

SITE INVESTIGATION FACTUAL REPORT

Report No:

Client:

Crawford Claims Management

Site: 52 ST ALBANS ROAD, LONDON

Client Ref:

01/02/2021 Date of Visit:





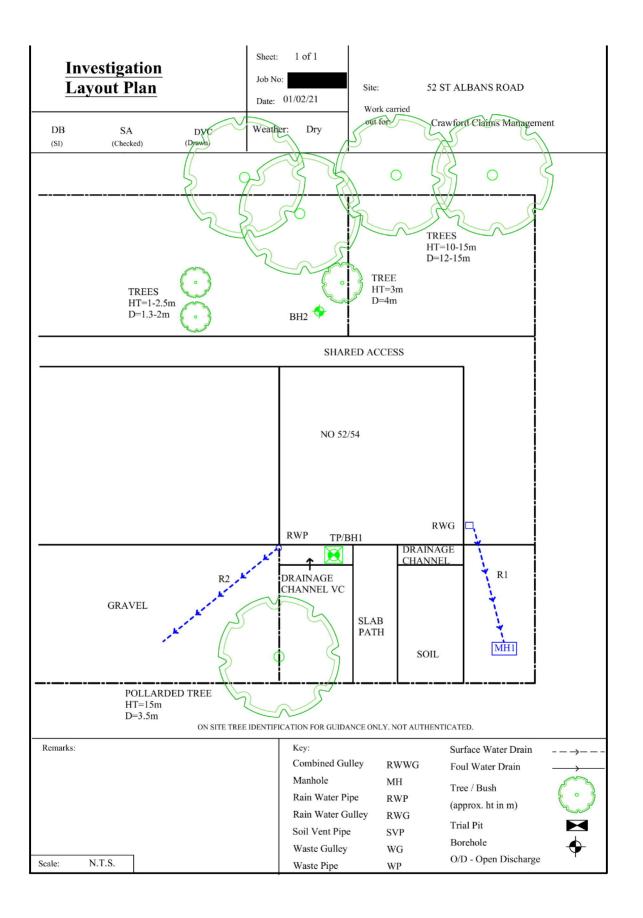














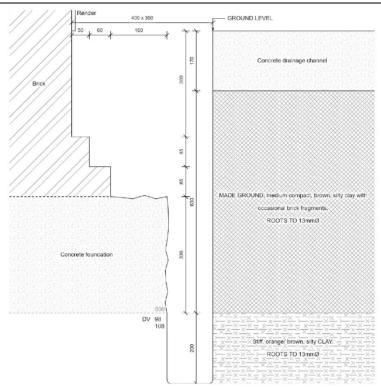
TEST REPORT: Trial Pit

REPORT NUMBER: TRIAL PIT REF:

DATE: 01/02/2021 CLIENT: Sedgwick International UK SITE: 52 ST ALBANS ROAD

JOB NO: WEATHER:

EXCAVATION METHOD: Hand tools



For Strata below 1000mm see Bore Hole log

Render : -

Small disturbed sample J Jar sample 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 CTS Scott Alger - Lab

Report Format:

Approved Signatory 04-Feb-21

Construction Testing Solutions Ltd. Registered in England No. 05998333

Report version 1

Page 1 of 1

					Sheet:	1 of 1	Site:	52 ST ALBA	NS ROAD			
	Boreh	ole	1		Job No:							
					Date:	01/02/2021						
Boring M	lethod:	Hand Auger			Ground Level:		Client:	Crawford C	laims Ma	nageme	nt	
Diamete	r (mm):	75	Weather:	Dry								
Depth				Soil Description						Samp	oles and	Tests
(m)								Thickness	Legend	Depth	Type	Result
0.00	See Trial	Pit						1.00				
										-		
1.00	Stiff oran	ge-brown silt	CLAV					1.00	x -	1.00	DV	100
1.00	Juli Orali	ge-brown site	y CLAI					1.00	<u></u> ^	1.00		100
									<u>~-</u> ×			100
									<u>* × </u>			
									<u>~ - ×</u>			
									<u>~</u> ×			
									<u>*</u> ×	1.50	DV	100
									*×			110
									××			
									××			
									× ×			
2.00	Very stiff	orange-brow	n silty CLAY					1.00	$\overline{x} = x$	2.00	DV	140+
									××			140+
									××			
									××			
									~ -			
									<u>~ - ×</u>	2.50	DV	140+
									<u>~-×</u>	2.50		140+
									×			140+
									<u>~ - ×</u>			
									x			
				5 1 (8)					*×	0.00		
3.00				End of BH						3.00	DV	140+
												140+
Remarks						Key:					То	Max
BH ends	at 3m.BH o	dry and open o	n completion,	no roots observed below 2	.2m.	D - Disturbed Sa	ample				Depth	Dia
						B - Bulk Sample					(m)	(mm)
						W - Water Sam		Roots			1.50	3
						J - Jar Sample		Roots			2.20	1
						V - Pilcon Shear	Vane (kPa					
						M - Mackintosh		Depth to W	ater (m)			
						TDTD - Too Den		0.50	1	ı		
Loggodi		Dh	C A	Chackad	Anground		V1 0 29/0				NTC	

