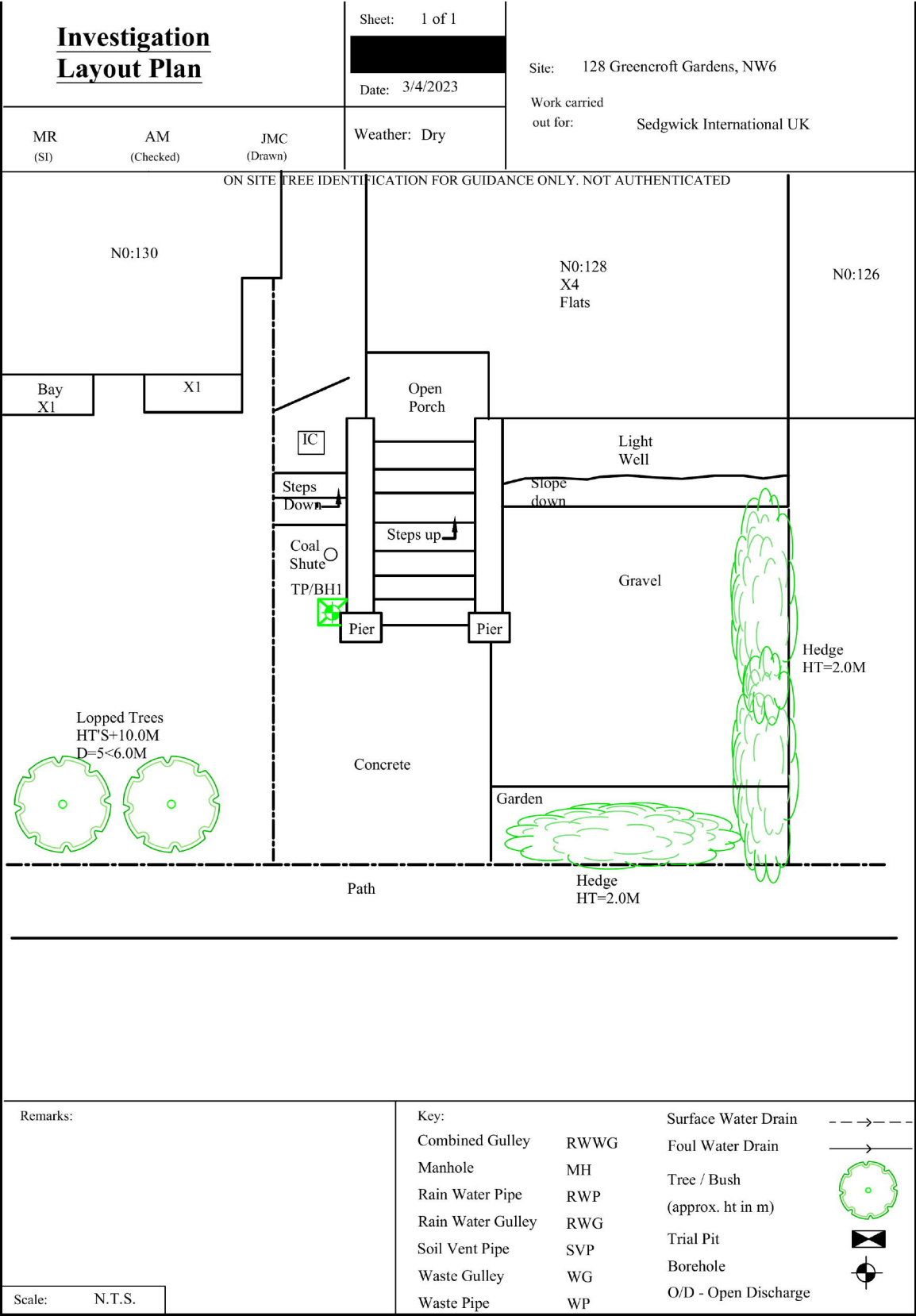
SITE INVESTIGATION FACTUAL REPORT

Report No: [REDACTED]
Client: Sedgwick International UK - Maidstone
Site: 128 Greencroft Gardens
Client Ref: [REDACTED]
Date of Visit: 3/4/2023



