

SITE INVESTIGATION **FACTUAL REPORT**

Report No:

Client:

Cunningham Lindsey - Morley (Leeds)

Site: Flat 1/2 & 5, 33 Broadhurst Gardens

Rosbury Properties Limited Client Ref:

Date of Visit: 07/02/18





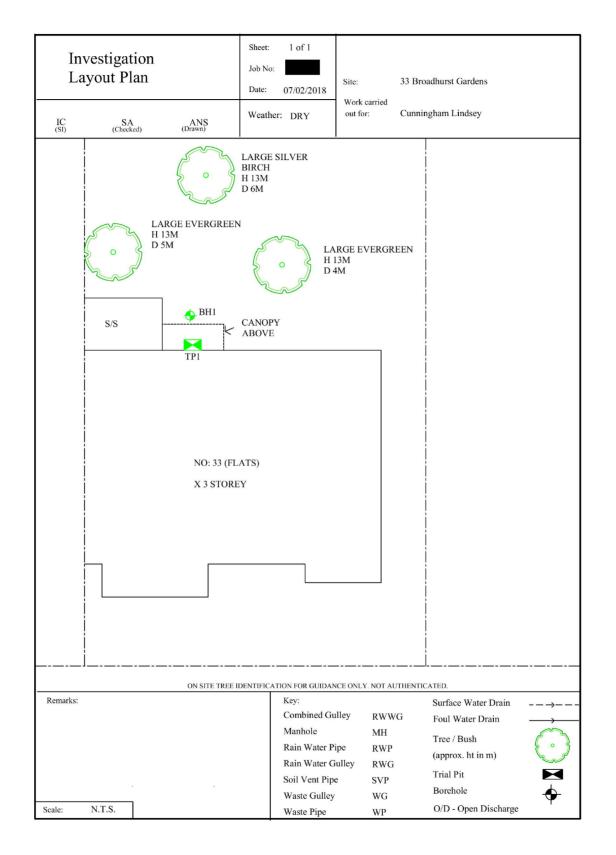


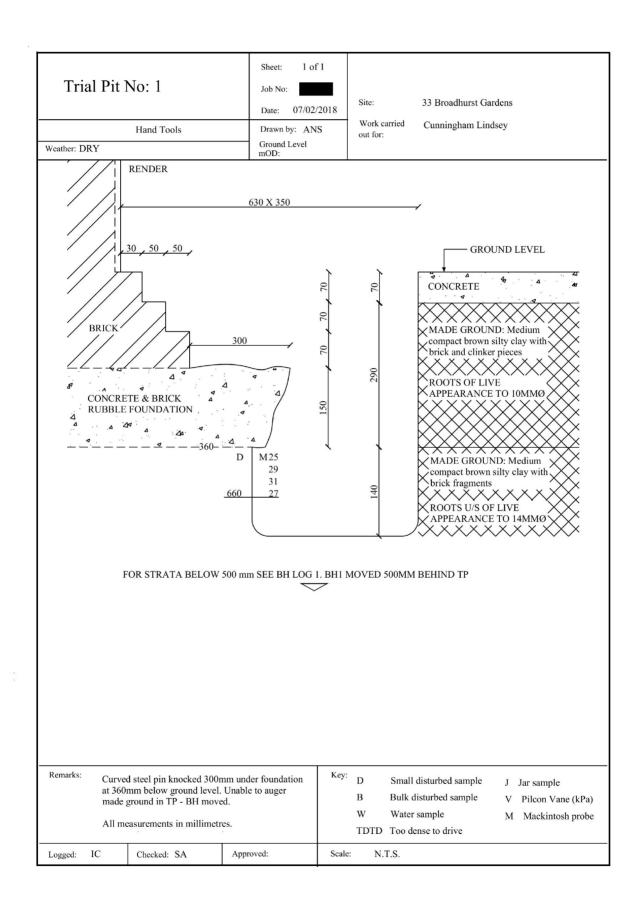












			1		Sheet:	1 of 1	Site:	Flat 1/2 &	5			
	Borel	nole	1		Job No:		J		-			
					Date:	07/02/2018						
Boring N		Hand Auger		Too	Ground Level:		Client:	Cunningha	m Lindse	y - Morle	y (Leed	ls)
Diamete	er (mm):	75	Weather:	dry Soil Description						· Same	oles and	Toote
Depth (m)				Soil Description				Thickness	Legend		Type	Result
0.00	MADEG	ROUND						0.10	888888	Берин	турс	Result
0.10			um compact	t brown silty sandy clay w	th brick and clin	ker and concrete	2	0.20	 			
	pieces		,	, , ,				11				
0.30	MADEG	ROUND medi	um compact	2.40	****							
				9								

								3				

								8	8888	1.00	DM	29
									1 00000			32
								8	****			34
								9 2	****			35
										1.50	DM	35
									****	1.50	DIVI	36
								55				35
								8	****			33

								20		2.00	DM	31
								8	****			29
								2				28 31
												31
								8		2.50	DM	28
								8				23
2.70	MADEG	ROUND medi	um compact	t moist,pungent,stained b	rown silty sandy	clay with clinker	r	0.60				22
	fragmer	nts						10	****			18
								9	****			4=
									!	3.00	DM	17 16
												14
3.30				End of BH					AAAXX			14
									L			
Remarks						Key:		•	•		То	Max
				H dry and open on completion	n.No roots	D - Disturbed Sa	mple				Depth	Dia
observed	a below 1	.5m.No access	tor drill.			B - Bulk Sample		_			(m)	(mm)
						W - Water Samp	le	Roots			1.50	2
						J - Jar Sample V - Pilcon Shear	Vane /kpa	Roots				
						M - Mackintosh		Depth to V	Vater (m)			
						TDTD - Too Dens						i
Loggod:		ic	SΔ	Checked:	Annroyed:	Version	V1 0 28/0	1/16			NTS	_

