



FACTUAL REPORT

OF

INVESTIGATION

AT:- 67, Belsize Park
LONDON

ON:- 06/02/2013

FOR:- Cunningham Lindsey - Solent

REF:- 1847971- [REDACTED]

JOB NO:- 140322

SITE INVESTIGATION DIVISION

Issuing office: Lawness Barns, Mountnessing Road, Billericay, Essex CM12 0TS

Tel: 0845 4504573 Fax: 01332 814750 email: enquiries@cetsafehouse.com

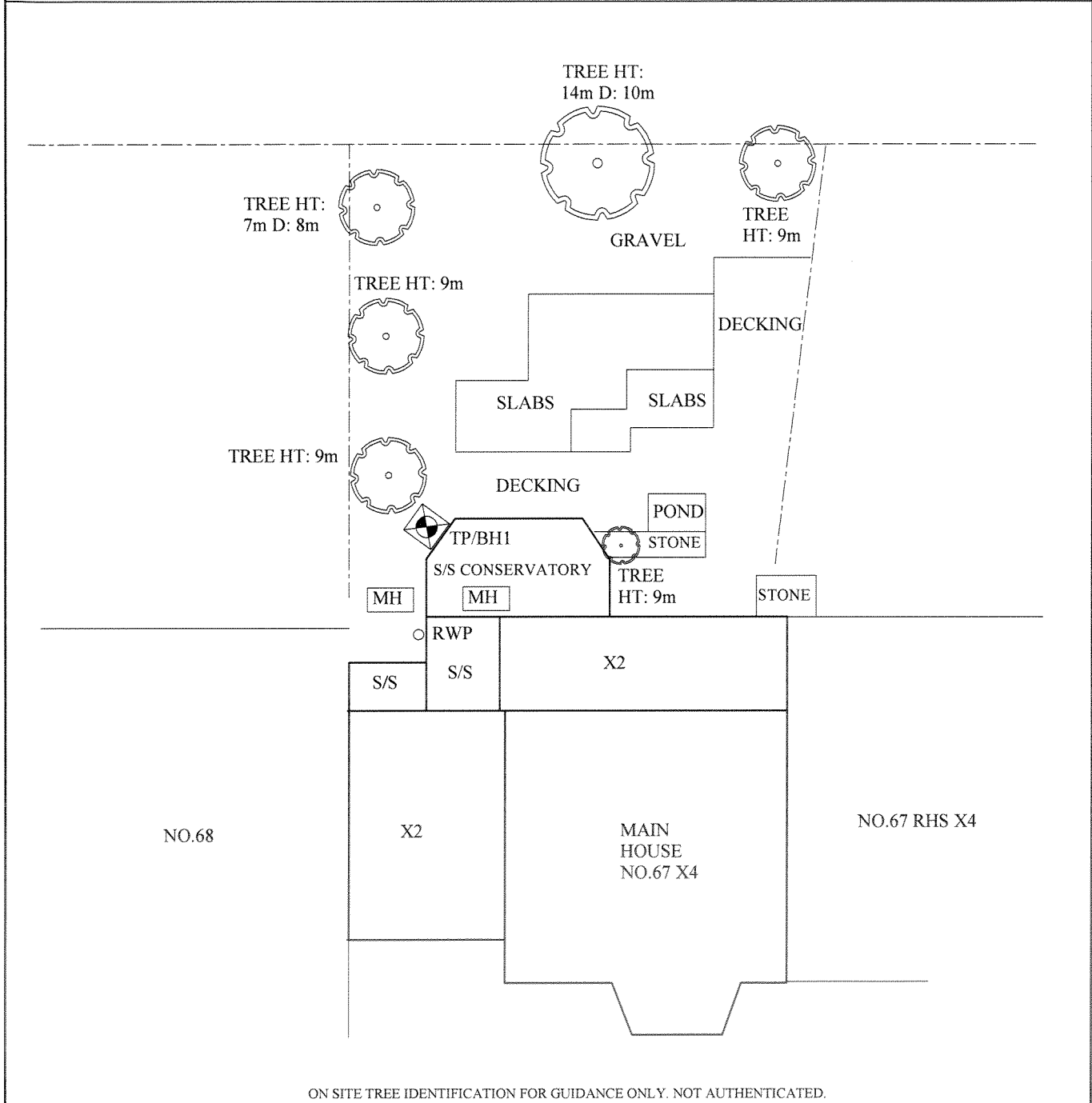


Head Office: Unit E2 First Floor Suite, Boundary Court, Willow Farm Business Park, Castle Donington, DE74 2NN