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





TEST REPORT: Trial Pit

REPORT NUMBER:

TRIAL PIT REF:

CLIENT: Sedgwick International UK

JOB NO:

EXCAVATION METHOD: Hand tools

DATE:

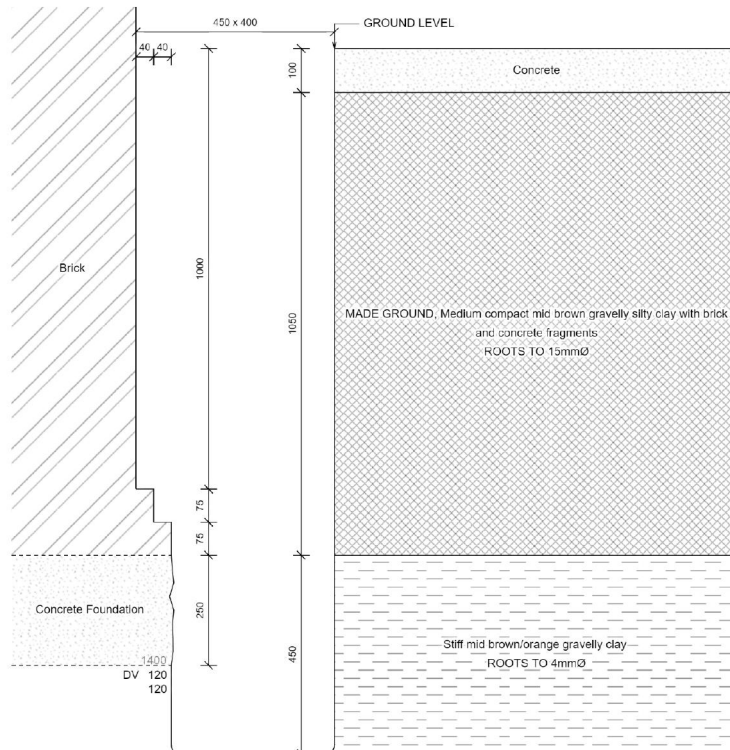
19/04/2023

SITE:

128 Greencroft Gardens

WEATHER:

Dry



For Strata below 1600mm see Bore Hole log

Original TP opened up to left hand side. TP excavated to 1150mm then extended to 1600mm with the aid of a hand auger. Curved steel pin driven 100mm under concrete foundation at 1400mm 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.
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
Scott Alger - Lab

Approved Signatory
Report date 19-Apr-23

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1

Page 1 of 1

Borehole	1		Sheet:	1 of 1	Site:	128 GREENCROFT GARDENS										
Boring Method:	Hand Auger		Job No:		Date:	03/04/2023	Client:	SEDGWICK INTERNATIONAL UK								
Diameter (mm):	75	Weather:	dry	Ground Level:												
Depth (m)										Soil Description	Thickness	Legend	Samples and Tests			
0.00	See Trial Pit									1.60		Depth	Type	Result		
1.60	Stiff grey veined brown CLAY with partings of orange and brown silt and fine sand.									2.10		2.00	DV	130+		
3.70	End of BH											2.50	DV	130+		
Remarks: Bh ends at 3.7m, unknown obstruction too dense to hand auger. BH dry and open on completion, no roots observed below 3.4m										Key: D - Disturbed Sample B - Bulk Sample W - Water Sample Roots J - Jar Sample Roots V - Pilon Shear Vane (kPa) Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive					To Depth (m)	Max Dia (mm)
Logged: MR AM Checked: Approved:										Version V1.0 28/01/16 N.T.S.					3.40	1



SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER:



CLIENT :

CET Property Assurance (Sedgwick International UK)

SITE:

128 Greencroft Gardens
London
NW6 3PJ

DATE OF SITE VISIT:

03/04/2023

DATE RECEIVED BY LABORATORY:

07/04/2023

Compiled by



C Major - Deputy Laboratory Manager

Approved by



L Marshall - Laboratory Manager

DATE REPORTED: 28-Apr-2023

Laboratory Summary Results

Our Ref: [REDACTED]

