

SITE INVESTIGATION **FACTUAL REPORT**

Report No: 546359

Client: Crawford Claims Management

Site: 33 Langbourne Avenue

Client Ref:

Date of Visit: 12/11/18





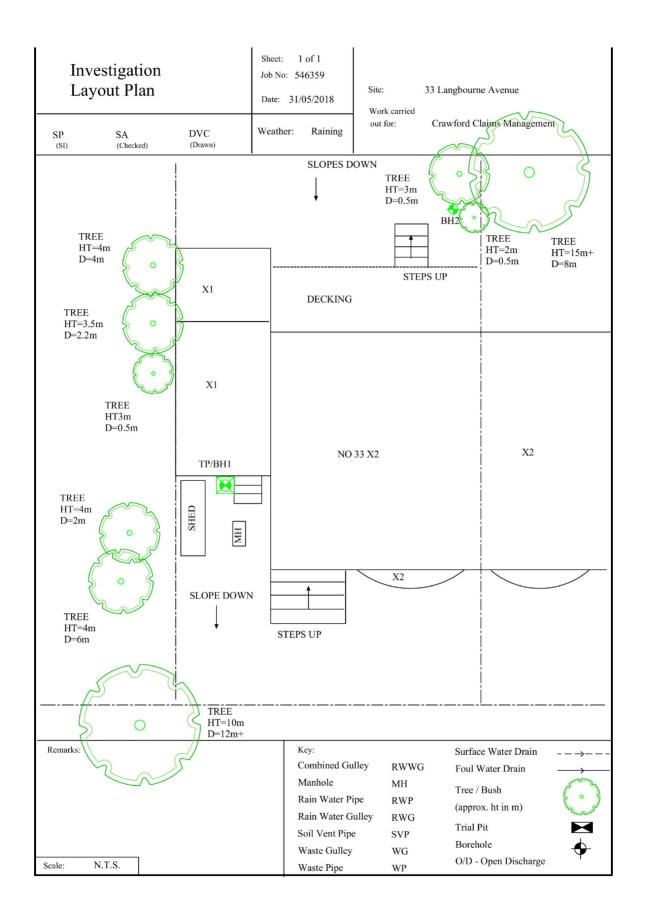














TEST REPORT: Trial Pit

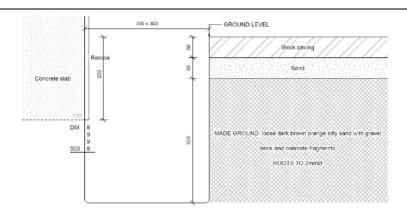
REPORT NUMBER: C948472 / 54464.1.1.1

TRIAL PIT REF: DATE: 12/11/2018

CLIENT: Crawford & Co SITE: 33 Langbourne Avenue, N6 6PS

JOB NO: 546359 WEATHER:

EXCAVATION METHOD: Hand tools



For Strata below 400mm see Bore Hole log

Key: D

Small disturbed sample J Jar sample Bulk disturbed sample V Pilcon vane (kPa) W Water sample M Mackintosh probe

TDTD Too dense to drive

Remarks: Amended report. This test report supersedes test report version 1 For and on behalf of CET Steve Lumley - Regional Manger

Approved Signatory 22-Nov-18

Report Format:

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Ι.	Davak	مام	4		Sheet:	1 of 1	Site:	33 Langboo	ırne Aver	nue		
l ,	Boreh	ioie	1		Job No:	546359						
					Date:	12/11/2018	- 20					
Boring N		Hand Auger		T.	Ground Level:		Client:	Crawford C	laims Ma	nageme	nt	
Diamete	r (mm):	75	Weather:	dry						•	o • 1 0000000000000000000000000000000000	
Depth				Soil Description							oles and	
(m)								Thickness	Legend	Depth	Туре	Result
0.00	See Trial	Pit						0.40				
	MADEG	ROUND loose	dark brown :	silty sand with gravel and	brick fragments			0.10	****			
0.50	MADEG	ROUND soft b	rown silty sa	ndy clay with gravel and	brick fragments	i		0.50	****	0.50	DM	8
									***			9
									****			7
									***			9
									$\times\!\!\times\!\!\times$			
1.00	Stiff orai	nge-brown silt	y CLAY					0.30	× ×	1.00	DV	102
									××			98
L	<u></u>								××			
1.30	Very stif	f orange-brow	n silty CLAY	-				1.70	×			
	1								××			
	1								××	1.50	DV	140+
									××			140+
									××			
									××			
									×			
									×x	2.00	DV	140+
									××			140+
									×x			
									××			
									××			
									×x	2.50	DV	140+
									×x			140+
									×			
									×			
									×x			
3.00				End of BH						3.00	DV	140+
												140+
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
	1							1				
Remarks						Key:					То	Max
		dry and open o	n completion	,no roots observed below	2.0m.	D - Disturbed Sa	mple				Depth	Dia
						B - Bulk Sample					(m)	(mm)
						W - Water Samp	ole	Roots			2.00	4.5
						J - Jar Sample		Roots				
						V - Pilcon Shear	Vane (kPa					
						M - Mackintosh		Depth to V	Vater (m)			
						TDTD - Too Den			(111)			
Logged:		SP	SA	Checked:	Approved:		V1.0 28/0	1.0			N.T.S.	
00-71		77777										

					Sheet		1 of 1	Site:	33 Langbo	urne Aver	nue		
E	Borel	nole	2		Job No Date:	D:	546359 12/11/2018						
Boring M		Hand Auger	-	-		d Level:		Client:	Crawford (Claims Ma	nageme	ent	
Diameter	(mm):	75	Weather:	dry									
Depth				Soil Descri	ption							ples and	
(m)									Thickness	Legend	Depth	Туре	Result
			um compact	brown silty sandy	clay with ocas	ssional gra	vel and brick		0.80	8888			
1	fragmer	nts								8888			

										****	0.50	DM	30
									0	****			31
0.00	C+:((L CLAY						0.00	<u> </u>			24
0.80	Stiff ora	nge-brown sil	ty CLAY						0.60	×			28
										×	1.00	D)/	- 00
										×	1.00	DV	80 78
										×			/8
										<u>*</u> ×			
1.40	Von: c+:	ff orango bra-	un cilty CLAN	·					0.60	^x		_	
1.40	very stil	ff orange-brov	wii siity CLA'	ı					0.60	<u>~-×</u>	1.50	DV	140+
										^-×	1.30	- JV	140+
										× ×			140+
										<u>~-×</u>			
										<u>* - ×</u>			
2.00	Stiff ora	nge-brown sil	ty CLAY						1.00		2.00	DV	108
2.00	otili ora	inge brown sii	ity CLAT						1.00	~ -	2.00		110
										<u>*</u> *			
										××			
										××			
										××	2.50	DV	104
										××			108
										××			
										××			
										××			
3.00				End of	ВН						3.00	DV	116
													116
													2000
Remarks:							Key:					То	Max
BH ends a	it 3m.BH	ary and open	on completio	n,no roots observed	pelow 1.7m.		D - Disturbed Sa	mple				Depth	Dia
							B - Bulk Sample		_			(m)	(mm)
							W - Water Samp	ole	Roots			1.00	4
							J - Jar Sample		Roots			1.70	1
							V - Pilcon Shear					<u> </u>	
							M - Mackintosh		Depth to V	vater (m)			J
lass-1		CD	Ic A	Charles	A		TDTD - Too Den					NTC	
Logged:		SP	SA	Checked:	Appro	vea:	Version	V1.0 28/0	T/ Tp			N.T.S.	