Laboratory Summary Results

07/02/18 Our Ref: Date Sampled:

08/02/18 Location: Flat 1/2 & 5, 33, Broadhurst Gardens, London Date Received: Cunningham Lindsey - Morley (Leeds) 09/02/18 Client: Date Tested: Address: Subsidence Scanning Centre, Ground Floor, Fountain Court, LS27 0JG Date of Report : 14/02/18

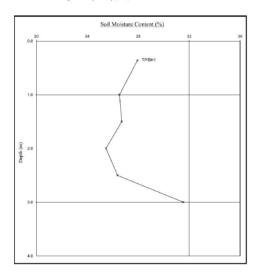
TP/BH	ample Ref Depth	Туре	Moisture Content	Soil Fraction	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity	Soil * Class	Filter Paper Contact	Soil Sample	Oedometer Strain	Estimated Heave	In situ * Shear Vane	Organie * Content	pH * Value	Sulphate (g	(1)	* Class
No	(m)		(%) [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]
1	U/S 0.36	D	28	<5	75	31	44	-0.07	44	CV										
	1.0	D	27	12	76	28	48	-0.03	42	CV										
	1.5	D	27	8																
	2.0	D	25	12	71	23	48	0.05	42	CV										
	2.5	D	26	11																
	3.0	D	32	14	74	31	43	0.01	37	CV										
				100	10/20															
	Not suitable for suction testing - Made Ground																			
	Not suitable for suction testing - F			g - Made	Ground	Ĭ														
					69) Ja kassasa	h - 100 1	A DBC ID AN													
Test Methods / Notes /// p8 1877: Part 2: 1990, Test No 3.2 /// p8 1877: Part 2: 1990, Test No 3.2 /// p8 1877: Part 2: 1990, Test No 3.2							[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005				Key	W	2 93							
[1] BS 1377 : Part 2 : 1990, Test No.3.2 [9] In-house Test Procedure ST a: One Dimensional Swell-Strain Test [2] Estimated if <5%, otherwise measured [10] Estimated Heave Potential (Dd)							Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be			u be		Disturbed sample (small)								
[3] BS 1377: Part 2: 1990. Test No 4:4 [11] Values of shear strength were determined in situ by CET using						prudent to consider the sample as falling into the DS-4M or DS-5M				D.	Disturbed sample (bulk)			GI	3					
[4] BS 1377 : Part 2 : 1990, Test No 5.3 a Pilcon hand varie or Geonor varie (GV).						class respectively unless water solkable magnesium testing is undertaken			MC13	w	Undisturbed sample				₹ -					
[5] BS 1377 : Part 2 : 1990, Test No 5.4 [72] BS 1377 : Part 2 : 1990, Test No 5.4						to prove otherwise.					200	Groundwater sample			E/L	⊁ \				
[2] DS 1377 : Part 2 : 1990, TES NO 34 [12] DS 1377 : Part 2 : 1990, TES NO 4 [6] BRE Digest 240 : 1993 [13] BS 1377 : Part 2 : 1990, Test No 9						* These tests are not UKAS accredited				ENP	Essentially Non-Plastic by inspection			$\mathbb{E}(A)$	\					
[7] BS 5930: 1981: Figure 31 - Plasticity Chart for the classification [74] BS 1377: Part 2: 1990.												U/S Underside of Foundation			- >	.				
of fine soils //33/ SO ₄ = 1.2 x SO ₃					140 .5.0			Full reports can be provided upon request								TESTI				
															Version:	5BH V1.4 -	11/05/15		86	18

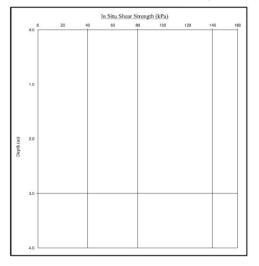


Moisture Content Profiles

Shear Strength Profiles

Date Sampled :
Date Received :
Date Tested :
Date of Report : 07/02/18 08/02/18 09/02/18 14/02/18





Nets

1. Unless otherwise stated, values of Shear Strength were determined in situ by
CET using a Pikon Hand Varie the calibration of which is limited to
a maximum roading of 140 LPs.

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

Note:

I. If plotted, 0.4.11. and Pl. 12 (after Driscott, 1983.) should only be applied to London Clay (and similarly overconsolidated only at hallow depth.

2. Lakes specifically noted the profiles have not been related to a size dature.

EPSL

European Plant Science Laboratory

Sheet: 1 of 1

Job No: 15/02/2018
Order No: 1106210

Site:

8 Work carried

out for: Cunningham Lindsey

33 Broadhurst Gardens, NW6,

EPSL Ref:

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
TPI (USF)	8 mm	Betula spp.	Positive
TP1 (USF)	15 mm	Cupressaceae spp. * 2 roots	Positive
BH1 (to 1.5m)	4 mm	Cupressaceae spp. 3 roots	Positive

^{*} Plus 2 bark fragments, probably the same.

Betula spp. are birches.

Cupressaceae spp. include Lawson cypress, western red cedar, Monterey cypress, Leyland cypress and junipers.



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Plant Anatomist: Dr R J Shaw B.Sc. (Hons), Ph.D
Consultant: Dr M P Denne B.Sc. (Hons), M.Sc., Ph.D