Location: 128 Greencroft Gardens

Client: CET Property Assurance (Sedowick International UK)

Address: [REDACTED]

Date Sampled: 03/04/2023

Date Received: 07/04/2023

Date Tested: 27/04/2023

Date of Report: 28/04/2023

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		* Class [16]
TP/BH No	Depth (m)																	SO ₃ (g/l) [14]	SO ₄ (mg/l) [15]	
1	U/S 1.40	D	20	53	71	27	44	-0.17	21	CV	Too gravelly									
	2.0	D	22	<5											> 130					
	2.5	D	25	<5	73	24	49	0.01	49	CV	7	1020			> 130					
	3.0	D	31	<5											> 130					
	3.5	D	31	<5	73	27	46	0.08	46	CV	7	816			> 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] BS 1377: Part 2: 1990, Test No 5.4

[7] BS 1377: Part 2: 1990, Test No 5.4

[8] BS 1377: Part 2: 1990, Test No 5.4

[9] BS 1377: Part 2: 1990, Test No 5.4

[10] BS 1377: Part 2: 1990, Test No 5.4

[11] BS 1377: Part 2: 1990, Test No 5.4

[12] BS 1377: Part 2: 1990, Test No 5.4

[13] BS 1377: Part 2: 1990, Test No 5.4

[14] BS 1377: Part 2: 1990, Test No 5.4

[15] BS 1377: Part 2: 1990, Test No 5.4

[16] BS 1377: Part 2: 1990, Test No 5.4

[1] Building Research Establishment Information Paper 4/93

[2] In accordance with BS 1377-5: 1990 - Clause 3

[3] Estimated Heave Potential (Dd)

[4] Values of shear strength were determined in situ by CTS using

a Picon hand vane or Ganes vane (CV)

[5] BS 1377: Part 3: 2018 - A: 2021 Clause 4 - Tested By CTS Leicester

[6] BS 1377: Part 3: 2018 - A: 2021 Clause 12 - Tested By CTS Leicester

[7] BS 1377: Part 3: 2018 - A: 2021 Clause 12 - Tested By CTS Leicester

[8] Sulphate content as SO₃ as required by BS 1377: Part 3: 1990 has been provided

for information purposes. Tested By CTS Leicester

[9] BS 1377: Part 3: 2018 - A: 2021 Clause 7.6 - Tested By CTS Leicester

[10] 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
US Underlain by Foundation



Test results reported relate only to the items tested.

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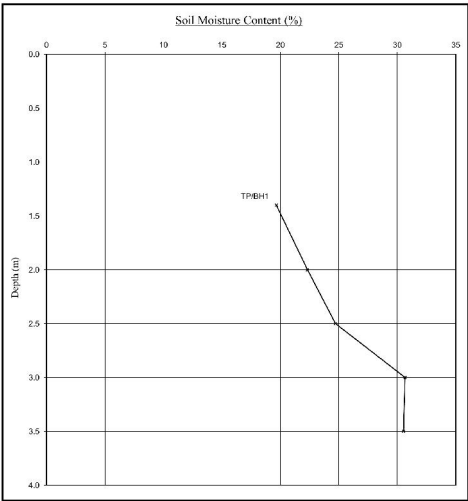
Opinions and interpretations expressed herein are outside of the scope of UKAS accreditation.

4161

Version: 5BH V3.8 - 17.03.2023

Moisture Content Profiles

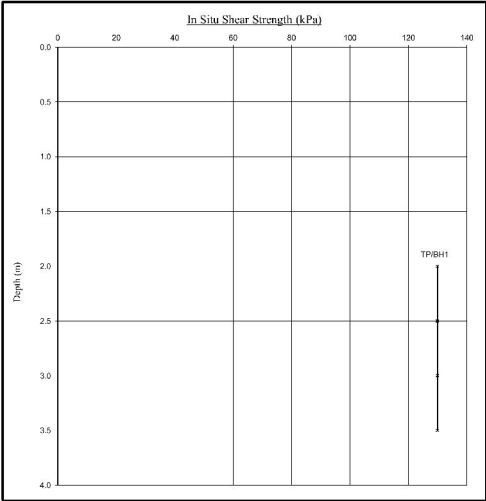
Our Ref : XXXXXXXXXX
Location : 128 Greencroft Gardens
Work carried out for: CET Property Assurance (Sedgwick International UK)