		_			Sheet:	1 of 1	Site:	52 ST ALBA	NS ROAD)		
	Boreh	ole	2		Job No:							
		ı			Date:	01/02/2021						
Boring N		Rotary Auger			Ground Level:		Client:	Crawford C	laims Ma	nageme	nt	
Diamete	r (mm):	100	Weather:	Dry								
Depth				Soil Description						_	ples and	Tests
(m)								Thickness	Legend	Depth	Type	Result
0.00	Turf over	MADEGROU	ND					0.50	****			

									XXXX			
									XXXX			

0.50	Stiff orar	ge-brown silt	y CLAY					2.00	× ×			
									××			
									××			
									××			
									××			
									××	1.00	DV	120
									××			130
									<u>* - ×</u>			
									$\overline{}$			
									<u>* × </u>	1.50	D	
									<u>* - *</u>	1.50		
									<u>* - *</u>			
									<u>~ ×</u>			
									<u>x</u> - x			
									<u>~—×</u>	2.00	DV	130
									<u>~ - ×</u>	2.00	DV	140
									×			140
									<u>~ ×</u>			
									×			
2.50								0.50	^ - ×	2.50	_	
2.50	Very stiff	orange-brow	n silty CLAY					0.50	×	2.50	D	
									<u>* — ×</u>			
									<u>* — ×</u>			
									<u>* — ×</u>			
									× — ×			
3.00				End of BH						3.00	DV	140+
												140+
						I						
Remarks						Key:					То	Max
Bh ends	at 3m.bh c	lry and open or	n completion,	no roots observed below 1.5	5m.	D - Disturbed Sa	ample				Depth	Dia
						B - Bulk Sample					(m)	(mm)
						W - Water Sam	ple	Roots			1.00	2
						J - Jar Sample		Roots			1.50	1
						V - Pilcon Shear	Vane (kPa	Roots				
						M - Mackintosh	Probe	Depth to W	/ater (m)			
						TDTD - Too Den	se To Drive	e				
Logged:		Db		Checked:	Approved:	Version	V1.0 28/0	1/16			N.T.S.	



SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER:



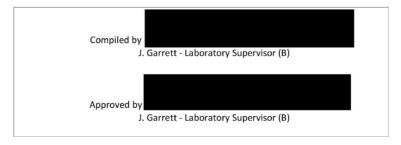
CLIENT: CET Property Assurance (Crawford Claims Management)

SITE: 52 St Albans Road London

DATE OF SITE VISIT: 01/02/2021

DATE RECEIVED BY LABORATORY:

04/02/2021



DATE REPORTED: 12-Feb-2021

Laboratory Summary Results

Our Ref: Date Sampled: 01/02/2021 52, St Albans Road, London 04/02/2021 Location: Date Received:

Date Tested : Date of Report : Client: 04/02/2021 Address

TP/BH No	ample Ref Depth (m)	Type	Moisture Content	Soil Fraction > 0.425mm	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity Index		Filter Paper Contact Time	Soil Sample Suction	Oedometer Strain	Estimated * Heave Potential (Dd)			pH * Value	Sulphate (g/ so ₃	/1) so ₄	Class
	90002		(%) [I]	(%) [2]	(%)[3]	(%)[4]	(%)[5]	[5]	(%)[6]	[7]	(d)	(kPa) [8]	[9]	(mm)[10]	(kPa) [11]	(%)[12]	[13]	[14]	[15]	[16]
1	U/S 0.80	D	34	<5	78	24	54	0.18	54	CV	7	200			103					
	1.0	D	28	<5					1						100			1 1		ıl
	1.5	D	29	<5											105					
	2.0	D	31	<5	80	28	52	0.07	52	CV	7	596			> 140					
	2.5	D	31	<5											> 140					
	3.0	D	33	<5	79	29	50	0.08	50	CV	7	549			> 140					
i l			i				I	I	ı		ı	l		ı				1 !	1 1	i

