

SITE INVESTIGATION **FACTUAL REPORT**

Report No:

Client: Crawford Claims Management

Site: 9 Willoughby Road

Client Ref:

Date of Visit: 07/05/2020





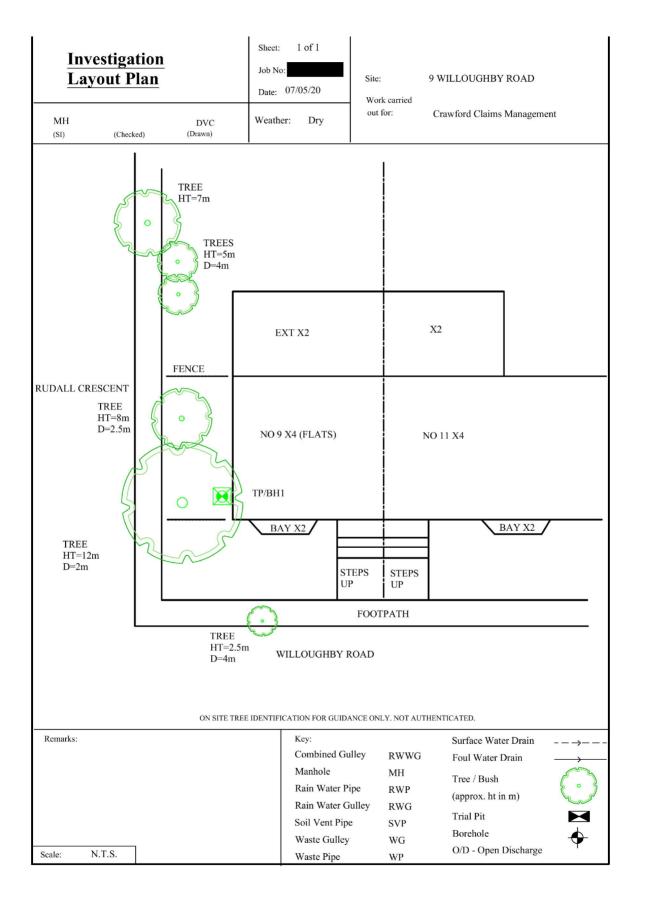












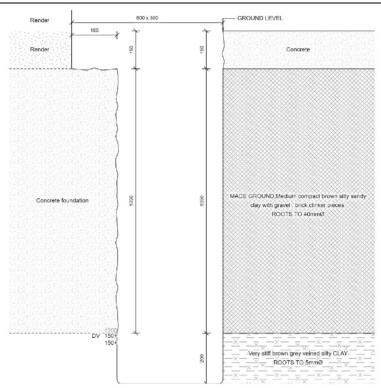


TEST REPORT: Trial Pit

REPORT NUMBER:

TRIAL PIT REF: DATE: 07/05/2020 CLIENT: Crawford & Co SITE: 9 Willoughby Road JOB NO: WEATHER:

EXCAVATION METHOD: Hand tools



For Strata below 1400mm see Bore Hole log

Key: D

Small disturbed sample J Jar sample В Bulk disturbed sample V Pilcon vane (kPa) 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.

For and on behalf of CET Scott Alger - Lab





Approved Signatory 07-May-20



Report version 1

					Sheet:	1 of 1	Site:	9 Willough	by Road			
	Boreh	iole	1		Job No:							
					Date:	07/05/2020						
Boring N		Rotary Auger			Ground Level:		Client:	Crawford (claims Ma	nageme	ent	
Diamete	r (mm):	100	Weather:	dry								
Depth				Soil Description				Processors and			ples and	
(m)								Thickness	Legend	Depth	Туре	Result
0.00	See Trial	Pit						1.40				
											_	
												-
1.40	Very stiff	brown-grey v	eined silty C	CLAY				1.10	××			
		u - , .	,						××	1.50	D	
									××			
									××			
								1	××			
									× ×			
									× ×	2.00	DV	130+
									× — ×			130+
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									××			
								2007 / 1000	× — ×			
2.50	Very stiff	brown-grey v	eined silty s	andy CLAY				0.50	××	2.50	D	
									× x			
3.00				End of BH					× — ×	3.00	DV	130+
3.00				Eliu OI Bri						3.00	DV	130+
												1301
								1				
								1				
								1				
								L		l		
Remarks		day and once	on completi-	on no roots observed bel	2.0m	Key:					To	Max
on enas	ac s.um.Bi	n ury and open	on completic	on,no roots observed below	z.om.	D - Disturbed Sa	mple				Depth	Dia
						B - Bulk Sample	do	Poot-			(m) 2.00	(mm) 1
						W - Water Samp J - Jar Sample	ле	Roots Roots			2.00	1
						V - Pilcon Shear	Vane (LD-					
						M - Mackintosh		Depth to V	Vater (m)			
						TDTD - Too Den			(111)			
Logged:		IC	SA	Checked:	Approved:		V1.0 28/0				N.T.S.	