Laboratory Summary Results

546359 12/11/18 Our Ref: Date Sampled: 33, Langbourne Avenue, London Crawford Claims Management 13/11/18 Location : Date Received: 13/11/18 Client: Date Tested: Address: Cartwright House, Tottle Road, Riverside Business Park, NG2 1RU Date of Report :

TP/BH No	Sample Ref Depth (m)	Туре	Moisture Content	Soil Fraction > 0.425mm	Liquid Limit	Plastic Limit	Plasticity Index	Index	Modified * Plasticity Index	Soil * Class	Filter Paper Contact Time	Soil Sample Suction	Oedometer Strain	Estimated Heave Potential (Dd)	In situ * Shear Vane Strength	0.0000117110	pH * Value	Sulphate (g	(1) 80 ₄	* Class
			(%) [1]	(%) [2]	(%)/37	(%)[4]	(%)/57	[5]	(%)[6]	[7]	(h)	(kPa) [8]	[9]	(mm)[10]	(kPa) [11]	(%)[12]	[13]	[14]	[15]	[16]
1	U/S 0.20	D	12	92	1	Not suitab	le for furtl	ı ner testinş	g - ENP											
	0.5	D	21	35		nsufficier	it sample f	or further	testing											i l
	1.0	D	34	<5							168	126			100					
	1.5	D	29	<5	80	23	57	0.10	57	CV	168	292			> 140					
	2.0	D	35	<5							168	179			> 140					
	2.5	D	36	<5							168	157			> 140					i I
	3.0	D	35	<5	85	25	60	0.16	60	CV	168	184			> 140					

Test Methods / Notes

(I) IS 1377- Per 2: 1990, Test No. 3.2

[2] Estimated 1² + 50, collectivis instanced

[3] IS 1377- Per 2: 1990, Test No. 4.4

[4] IS 1377- Per 2: 1990, Test No. 5.3

[5] IS 1377- Per 2: 1990, Test No. 5.4

[6] IS 1377- Per 2: 1990, Test No. 5.4

[6] IS 1377- Per 2: 1990, Test No. 5.4

[7] IS 1379- 1991

[7] IS 5991- 1991

[7] Its Josean Enatled SNn adapted from BRELIP 4-90
79 In-Security Texture State Sta



Version: 5BH V1.5 - 26.06.18

Laboratory Testing Results

Our Ref: 546359 Date Sampled: 12/11/18 Location: 33, Langbourne Avenue, London Date Received: 13/11/18 Crawford Claims Management
Cartwright House, Tottle Road, Riverside Business Park, NG2 1RU Client: Date Tested: 13/11/18 Address: Date of Report : 21/11/18

Sa	ample Ref.		Moisture	Soil	Liquid	Plastic	Plasticity	Liquidity *	Modified *	Soil *	Filter Paper	Soil	Oedometer	Estimated	In situ *	Organic *	pH *	Sulphate	Content *	*
TP/BH	Depth	Type	Content	Fraction	Limit	Limit	Index	Index	Plasticity	Class	Contact	Sample	Strain	Heave	Shear Vane	Content	Value	(g		Class
No.	(m)	ı		> 0.425mm					Index	-	Time	Suction		Potential (Dd)	Strength			so ₃	so ₄	
${oxdotag}$		\vdash	(%) [1]	(%) [2]	(%)[3]	(%)[4]	(%)[5]	[5]	(%)[6]	[7]	(h)	(kPa) [8]	[9]	(mm)[10]	(kPa) [11]	(%)[12]	[13]	[14]	[15]	[16]
ıı															L					i
BH2	0.5	D	20	16	65	24	41	-0.10	35	CH	Not su	itable for	suction tes	ting-made g	round					ĺ
	1.0	D	34	<5							168	135			79					İ
	1.5	D	25	<5	75	25	50	0.00	50	CV	168	351			> 140					
	2.0	D	32	<5							168	229			109					
	2.5	D	35	<5							168	157			106					
	3.0	D	38	<5	87	29	58	0.16	58	CV	168	175			116					İ
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Test McHoods / Notes:
[17] 185 1377 : Part 2 : 1990, Test No 3.2
[27] Edinated 16 : "Sh. (otherwise measured
[27] Edinated 16 : "Sh. (otherwise measured
[27] Edinated 16 : "Sh. (otherwise measured
[27] 186 1377 : Part 2 : 1990, Test No 4.4
[27] 186 1377 : Part 2 : 1990, Test No 5.3
[28] 186 : 1970 : 1990, Test No 5.4
[28] 188 : 1980 : 188 : Figure 31 - Plansiciny Chart for the class
of fine soils.