Test Methods / Notes

[II, III S 1377 : Part 2 1: 1990, Test No 3.2

[II, Islandard III S 75, otherwise manurar

III, Islandard III S 75, otherwise manurar

III S 1377 : Part 2 1: 1990, Test No 5.4

III S 1377 : Part 2 1: 1990, Test No 5.3

III S 1377 : Part 2 1: 1990, Test No 5.4

III S 1377 : Part 2 1: 1990, Test No 5.4

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III S 1377 : Part 2 1: 1990, Test No 5.4

III S 1377 : Part 2 1: 1990, Test No 5.4

(11) Values of shore strength were determined:
a Piken land vane or Geoner sane (GV).
(12) RS 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

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



Version: 5BH V1 - 06.01.21

Our Ref:

Location:

Laboratory Testing Results

52, St Albans Road, London CET Property Assurance (Crawford Claims Management)

Client: Address: Date Sampled : 01/02/2021 Date Received: 04/02/2021 Date Tested : 04/02/2021

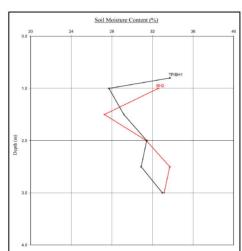
lient: ddress		CLII	roperty Ass														Date Te			02/20
Sa P/BH No.	nple Ref. Depth (m)	Туре	Moisture Content (%) [1]	Soil Fraction > 0.425mm (%) [2]	Liquid Limit (%)[3]	Plastic Limit	Plasticity Index (%)[5]	Liquidity * Index [5]	Modified * Plasticity Index (%)[6]	Soil * Class	Filter Paper Contact Time	Soil Sample Suction (kPa) [8]	Oedometer Strain	Estimated * Heave Potential (Dd) (mm)[10]	In situ * Shear Vane Strength (kPa) [11]	Organic * Content (%)[12]	pH * Value	Sulphate (g so ₃		CI
\dashv			()[-]	(/ 1-3	(,,,-,	()[-]	0.47147	1-2	(10) [0]	2:3	(0)	(22 0) [0]	19	(11111)[10]	() [1-1]	(,22	15	2-0	()	т
H2	1.0	D	33	<5	85	26	59	0.11	59	CV	7	291			125					
112	1.0		55	~	05	20	37	0.11	3,7	0,		271			125					ı
- 1	1.5	D	27	<5																ı
- 1		_	2.0	_		••					_									ı
- 1	2.0	D	31	<5	76	28	48	0.07	48	CV	7	427			135					ı
- 1	2.5	D	34	<5																ı
- 1																				ı
- 1	3.0	D	33	<5	76	28	48	0.11	48	CV	7	358			> 140					ı
- 1																				ı
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Met	ods / Notes				(8) In-house met	nod S9a actipica	rom HRE IP 4/93			[16] BRE Sp	scial Dissest One (Co	ncrete in Aggress	ive Ground) August	2005	Key					_
	Part 2: 1990, Test	No 3.2			[9] In-house Tes	t Procedure \$17a:	One Dimensional S	well/Strain Test					OS-5 class, it would b			Disturbed sample	(small)			_
stimato	if <5%, otherwise r	measured			[10] Estimated H	Icave Potential (D	d)			prudent to cor	sider the sample as	falling into the DO	S-4M or DS-5M		В	Disturbed sample	(bulk)		CÎ.	3
	277: Part 2: 1990, Test No 4.4 [11] Values of shear strength were determined in situ by CFT using class respectively unless water solumble run								uable magnesium	testing is undertaker	r	U	Undisturbed sam	ple		- 330	2			
BS 1377: Part 2: 1990, Test No.5.3 a Pilcon hand vame or Geomer vane (GV). to prove otherwise.												Groundwater san	sple			Л				
(5) BS 1377: Part 2: 1990. Test No.5.4 (12) BS 1377: Part 3: 1990, Test No.4 (6) BRE Digset 240: 1993 (13) BS 1377: Part 2: 1990, Test No.9 * These lests are not UKAS accredited												Essentially Non-I		ction	E∖∤ዓ	٠,				
	est 240 : 1993 : 1981 : Figure 31 -	March Co	and the state of the state of								s are not UKAS acc				U/S	Underside of Fou	ndstion		- >	4
		Plasnelly Ci	ari ter me cassine		[14] BS 1377 : P [15] SO ₄ = 1.2 x		3.0			Full reports o	an be provided upor	request							TESTIN	6
of fine so	is is reported rela	ate only t	o the items te		1127 504-1.28	301														
				Il without appre	val of the lab	oratory.									Version:	5BH V1 - 06	01.21		09	27

