

SITE INVESTIGATION **FACTUAL REPORT**

Report No: 546359

Client: Crawford Claims Management

Site: 33 Langbourne Avenue

Client Ref:

Date of Visit: 12/11/18





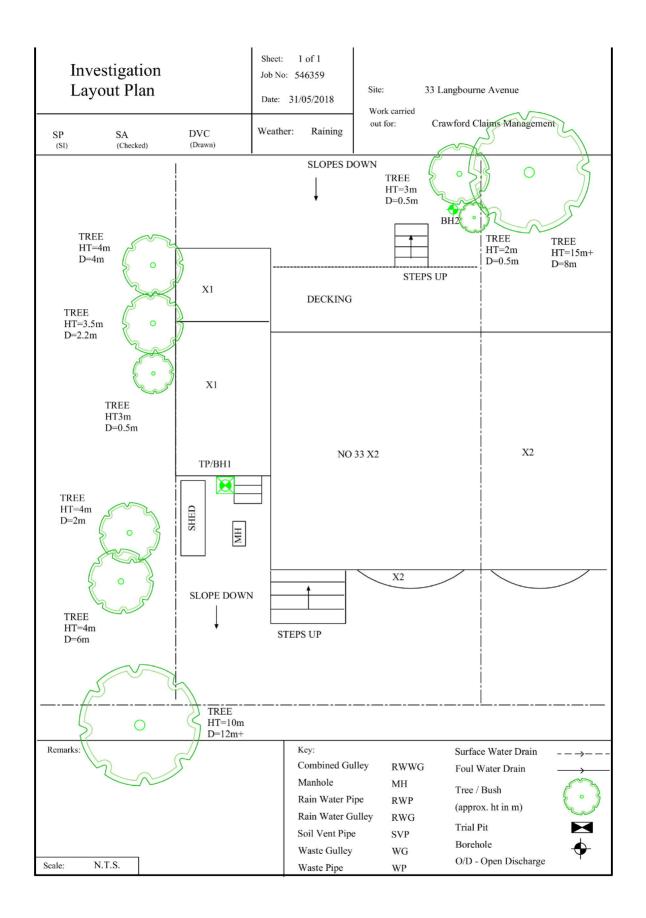














TEST REPORT: Trial Pit

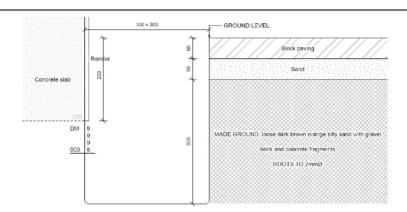
REPORT NUMBER: C948472 / 54464.1.1.1

TRIAL PIT REF: TP1 DATE: 12/11/2018

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

JOB NO: 546359 WEATHER: Dry

EXCAVATION METHOD: Hand tools



For Strata below 400mm see Bore Hole log

Key: D

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:
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:

				1	La			22.1				
l ,	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	d 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
l									××			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				
Remarks						Key:					То	Max
		dry and open o	n completion	,no roots observed below	2.0m.	D - Disturbed Sa	ample				Depth	Dia
						B - Bulk Sample					(m)	(mm)
						W - Water Samp		Roots			2.00	4.5
						J - Jar Sample		Roots				
						V - Pilcon Shear	Vane (kPa					
						M - Mackintosh		Depth to V	Vater (m)			
						TDTD - Too Den			()			
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		
	Borel	nole	2		Job No:	546359						
Boring N	lethod:	Hand Auger		1	Date: Ground Level:	12/11/2018	Client	Crawford (laime Ma	nageme	ant	
Diamete		75	Weather:	dry	Ground Leven.	-	Client.	Clawiolu	LIAIIIIS IVIO	mageme	enc.	
Depth	<u> </u>	1		Soil Descri	ption					Sam	ples and	Tests
(m)					• 2000000400			Thickness	Legend	Depth		Result
	MADEG	ROUND medi	um compact	brown silty sandy	clay with ocassional gr	avel and brick		0.80	XXXXX	•		
3-3-03-3-3-3	fragmer			, , , , , , , , , , , , , , , , , , , ,	,				****			

									****	0.50	DM	30
									****			31
									****			24
0.80	Stiff ora	nge-brown sil	ty CLAY					0.60	××			28
									××			
									×	1.00	DV	80
									××			78
									××			
									×			
1.40	Very stif	ff orange-brov	wn silty CLA	Y				0.60	×			
									××	1.50	DV	140+
									××			140+
									<u>××</u>			
									<u>*</u> ×			
									*×			
2.00	Stiff ora	nge-brown sil	ty CLAY					1.00	×	2.00	DV	108
									×			110
									×			
									<u>~-×</u>			
									×	2.50	DV	104
									<u>~ ×</u>	2.30		108
									x			100
									××			
									××			
3.00				End of	3H				^	3.00	DV	116
												116
											_	
										<u> </u>		
Remarks						Key:		I			To	Max
		dry and open	on completio	n,no roots observed	below 1.7m.	D - Disturbed Sa	mnle				Depth	Dia
		, open		,		B - Bulk Sample					(m)	(mm)
						W - Water Sample		Roots			1.00	4
						J - Jar Sample		Roots			1.70	1
						V - Pilcon Shear	Vane (kPa				<u> </u>	
						M - Mackintosh		Depth to V	Vater (m)			
						TDTD - Too Den			, ,			•
Logged:		SP	SA	Checked:	Approved:		V1.0 28/0				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	ample Ref Depth (m)	Туре	Moisture Content	Soil Fraction > 0.425mm (%) [2]	Liquid Limit (%)/3/	Plastic Limit	Plasticity Index (%)/5/	Liquidity * Index	Modified * Plasticity Index	Soil * Class	Filter Paper Contact Time	Soil Sample Suction	Oedometer Strain	Estimated Heave Potential (Dd)	In situ * Shear Vane Strength	Organic * Content (%)[12]	pH * Value	Sulphate (g: 503	(1) 80 ₄	* Class
			(70) /2/	(70) [2]	(10)151	(20)/2/	(20)121	121	(%)[6]	171	(h)	(kPa) [8]	[9]	(mm)[10]	(KI a) /11/	(76)[22]	(13)	1241	[15]	[10]
1	U/S 0.20	D	12	92	1	Not suitab	ole for furt	ner testing	g - ENP											
	0.5	D	21	35	1	Insufficier	nt sample i	or further	testing											
	1.0	D	34	<5							168	126			100					İ
	1.5	D	29	<5	80	23	57	0.10	57	CV	168	292			> 140					İ
	2.0	D	35	<5							168	179			> 140					İ
	2.5	D	36	<5							168	157			> 140					İ
	3.0	D	35	<5	85	25	60	0.16	60	CV	168	184			> 140					İ
																				İ
																				İ