Home Emergency Services - Site Investigation - Drainage Services - Construction Materials Testing

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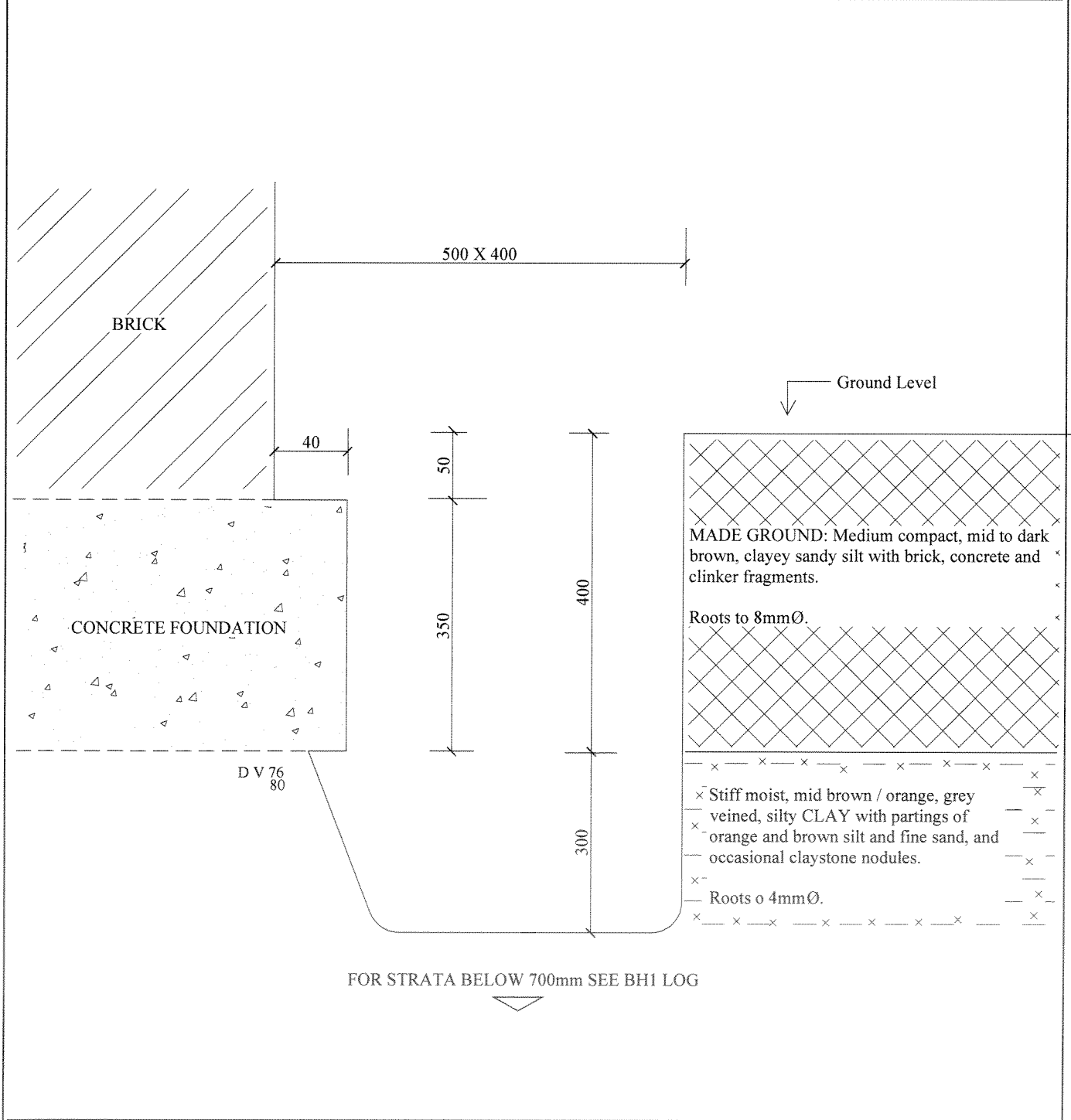
Investigation Layout Plan			Sheet: 1 of 1	Site: 67 Belsize Park, NW3
			Job No: 140322E	
			Date: 06/02/2013	
MR (SI)	PS (Checked)	AR (Drawn)	Weather: DRIZZLE	Work carried out for: Cunningham Lindsey



ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

Remarks:	Key:		
	Combined Gulley	RWWG	Surface Water Drain
Scale: N.T.S.	Manhole	MH	Foul Water Drain
	Rain Water Pipe	RWP	Tree / Bush
	Rain Water Gulley	RWG	(approx. ht in m)
	Soil Vent Pipe	SVP	Trial Pit
	Waste Gulley	WG	Borehole
	Waste Pipe	WP	

Trial Pit No: 1	Sheet: 1 of 1	Site: 67 Belsize Park, NW3
	Job No: 140322E	
Excavation Method: Hand tools	Date: 06/02/2013	Work carried out for: Cunningham Lindsey
Weather: Drizzle	Drawn by: AR	
	Ground Level mOD:	



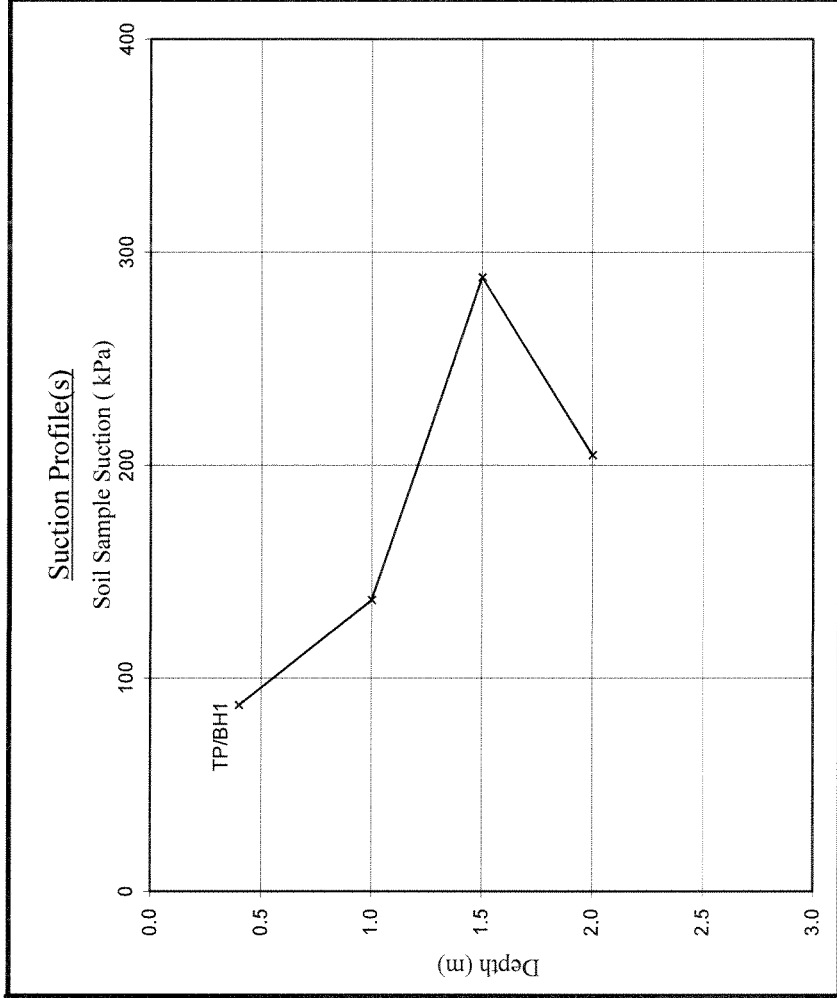
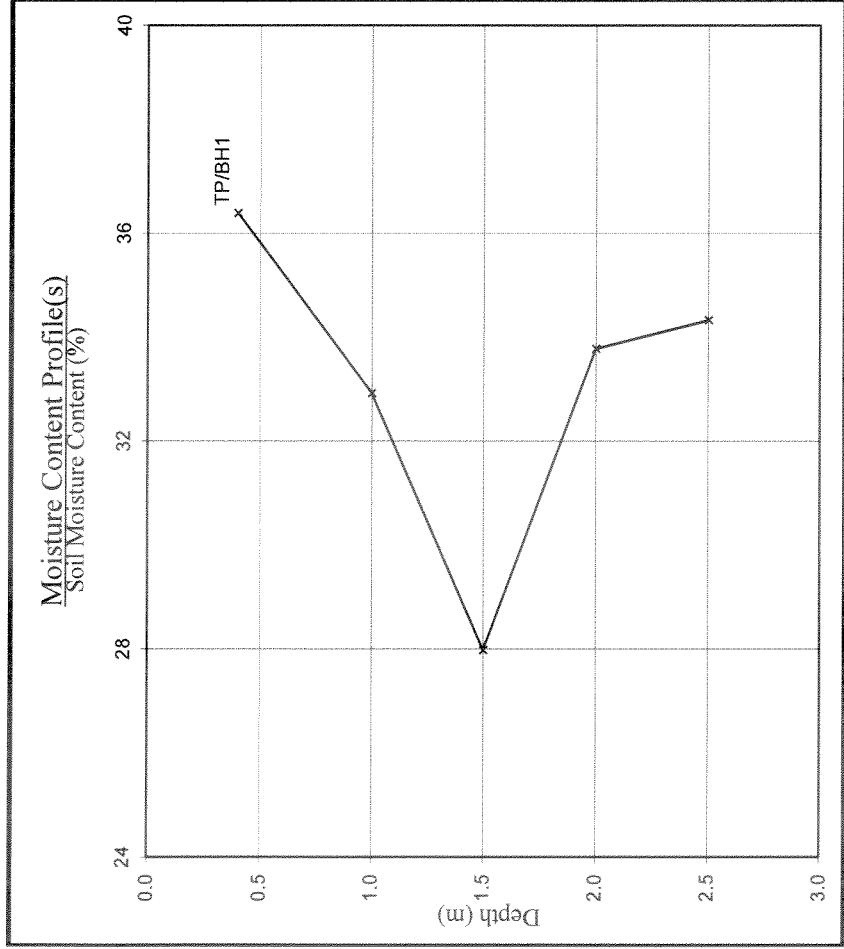
Remarks: All measurements in millimetres.	Key:	D Small disturbed sample	J Jar sample
	B Bulk disturbed sample	V Pilcon Vane (kPa)	
	W Water sample	M Mackintosh probe	
	TDTD Too dense to drive		
Logged: MR	Checked: PS	Approved:	Scale: N.T.S.