1/3 is house mitted. We adopted from 18th IP 4'50

[10] is beause Teat Procedure 51 in: One Dimensional Swell Strain Teat

[10] is Stammat Hower Potential (DA)

[11] Values of shear strength were determined in sits by CET using

a Piloon hand varie or Geometriane (GV).

[12] IS 1377: Pen 2 i 1900, Teak his 9

[13] IS 1377: Pen 2 i 1900, Teak his 9

[14] IS 1377: Pen 3 i 1900, Teak his 5

[15] SO₁ − 1.2 x SO₁

[16] SO₂ − 1.2 x SO₂

* These tests are not UKAS accredited
Full reports can be provided upon request

Version: 5BH V1.5 - 26.06.18

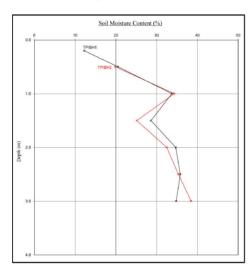


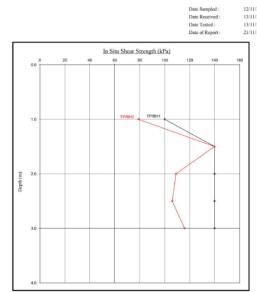
 $CET\ Structures\ Ltd-CET\ Property\ Assurance\ Division-Lawness\ Barns,\ Mountnessing\ Road,\ Billericay,\ Essex\ CM12\ 0TS$

Moisture Content Profiles

Shear Strength Profiles

Our Ref: 546359
Location: 33, Langbourne Avenue, London
Work carried out for: Crawford Claims Management





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.

Notes

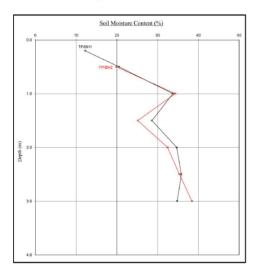
1. If Polond, 0.4 LL and PL-2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated city) as dullow depths.

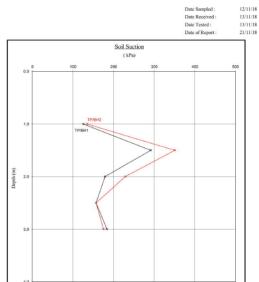
2. Unless specifically noted the profiles have not been related to a site dature.

Moisture Content Profiles

Soil Suction Profiles

Our Ref: 546359
Location: 33, Langbourne Avenue, London
Work carried out for: Crawford Claims Management





- Notes

 1. If planted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to Lendon Clay (and similarly overconsolidated clay) as adults depths.

 2. Likes specifically noted the profiles have not been related to a site dature.

EPSL

European Plant Science Laboratory

Sheet: 1 of 1

Site: 33 Langbourne Avenue,

Job No: 546359
Date: 16/11/2018
Order No: 1239080

8 Work carried

out for: Crawford Claims MGMT SUS

EPSL Ref: R26018

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 -

Trial pit/ Borehole <u>number</u>	Root diameter (mm)	Tree, shrub or climber from which root originates	Result of starch test
TP1 (USF)	2 mm	Syringa spp. or related shrub species 4 roots	Positive
BH1 (to 2m)	1.5 mm	Quercus spp. 3 roots	Positive
BH2 (1-1.7m)	1 mm	Probably Ceanothus spp. *	Negative
BH2 (1-1.7m)	1 mm	broadleaved species, too decayed for positive identification	Negative
BH2 (1-1.7m)	<1 mm	broadleaved species, too juvenile for positive identification \dagger 2 roots	Positive

^{*} In poor condition.

Syringa spp. are lilacs. Related species include privet, jasmines and forsythia.

Quercus spp. are oaks (both deciduous and evergreen).

Ceanothus spp. are common garden shrubs (Californian lilacs).

† 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.

MDM

Address for correspondence: EPSL, Intec, Parc Menai, Bangor, Gwynedd, North Wales, LL57 4FG

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

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