Test Methods / Notes

If JR 5877: Pen 2: 1990, Tes No. 3.2

[JJ 861877: Pen 2: 1990, Tes No. 3.2

JJ 861877: Pen 2: 1990, Tes No. 4.4

42 1861 197: Pen 2: 1990, Tes No. 5.3

JJ 1861377: Pen 2: 1990, Tes No. 5.3

JJ 1861377: Pen 2: 1990, Tes No. 5.4

469 IRED Dipics 269: 1999

TY 185 3991: 1981: Tigure 31 - Plansicity Chart for the classification of fice soils.

[8] In-house trathed 59s udapted from BRELP 493
[9] In-house Test Procedure 517s: One Dimensional Swell/Strain Test
[16] Estimated Howe Potential (DM)
[11] Values of short strength were determined in site by CET using



Version: 5BH V1.5 - 26.06.18

Laboratory Testing Results

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

	ample Ref.		Moisture	Soil	Liquid	Plastic	Plasticity		Modified *	Soil *	Filter Paper	Soil	Oedometer	Estimated	In situ *	Organic *	pH *	Sulphate		*
ГР/ВН	Depth	Type	Content	Fraction	Limit	Limit	Index	Index	Plasticity	Class	Contact	Sample	Strain	Heave	Shear Vane	Content	Value	(g		Clas
No.	(m)		(%) [1]	> 0.425mm (%) /2/	(%)[3]	(%)/4]	(%)/57	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (Dd) (mm)[10]	Strength (kPa) [11]	(%)/127	[13]	so ₃ /14/	so ₄ [15]	/1
\neg																				П
3H2	0.5	D	20	16	65	24	41	-0.10	35	СН	Not su	uitable for	suction tes	ting-made g	round					l
	1.0	D	34	<5							168	135			79					
	1.5	D	25	<5	75	25	50	0.00	50	CV	168	351			> 140					
	2.0	D	32	<5							168	229			109					ĺ
	2.5	D	35	<5							168	157			106					ĺ
	3.0	D	38	<5	87	29	58	0.16	58	CV	168	175			116					ĺ
																				ĺ
																				ĺ
																				ĺ
																				l
																				l
																				l
																				ĺ

Jest Michods / Notes 1/J 18 1877; Part 2: 1980, Tes No. 3.2 (2) Estimated 16° 50; Mercise insusand 1/J 18 1377; Part 2: 1980, Tes No. 5.3 1/J 18 1377; Part 2: 1980, Tes No. 5.3 1/J 18 1377; Part 2: 1990, Tes No. 5.3 1/J 18 1377; Part 2: 1990, Tes No. 5.4 1/J 18 1379; Part 2: 1990, Tes No. 5.4 1/J 18 1399; Part 1: 1/J 18 1399; Part 1990; Part

546359

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

Version: 5BH V1.5 - 26.06.18

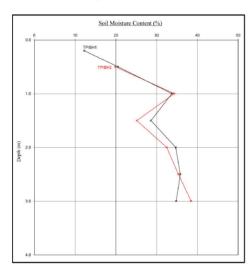


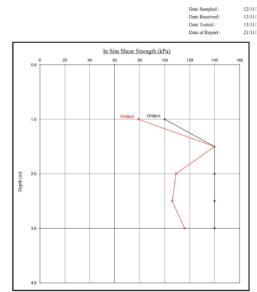
12/11/18

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

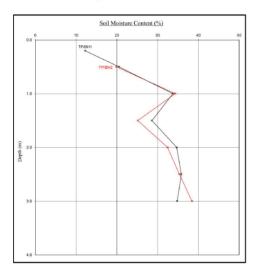
1. If Polond, 0.4 LL and PL-2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated city) as dullow depths.

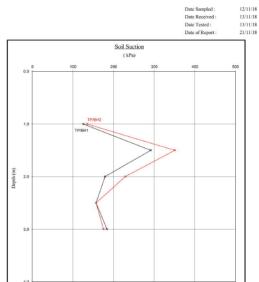
2. Unless specifically noted the profiles have not been related to a site dature.

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: Order No:

16/11/2018

Work carried

Crawford Claims MGMT SUS out for:

EPSL Ref:

Certificate of Analysis

The following work was commissioned by CET on behalf of their client. Root samples were obtained in scaled 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 (<u>mm</u>)	Tree, shrub or climber from which root originates	Result of starch test
TPI (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



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.