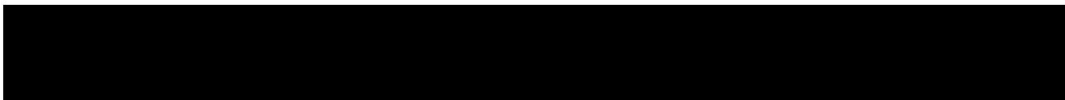


SITE INVESTIGATION FACTUAL REPORT

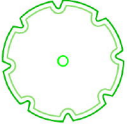
Report No: [REDACTED]
Client: Crawford Claims Management
Site: 119 Torriano Avenue
Client Ref: [REDACTED]
Date of Visit: 13/05/19



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




<h1>Drainage Layout Plan</h1>		Sheet: 1 of 1 Job No: XXXXXXXXXX Date: 13/05/2019	Site: 119 Torriano Ave Work carried out for: Crawford Claims MGMT SUS
		PS (SI) (Checked)	CFT (Drawn)

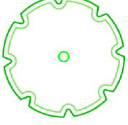


TREE
H 3M
D 9M

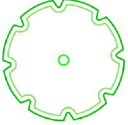
SOIL / WEEDS
SHRUBS



TREE
H 6M
D 2.2M



TREE
H 7M
D 5M



TREE
H 7M
D 5M

BRICK WALL 1M

IVY ALL AROUND THE HOUSE

SOIL/WEEDS SHRUBS

+ STEP 100MM +

TILES
150 x 150 MM

RWG1

↓

↓

↓

2

4.1

+ STEPS
800MM

TP/BH1

5.5

DRAIN REPAIR RECOMMENDATIONS

Remarks: RWG1 HAS NO SWAN NECK IT HAS 2X 40MM HOLES EACH SIDE. ONE GOES UNDER THE PROPERTY THE OTHER IS JUST A HOLE. CANNOT CCTV 40MM PIPE AS CAMERA IS TOO BIG

Scale: N.T.S.

Parking:

Power:

Water:

Approx age:

Surface Water Drain - - - - ->

Foul Water Drain - - - - ->

TEST REPORT: Trial Pit

REPORT NUMBER: [REDACTED]

TRIAL PIT REF: TP1

CLIENT: Crawford & Co

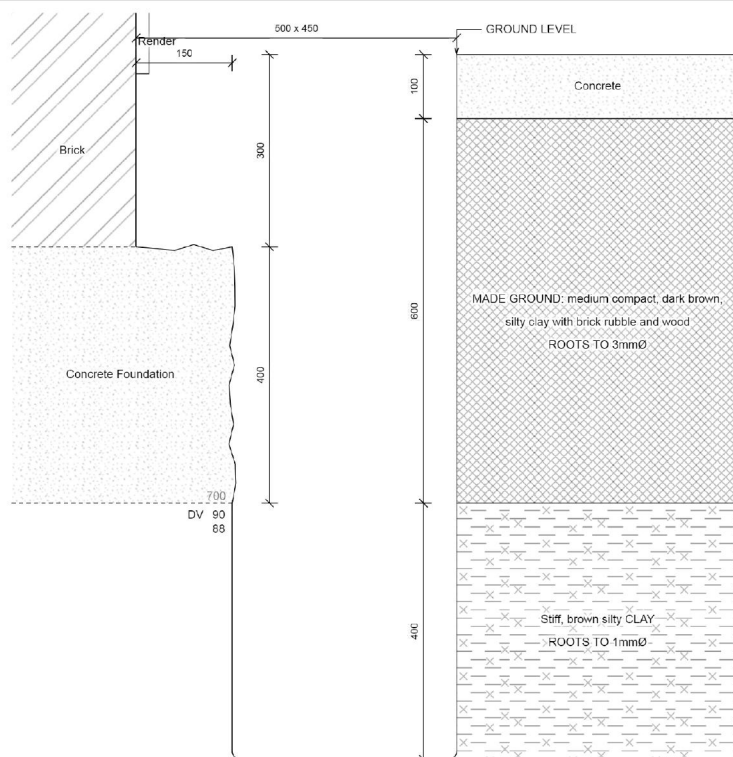
JOB NO: [REDACTED]

EXCAVATION METHOD: Hand tools

DATE: 21/05/2019

SITE: 119 Torriano Avenue, NWS 2RX

WEATHER: Dry



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:

For and on behalf of CET
Sophie Cahalane - Admin Assistant

Report Format:

Approved Signatory
21-May-19

[REDACTED]

[REDACTED]

