

SITE INVESTIGATION **FACTUAL REPORT**

Report No: 495935

Client: Cunningham Lindsey - Maidstone

Site: Flat A. 53 Oakley Square

Client Ref: 6711155-Mrs Kathleen O Boyle

Date of Visit: 23/03/18





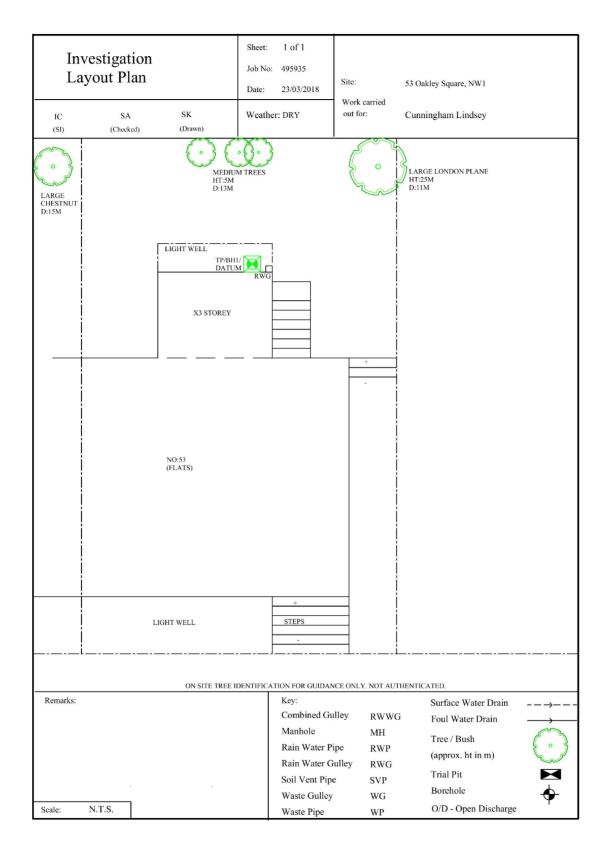














TEST REPORT: Trial Pit

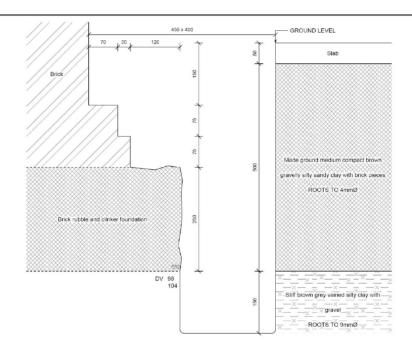
REPORT NUMBER: C350986 / 892.1.1.1

TRIAL PIT REF: Tp1 1of1 DATE: 23/03/2018

CLIENT: Cunningham Lindsey SITE: Flat A. 53 Oakley Square,NW1 1NJ

JOB NO: 495935 WEATHER: Clear

EXCAVATION METHOD: Hand tools



For Strata below 700mm see Bore Hole log

Key:

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: For and on behalf of CET Scott Alger - Lab

Report Format:



Approved Signatory 26-Mar-18

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Report version 1 Page 1 of 1

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l .	n I				Sheet:	1 of 1	Site:	Flat A. 53 C	akley Sq	uare		
	Borel	iole	1		Job No:	495935						
L .		l	l		Date:	23/03/2018	-	50 00 0				
Boring N		Hand Auger	l	Tr	Ground Level:		Client:	Cunningha	m Lindse	y - Maid	stone	
Diamete	r (mm):	75	Weather:	dry								
Depth				Soil Description				I		_	ples and	
(m)								Thickness	Legend	Depth	Туре	Result
0.00	See Trial	Pit						0.70				
0.70	Stiff bro	wn-grey veine	d silty CLAY	with gravel				0.50	*×			
									×			
									*×			
									*×	1.00	DV	104
									*×			110
1.20	Stiff bro	wn-grey veine	d silty CLAY	with claystone nodules				0.80	×	L		
									××			
									*×	2 (100)		12/2000
									<u>*</u> —×	1.50	DV	116
									*×			122
									<u>*</u> —×	\vdash		
									*×			
2	.,			cuty til I	L.T.			2	<u>~-x</u>	2	B	4.45
2.00	Very Stif	f brown-grey	veined silty (CLAY with claystone nod	lules			3.00	<u>*</u> ×	2.00	DV	140+
									×			140+
									<u>*</u> ×			
									<u>*</u> ×			
									<u>^×</u>			
									<u>*</u> ×	2.50	DV	140+
									<u>*</u> ×			140+
									<u>*</u> ×			
									×			
									*×			
									×	3.00	DV	140+
									×			140+
									×			
									<u>*</u> ×			
									^×			
									×	3.50	DV	140+
									<u>*</u> ×	\vdash		140+
									<u>~-×</u>		<u> </u>	
									<u>~-×</u>			
									<u>~-×</u>	4.00	DV	140+
									^-×	4.00	DV	140+ 140+
									<u>~ ×</u>			140+
									^-×			
									<u>~ ×</u>		_	
									<u>~ ×</u>	4.50	DV	140+
									<u>~-×</u>	1.30		140+
									<u>~ ×</u>			1401
									× ×	5.00	DV	140+
5.00				End of BH					^—×	3.00	50	140+
Remarks				LIIG OI DIT		Key:					To	Max
		H dry and open	on completi	on, no roots observed belo	ow 2.5m., Datum	D - Disturbed Sa	mnle				Depth	Dia
installed		,		,		B - Bulk Sample	pic				(m)	(mm)
						W - Water Sample	nle	Roots			1.50	5
l						J - Jar Sample	,,,,	Roots			_	FIBROUS
l						V - Pilcon Shear	Vane (kPa				<u> </u>	
l						M - Mackintosh		Depth to V	Vater (m)			
l						TDTD - Too Den			(111)			
Logged:		ic	SA	Checked:	Approved:		V1.0 28/0				N.T.S.	
			1-7.5		pp 2000.		0/0	-,				

