

SITE INVESTIGATION **FACTUAL REPORT**

Report No:

Client: Crawford Claims Management

Site: 94 Greencroft Gardens

Client Ref:

Date of Visit: 22/05/2019





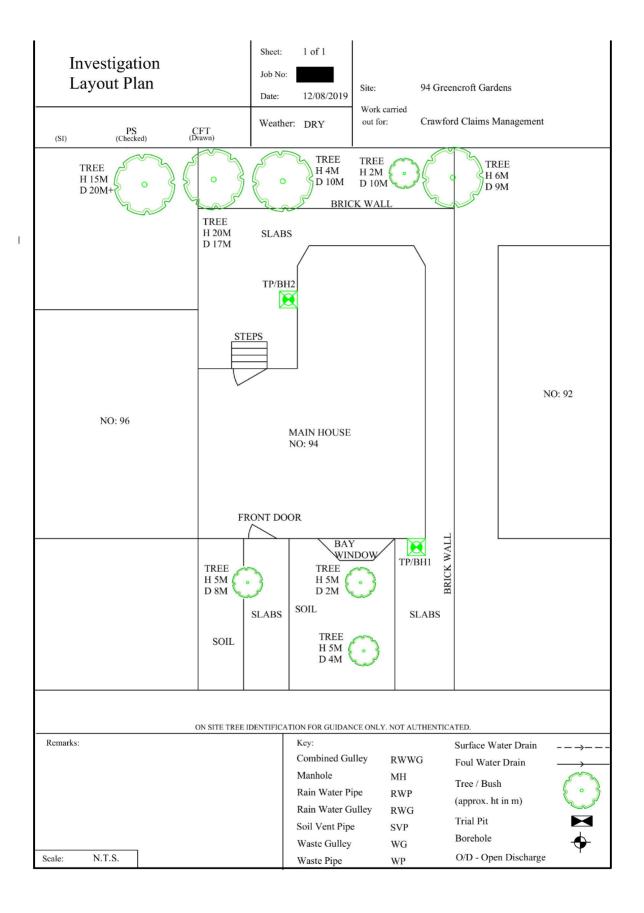


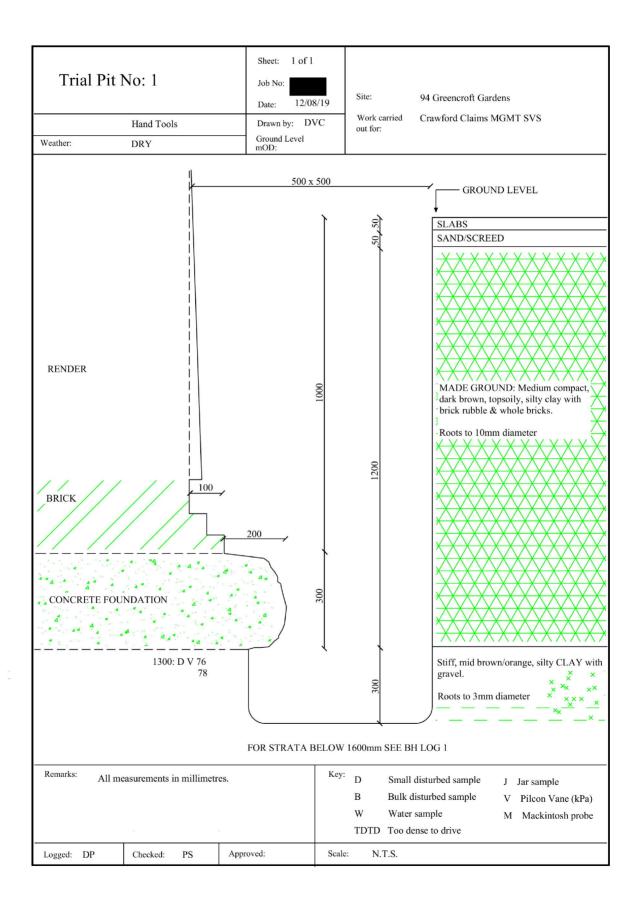




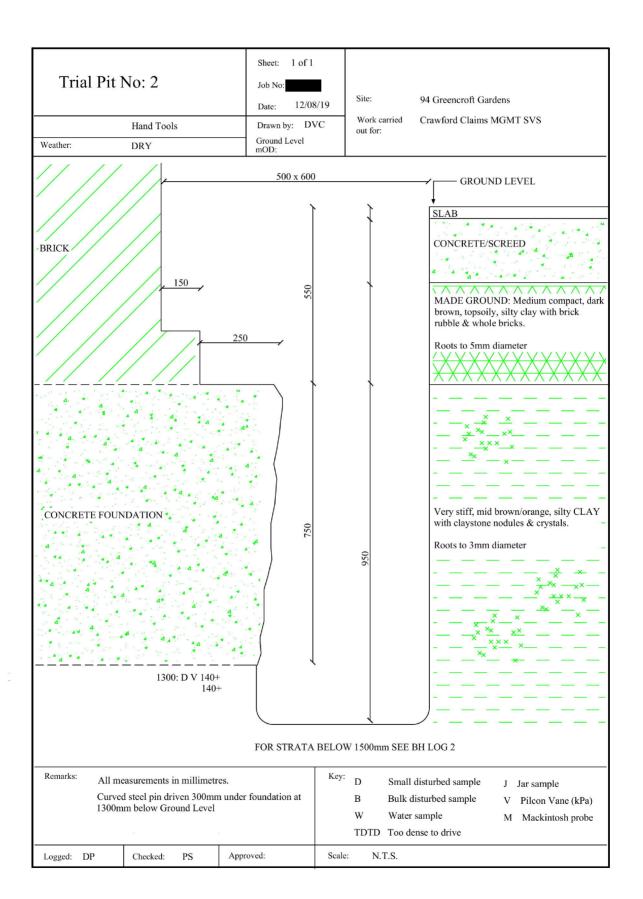








	Borel	nole	1		Sheet: Job No:	1 of 1	Site:	94 Greenc	roft Garde	ens		
			-		Date:	12/08/2019						
Boring M Diamete		Hand Auger 75	Weather:	dry	Ground Level:		Client:	Crawford (Claims Ma	inageme	ent	
Depth	\	13	weather.	Soil Description						Sam	ples and	d Tests
(m)				Jon Description				Thickness	Legend		_	
	See Trial	l Pit						1.60	Legena	Берин	.,,,,	Hesun
										-		
1.60	Stiff ora	nge-brown silt	y CLAY with	gravel				0.40	× — ×			
									××			
									<u>~ - ×</u>			
2.00	Stiff ora	nge-brown silt	u CLAV					0.40	× ×	2.00	DV	120
2.00	Juli Orai	ige-prown sin	y CLAT					0.40	*×	2.00	DV	124
									×_×			12.
									× ×			
2.40				End of BH								
										_		
											_	_
										<u> </u>		
Remarks:						Key:					То	Max
		Water strike at	2m, unable to	extract samples through	water , water	D - Disturbed Sa	ample				Depth	Dia
				r at 2.2m on completion.		B - Bulk Sample					(m)	(mm)
						W - Water Sam		Roots			2.40	1
						J - Jar Sample		Roots				
						V - Pilcon Shear	Vane (kPa	Roots				
						M - Mackintosh		Depth to V	Vater (m)		2.20]
Vana and a service			1	I	1.	TDTD - Too Den						
ogged:		DP	PS	Checked:	Approved:	Version	V1.0 28/0	1/16			N.T.S.	