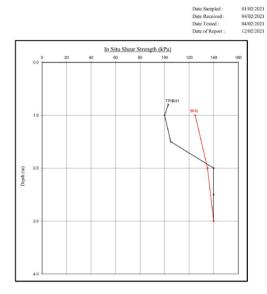


Moisture Content Profiles

Shear Strength Profiles

Our Ref :
Location : 52, St Albans Road, London
Work carried out for: CET Property Assurance (Crawford Claims Management)





Notes

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

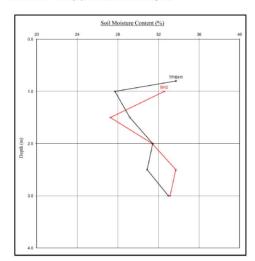
2. Unless specifically noted the profiles have not been related to a site chann.

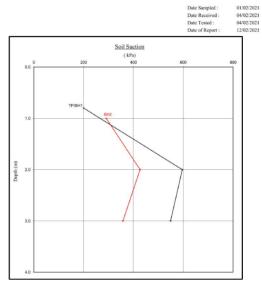
Note
1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 140 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Soil Suction Profiles

Our Ref :
Location : 52, St Albans Road, London
Work carried out for: CET Property Assurance (Crawford Claims Management)





Notes

1. If pointed, 6.4 LL and PL-2 (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.

EPSL European Plant Science Laboratory

Sheet: 1 of 1

Site:

52 St Albans Road,

Job No: Date: 10/02/2021
Order No: MDManual

Work carried

out for: Crawford Claims MGMT SUS

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.

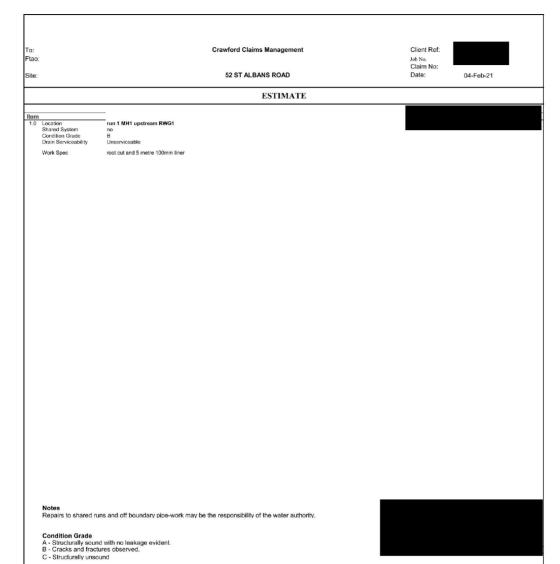
The results were as follows -

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)	13 mm	Platamus spp. 4 roots	Positive
BH1 (1.5-2.2m)	1 mm	Platanus spp. 3 roots	Positive
BH2 (1-1.5m)	1.5 mm	Quereus spp.	Positive

Platanus spp. include London plane and Oriental plane. Quercus spp. are oaks (both deciduous and evergreen).

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



Quotation is binding only if accepted within 28 days from date of issue and is subject to our Standard Terms and Conditions
The price qualification notes, stated on the drainage solutions schedule of rates, apply to this quotation.

CET Structures Ltd undertakes to return to site free of charge to carry our remedial work to the drainage repairs set out above for a
period of 2 months from the date of this invoice. The company standard charge rates will apply to the visit should the work
requested be unrelated to the said repairs.