Note:
1. If plotted, 0.4 LL and $PI=2$ (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

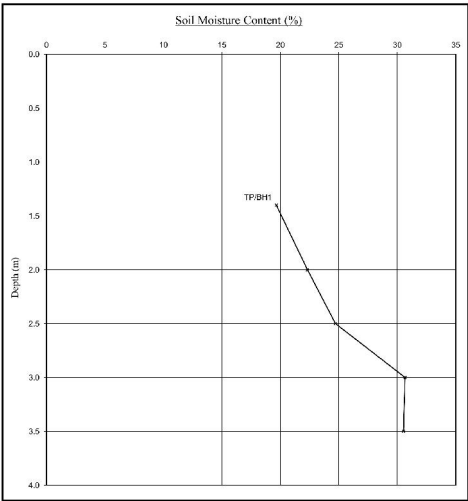
Date Sampled : 03/04/2023
Date Received : 07/04/2023
Date Tested : 27/04/2023
Date of Report : 28/04/2023



Note:
1. Unless otherwise stated, values of Shear Strength were determined in situ by CTS using a Picon Hand Vane the calibration of which is limited to a maximum reading of 150 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

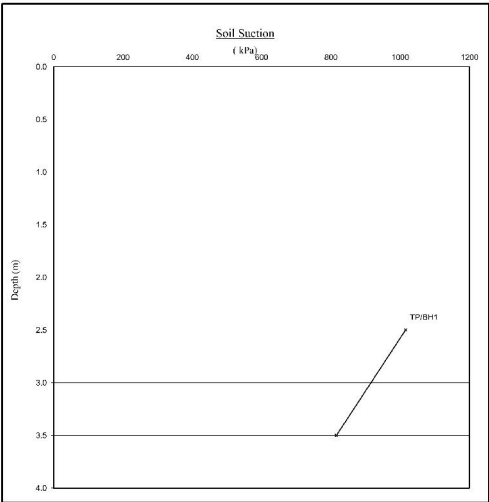
Our Ref : XXXXXXXXXX
Location : 128 Greencroft Gardens
Work carried out for: CET Property Assurance (Sedgwick International UK)



Notes
1. If plotted, $0.4 LL$ and $PI \times 2$ (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.

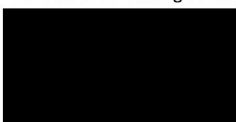
Soil Suction Profiles

Date Sampled : 03/04/2023
Date Received : 07/04/2023
Date Tested : 27/04/2023
Date of Report : 28/04/2023



Notes
When shown, the theoretical equilibrium suction profile are based on conventional assumptions associated with London Clay (and similarly overconsolidated clays) at shallow depths. Note that the sample disturbance component is dependent on the method of sampling and any subsequent recompression. The above plots show this to be 1000 Pa which is the value suggested by the BRE on the basis of their limited number of tests on recompressed samples. This may or may not be appropriate in this instance and judgement should be exercised.

Construction Testing Solutions



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ROOT IDENTIFICATION

128 Greencroft Gardens,

Client Reference:

Report Date:

21 April 2023

Our Ref:

Sub Sample	Species Identified		Root Diameter	Starch
TP1:				
USF	<i>Tilia</i> spp.	1	2 mm	Abundant
USF	<i>Hedera</i> or <i>Fatsia</i> spp.		1 mm	Absent
BH1:				
to 3.4m	<i>Tilia</i> spp.	2	1 mm	Abundant

Comments:

1 - Plus 2 others also identified as *Tilia* spp.

2 - Plus 3 others also identified as *Tilia* spp.

Tilia spp. are limes.

Hedera spp. include ivy; *Fatsia* spp. are shrubs closely related to ivy.

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.