					Sheet:	1 of 1	Site:	94 Greence	oft Garde	ens		
l l	Boreh	ole	2		Job No:	40/00/0040						
Boring M	lethod:	Hand Auger			Date: Ground Level:	12/08/2019	Client	Crawford C	laims Ma	nageme	nt	
Diamete		75	Weather:	dry	Jordana zeren		Ciletit.	Clawlold	Jannis IVIA	nageme		
Depth		1 100000		Soil Description						Sam	ples and	Tests
(m)								Thickness	Legend	Depth	Туре	Result
0.00	See Trial	Pit						1.50				
1.50	Very stiff	orange-bro	wn silty CLAY	with claystone nodules a	ind crystals.			2.20	× — ×	1.50	DV	140+
									× — ×			140+
									××			
									<u>~ - ×</u>			
									× — ×	2.00	DV	140+
									<u>x _ x</u>	2.00	DV	140+
									<u>x _ x</u>			1101
									××			
									××			
									× ×	2.50	DV	140+
									× ×			140+
									× ×			
									× — ×			
									× — ×			
									× — ×	3.00	DV	140+
									× ×			140+
									× — ×			
									<u>* - ×</u>			
									×_×	3.50	DV	140+
									××			140+
3.70				End of BH								
emarks:						Key:					То	Max
			to hand auger	. BH dry and open on comp	oletion. No roots	D - Disturbed Sa					Depth	Dia
userved	l below 2n	1.				B - Bulk Sample					(m)	(mm)
						W - Water Sam	ole	Roots			2.00	1
						J - Jar Sample		Roots				
								04				
						V - Pilcon Shear			lakes ! '			
							Probe	Depth to W	/ater (m)			

Laboratory Summary Results

Date Sampled: 22/05/2019 94 Greencroft Gardens 15/08/2019 Date Tested : Date of Report : Client: Address: Crawford Claims Managemen 16/08/2019 23/08/2019

titil C.																isute of rec				000 201
P/BH		Туре	Moisture Content	Soil Fraction	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity	Soil 9 Class	Filter Paper Contact	Soil Sample	Oedometer Strain	Estimated Heave	Shear Vane	Organic * Content	pH * Value	Sulphate (g		Class
No	(m)		(%) [1]	> 0,425mm (%) [2]	(%)/3/	(%)/4/	(%)[5]	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (Dd) (mm){10f	Strength (kPa) [11]	(%)/12/	[13]	503 [14]	[15]	/16
ī	U/S 1.30	D	38	7	77	28	49	0.20	45	CV	168	43.8			77					
•	2.0	D	40	<5				0.20			168	28.1			122					
	200,000	****	00000	2028								and the same								
													l .	l						

Test Michols / Notes

1/8 88 1972 - Bord 2: 1990, Test No. 5.2

1/8 1972 - Bord 2: 1990, Test No. 5.2

1/8 1972 - Bord 2: 1990, Test No. 6.4

1/8 188 1972 - Bord 2: 1990, Test No. 6.4

1/8 188 1972 - Bord 2: 1990, Test No. 6.3

1/8 188 1990; 2010 - 1990, Test No. 6.3

1/8 188 1990; 2010 - Figure 8: Plendsby Churt for the classification of fore cells.

[3] In-house method Site adapted from RRT. IP 4/93
[9] In-house Test Procedure STrz: One Dimensional Swell-Strain Test
[6] Estimated have Potential GOD
[11] Values of shear strength were determined in situ by CET using

n Pilcon hand vane or Geoner 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. 9

[15] SO₄ = 1.2 x SO₃



Version: 5BH V1.6 - 26.02.19

8618

Laboratory Testing Results

Our Ref : Date Sampled: Location: 94 Greencroft Gardens 16/08/2019 23/08/2019 Crawford Claims Management Client: Date Tested: Address: Date of Report:

S	ample Ref.		Moisture	Soil	Liquid	Plastic	Plasticity	Liquidity *	Modified *	Soil *	Filter Paper	Soil	Oedometer	Estimated	In situ *	Organic *	pII *	Sulphate		*
TP/BH	Depth	Турс	Content	Fraction	Limit	Limit	Index	Index	Plasticity	Class	Contact	Sample	Strain	Heave	Shear Vane	Content	Value	(g.		Class
No.	(m)		(%) [1]	> 0.425mm (%) [2]	(%)[3]	(%)[4]	(%)[5]	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (Dd) (mm)[10]	Strength (kPa) [11]	(%)[12]	[13]	so ₃ [14]	80 ₄ [15]	[16]
2	11/0 1 20	D	25	<5	72	23	49	0.05	49	CV					> 140					
2	U/S 1.30	D	23	\cdot)	12	23	49	0.03	49	CV					> 140					
	1.5	D	26	<5											> 140					
	2.0	D	28	<5	72	25	47	0.07	47	CV					> 140					
	2.5	D	31	<5											> 140					
	3.0	D	31	<5	72	27	45	0.10	45	CV					> 140					