[REDACTED]

Borehole		1	Sheet: 1 of 1 Job No: Date: 13/05/2019 Ground Level:		Site: 119 Torriano Avenue Client: Crawford Claims Management
Boring Method:	Hand Auger				
Diameter (mm):	75	Weather:	Dry		
Depth	Soil Description				Thickness Legend Depth Type Result
(m)					
0.00	See Trial Pit				1.10
1.10	Stiff orange-brown silty CLAY				0.40
1.50	Very stiff orange-brown silty CLAY with crystals				0.40
1.90	Very stiff orange-brown silty CLAY with claystone nodules and crystals				1.10
3.00	End of BH				
Remarks: BH ends at 3m. BH dry and open on completion. No roots observed below 2.3m.					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 Max Depth Dia (m) (mm) 2.30 1
Logged:	AH	PS	Checked:	Approved:	Version V1.0 28/01/16 N.T.S.

Laboratory Summary Results

Our Ref: XXXXXXXXXX
 Location: 119 Torriano Avenue, NW5
 Client: Crawford Claims Management
 Address: XX

Date Sampled: 13/05/19
 Date Received: 20/05/19
 Date Tested: 24/05/19
 Date of Report: 31/05/19

TP/BIH No	Sample Ref Depth (m)	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]
																		SO3 [14]	SO4 [15]	
1	U/S 0.70	D	29	<5	78	26	52	0.06	52	CV					91					
	1.5	D	25	<5											> 140					
	2.0	D	31	<5	81	28	53	0.05	53	CV					> 140					
	2.5	D	31	<5											> 140					
	3.0	D	30	<5	82	29	53	0.03	53	CV					> 140					

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: 2008: Figure 8 - Plasticity Chart for the classification of fine soils.

[8] In-house method S96 adapted from BRE IP 450

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

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CET using a Pileon hand vane or Geotest 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 sulphur 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
 US Underside of Foundation

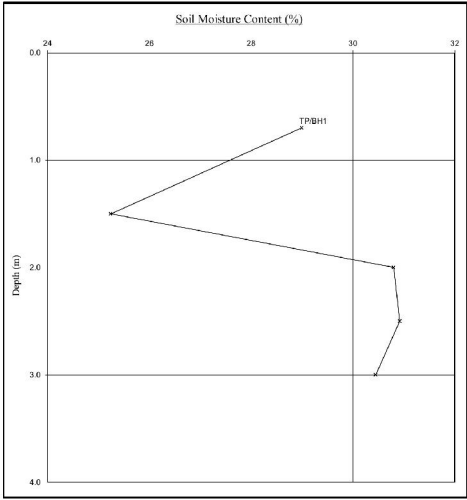


Version: SBH V1.6 - 26.02.19

8618

Moisture Content Profiles

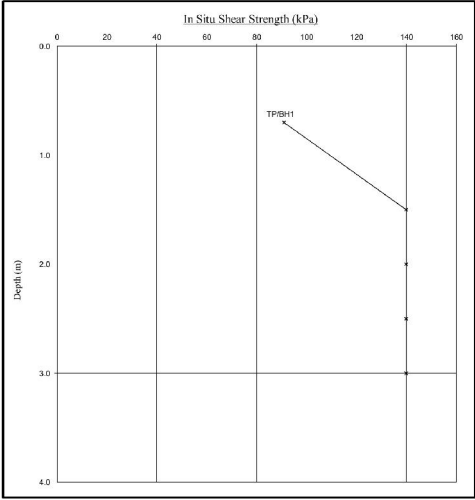
Our Ref: [redacted]
Location : 119 Torriono Avenue, NWS
Work carried out for: Crawford Claims Management



Notes
1. If plotted, C_u and P_l (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 : 13/05/19
Date Received : 20/05/19
Date Tested : 24/05/19
Date of Report : 31/05/19



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

EPSL <i>European Plant Science Laboratory</i>	Sheet: 1 of 1	Site: 119 Torriano Avenue,
	Job No: [REDACTED]	Work carried out for: Crawford Claims MGMT SUS
	Date: 18/06/2019	
	[REDACTED]	

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	Fraxinus spp. 2 roots	Positive
BH1 (2.3m)	<1 mm	Fraxinus spp.	Positive
BH1 (2.3m)	1 mm	probably Prunus spp. but possibly Pomoideae gp. *	Positive

* In poor condition, lacking bark.

Fraxinus spp. include common ash.

Prunus spp. include blackthorn, cherry, cherry-laurel, Portuguese laurel, peach and plums.

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



MDM

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