Laboratory Summary Results

Our Ref : Date Sampled: 9 Willoughby Road Crawford Claims Management Location: 12/05/2020 Client: Address: Date Tested : Date of Report : 12/05/2020 12/05/2020 19/05/2020

Address.														Date of Ice	eperer		2010	012020			
I	TP/BH	ample Ref Depth	Туре	Moisture Content	Soil Fraction	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity	Soil * Class	Filter Paper Contact	Soil Sample	Oedometer Strain	Estimated * Heave	In situ * Shear Vane	Organic * Content	pH * Value	(g.		Class
l	No	(m)		(%) [1]	> 0.425mm (%) [2]	(%)[3]	(%)[4]	(%)[5]	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (mm)[10]	Strength (kPa) [11]	(%)[12]	[13]	903 [14]	804 [13]	[16]
ĺ																					
ı	1	U/S 1.20	D	21	<5	58	19	39	0.05	39	CH	168	766			150	i				
ı		1.5	D	21	<5							168	615								
ı		2.0	D	22	<5	46	22	24	0.00	24	CI	168	280			130					
ı		2.5	D	24	<5							168	173								
ı		3.0	D	28	<5	55	27	28	0.03	28	СН	168	128			130					
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Test. Mcthads / Nates.
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1/2 Test mounted of 5%, observative measured
1/3 Sel 3177 - Part 2: 1990, Test No. 4.4
1/4 No. 1177 - Part 2: 1990, Test No. 5.1
1/4 No. 1177 - Part 2: 1990, Test No. 5.3
1/4 No. 1177 - Part 2: 1990, Test No. 5.4
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1/4

[3] In-house method SNa adapted from ISRE IP 443

[3] In-house Test Procedure S17a: One Dimensional Swell-Nerain Test

[10] Telimental Mater Protential

[11] Values of shorts strength were determined in situ by CET using

| Fill | Values of short strength were determined a Pilion hand some or Grount vane (GV). |
| Fill |

[16] BRF. Special Digest One (Centrele in Aggressive Ground) August 2006
Note that if the SAG content fills into the D8-4 or D8-5 class, it would be routed to content the sample as falling into the D8-5 db. To D8-5 db.
class respectively unless water valiable magnetisms testing is undertaken.

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

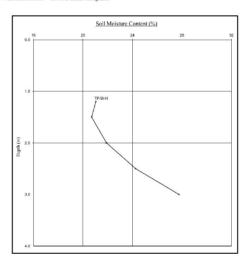


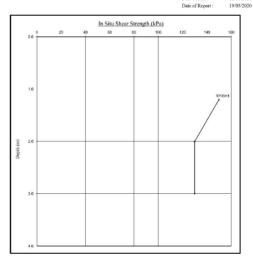
Version: 5BH V1.1 - 13.01.2020

Moisture Content Profiles

Shear Strength Profiles

Our Ref:
Location: 9 Willoughby Road
Work carried out for: Crawford Claims Managemen





Notes

I. If plotted, 0.4 LL and 91 = 2 (after Driscoll, 1983) should only be applied to Lendon Clay (and similarly overconsolidated city) at hallow depths.

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

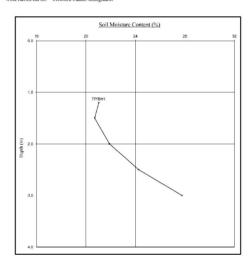
Unless otherwise stated, values of Shear Streagth were determined in situ.

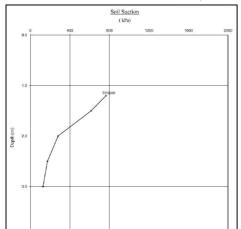
CET using a Pilcon Hand Vane the calibration of which is limited to
a maximum reading of 140 kPa.

Moisture Content Profiles

Soil Suction Profiles

Our Ref :
Location : 9 Willoughby Road
Work carried out for Countred Chine Management





Nexes.
If plotted, 0.4 LL and PL=2 (after Drixcoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
Ly thiss secrifically noted the profiles have not been related to a site clatum.

Note. When shown, the theoretical equilibrium suction profiles are bused on conventional manuspions associated with Lundon Clay and similarly own consolidated clays) at hallow depth. Note that the sample disturbances correspons is dependent or the method of unestignia and may absoquent recompanior. The above joilt should be in the value magnetist by the IBET on the basis of their limited number of rests on.

	Sheet:	1 of 1		
EPSL	Job No:		Site:	9 Willoughby Raod,
European Plant Science Laboratory	Date: Order No	14/05/2020	Work carried out for:	Crawford Claims MGMT SUS
	EPSL Re	f:		

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 (<u>mm</u>)	Tree, shrub or climber from which root originates	Result of starch test			
TP1 (USF)	4 mm	Fraxinus spp. 3 roots	Positive			
BH1 (to 2m)	1.5 mm	Fraxinus spp.	Positive			

Fraxinus spp. include common ash.

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