[16] BBE Special Disparcion (Concrete in Aggressive Greand) August 200. Note that if the 80H control falls into the 104 or 105 5 date, it would be predest so consider the sample or falling into the DS-6M or DS-6M color representation to a control or the sample or falling into the DS-6M or DS-6M or

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

Disturbed sample (small)
Disturbed sample (bilk)
Undisturbed sample
Groundwoster sample
Groundwoster sample
Essentially Non-Plastic by inspection
Underside of Foundation



Version: 5BH V1.5 - 26.06.18

Jest Michaels / Notes

//J. No. 1177 - Part 2, 1990, Teah No. 3.2

//J. Edisland If -5%, otherwise nearesof

//J. Edisland If -5%, otherwise nearesof

//J. Edisland If -5%, otherwise nearesof

//J. No. 1277 - Part 2, 1990, Teah No. 4.3

//J. No. 1277 - Part 2, 1990, Teah No. 4.3

//J. No. 1990, Teah No. 4.4

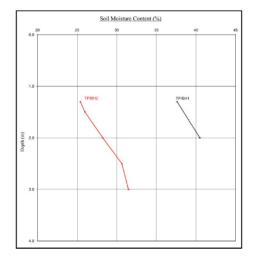
//J. No. 1990, Teah No. 4

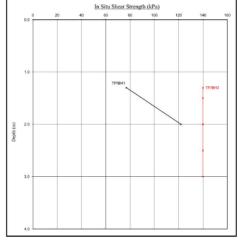
Moisture Content Profiles

Shear Strength Profiles

Our Ref :
Location : 94 Greencroft Gardens
Work carried out for: Crawford Claims Management







Notes

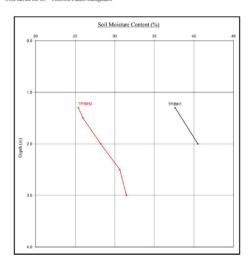
1. If Polatid, 0.4.11. and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated city) at shallow depths.

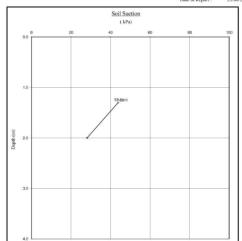
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Soil Suction Profiles

Our Ref :
Location : 94 Greencroft Gardens
Work carried out for Country Claims Management





Notes

1. If plotted, 0.4 LL and PL+2 (after Driscotl, 1983) should only be applied to London Clay (and similarly overconsolidated city) at hallow depths.

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

Note:
When shown, the theoretical equilibrium suction profiles are based on conventional assumptions associated with Lendon City (and similarly overconsolidated citys) as shallow depths. Note that the sample disturbance component is dependent on the method of sampling and any subsequent recompanion. The above piles do not have been 160% to be 160% and the size to 160% and the size to 160% and the size that of samples in the value suggested by the RIE on the basis of their limited nature of error recompanion! Samples. This may or may not be appropriate in this instance and judgment should be carecised.

EPSL
European Plant Science Laboratory

| Sheet: 1 of 1 | Site: 94 Greencroft Gardens, | Site: 94 Greencroft Gardens, | Work carried out for: Crawford Claims MGMT SUS

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
TPI (USF)	2 mm	Ligustrum spp. 2 roots	Positive
BH1 (2.4m)	1 mm	broadleaved species, too juvenile for positive identification $2\ \mathrm{roots}$	Negative
TP2 (USF)	2 mm	Populus spp. † 3 roots	Positive
BH2 (2m)	1.5 mm	Populus spp. † 3 roots	Positive

Ligustrum spp. are privets.

Populus spp. are poplars and aspens.



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

[†] EPSL research has developed a unique ability to differentiate Willows from Poplars. We believe no other laboratory in the UK can currently provide this service. We now offer this benefit at no extra cost.