Laboratory Summary Results

495935 23/03/18 Our Ref: Date Sampled: Flat A. 53 Oakley Square, London Cunningham Lindsey - Maidstone 4 North Court, South Park Business Village, Armstrong Road, ME15 6JZ 26/03/18 Location : Date Received: 27/03/18 Client: Date Tested: Address: Date of Report 11/04/18

	Sample Ref		Moisture	Soil	Liquid	Plastic	Plasticity		Modified *	Soil *	Filter Paper	Soil	Oedometer	Estimated	In situ *	Organie *	pH *	Sulphate		
TP/BH	Depth	Type	Content	Fraction	Limit	Limit	Index	Index	Plasticity	Class	Contact	Sample	Strain	Heave	Shear Vane	Content	Value	SO3	/1) so ₄	Class
No	(m)		(%) [1]	> 0.425mm (%) [2]	(%)/37	(%)[4]	(%)/57	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (Dd) (mm)[10]	Strength (kPa) [11]	(%)[12]	[13]			[16]
1	U/S 0.55	D	23	32	68	28	40	-0.13	27	СН	168	68.5			101					
	1.0	D	31	<5											107					
	1.5	D	25	<5	65	24	41	0.02	41	СН	168	215			119					
	2.0	D	28	<5											> 140					
	2.5	D	32	<5	67	28	39	0.09	39	СН	168	155			> 140					
	3.0	D	31	<5											> 140					
	3.5	D	30	<5	72	28	44	0.05	44	CV	168	198			> 140					
	4.0	D	29	<5											> 140					
	4.5	D	31	<5							168	238			> 140					
	5.0	D	33	<5							168	95.0			> 140					
									l											i I

Test Methods / Notes (7) 18 1377: Pen 2: 1990, Test No.3.2 (7) 18 1377: Pen 2: 1990, Test No.3.2 (7) 18 1377: Pen 2: 1990, Test No.4-4 (7) 18 1377: Pen 2: 1990, Test No.5.3 (7) 18 1377: Pen 2: 1990, Test No.5.4 (8) 18 1297: Pen 2: 1990, Test No.5.4 (8) 18 1297: Pen 2: 1993, Test No.5.4 (9) 18 1297: Pen 2: 1993 (7) 18 1991: Pen 2: 1994 (7) 18 1991: Pen 2: 1996: Pen 2: 1 Plusicity Chart for the class of fine soils.

CET Structures Ltd -

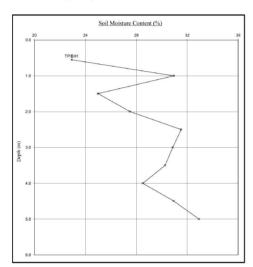
Version: 5BH V1.4 - 11/05/15

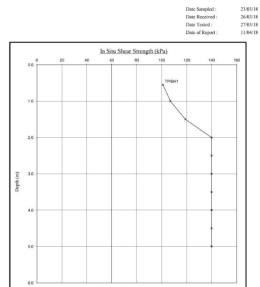


Moisture Content Profiles

Shear Strength Profiles

Our Ref: 495935
Location: Flat A. 53 Oakley Square, London
Work carried out for: Cunningham Lindsey - Maidstone





Notes

1. If plotted, 0.4 LL and PL-12 (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.

Note

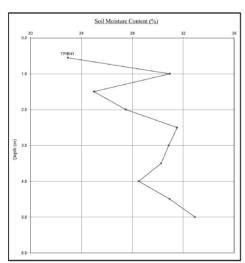
1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Pilcon Hund Vane the calibration of which is limited to a maximum reading of 140 kPa.

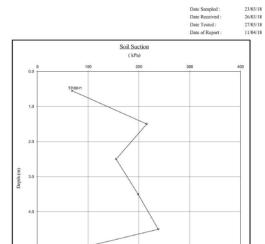
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Soil Suction Profiles

Our Ref : 495935 Location : Flat A. 53 Oakley Square, London Work carried out for: Cunningham Lindsey - Maidstone





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: 53 Oakley Square,

Job No: 495935 Date: 28/03/2018 Order No: 1129490

8 Work carried

out for: Cunningham Lindsey

EPSL Ref: **R21961**

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)	6 mm	Platanus spp. 2 roots	Positive
BH1 (1.5m)	4 mm	Platanus spp. 3 roots	Positive

Platanus spp. include London plane and Oriental plane.



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