ESTIMATING	& COSTING SHEET - DOMESTIC DRAINAGE		Client Ref		
Site:-	52 ST ALBANS ROAD		Job No.		
Client :-	Crawford Claims Management		Claim No		
			Date		
		Re	commendat	tion	1
	Description				
Rate Code	run 1 MH1 upstream RWG1	Unit	Qty		
TITLE	Survey				
SN0561	Mechanical Root Cutting	m	5		
TITLE	Drain Lining				
SN1133	Van pack HPWJ & CCTV in preparation of lining	nr	1		
SN1135	Drain Lining - Initial Set-Up Fee (0-3.0m)	nr	1		
SN1140	Drain Lining - 100mm. Install Structural liner into existing 100mm underground drain. 3mm Wall thickness.	m	2		
	Total subject to VAT @ 20%				

Note: Subject to the attached Terms and Conditions
Depths are taken to the base of excavations. Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed. All rates exclude
VAT. Depths are taken to the base of excavations. The above rates are subject to re-measurement. Daywork rates do not include for materials that are charged at cost plus
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour

				Sheet:	1	Site:	52 ST ALBANS ROAD						
Co	ding S	Sheet		Job No.:									
				Date:	##########	Client:	Crawford Claims Management						
Run:	1												
From:		М	H1	Invert Lev	/el:	1350	Direction:	U/S	U/S				
To:		rw	/g1	Invert Lev	/el:		Function:	S/W					
Pipe Materi	al:	V	′C	Pipe Dia:		100							
Water/Pres	sure Te	st:		Drain Bre	ak-In:	No	Gully Condition:	As Built	ilt				
Distance	Code	Cloc	k Ref	Dia	Intru	usion	Shared Run:	Yes					
(m)		at	to	mm	%	mm	If Shared How:	Via the gutter	ing				
0.00	ST						Remarks	Surface Material	Length (m)				
0.80	CC	12	12				Crack circumferential	slabs	4				
1.90	CC	12	12				Crack circumferential						
1.90	RFJ						Roots fine at joint						
3.20	DES				20		Debris silt						
4.00	DES				100		Debris silt						
4.00	FH						unable to push						
Comments:							•	-	8				
gully pot wa	as full of	f silt.had	d to clea	ar out by h	and to get di	irection of	outfall.see photos.poured water	in gully.pot just fills up.					
Run:	2												
From:		rw	/g2	Invert Lev	/el:		Direction:	D/S					
To:		sic	de	Invert Lev	/el:		Function:	S/W					
Pipe Materi	al:	P۱	٧C	Pipe Dia:		100							
Water/Pres	sure Te	st:		Drain Bre	ak-In:	Yes	Gully Condition:	As Built					
Distance	Code	Cloc	k Ref	Dia	Intru	usion	Shared Run:	Yes					
(m)		at	to	mm	%	mm	If Shared How:	With flats					
0.00	ST						Remarks	Surface Material	Length (m)				
1.50	LR						Line deviates right	Gravel	3				
2.10	GO						lined						
3.00	EH						End of survey						
Comments:													
shared with	flats+o	ff boun	dry.										

	Sheet:	1	Site:	52 ST ALBANS ROAD
Manhole Details	Job No.:			
	Date:	01/02/21	Client:	Crawford Claims Management
MH:- MH1 Depth:- 135	0 (mm)		16	-
MH:- MH1 Depth:- 135	<u>U</u> (mm)		invert level:-	Manhole Condition:- Very Good
		Run 1	Depth (mm 1250	
*				Reasons for poor condition.
1				
Chamber Dimension:- 600	750	(mm)		
MH:- Depth:-	(mm)	Depths of r	un if	
		different to Run	invert level:- Depth (mm	Manhole Condition:-
				Reasons for poor
				condition.
Chamber Dimension:-	/	(mm)		
MH:- Depth:-	(mm)	Depths of r		
		Run	Depth (mm	Manhole Condition:-
				Reasons for poor
				condition.
Chamber Dimension:-	/	(mm)		
<u>Key</u>		Additional Com	ments for Poor	Condition
Interceptor				
8				
Internal Back Drop.				
internal back brop.				
External Back Drop	.			