Borehole No: 1			Sheet: 1 of 1			Site: 67, Belsize Park, NW3				
Boring Method: Hand Auger			Job No: 140322E							
Diameter: 70mm / 50mm			Date: 06/02/2013							
Coordinates:			Ground Level mOD:			Work Carried out for: Cunningham Lindsey				
Depth (m)	Description of Strata	Thick-ness (m)	Legend	Sample	Type	Test Result	Depth (m)	Field Records/Comments	Depth to water (m)	
0.70	As trial pit 1	0.70								
1.10	Stiff, mid brown / orange, grey veined silty CLAY with partings of orange and brown silt and fine sand, claystone nodules and carbon nodules	0.40	— .x — —	D	V	86 92	1.00	Roots to 1mm diameter to 2.2m with hair and fibrous roots to 2.4m		
2.55	Stiff, mid brown, grey veined silty CLAY with partings of orange and brown silt and fine sand, crystals and claystone nodules	1.45	— .x — — x — — — — .x — — x — — —	D	V	120+ 120+	1.50	No roots observed below 2.4m		
			D	V	120+ 120+	2.00				
			D	V	120+ 120+	2.50				
Borehole ends at 2.55m Obstruction: thought to be claystone Too dense to hand auger										
Remarks: Borehole dry and open on completion Only able to extract a small sample at 2.5m					Key: T.D.T.D. Too Dense to Drive D Small disturbed sample J Jar sample B Bulk disturbed sample V Pilcon Vane (kPa) W Water sample M Mackintosh Probe					
Logged: MR	Checked: PS	Drawn by Jo F			Scale: NTS		Weather: Drizzle			

Moisture Content and Suction Profiles

Our Ref :	140322	Date Sampled :	06/02/2013
Location :	67, Belsize Park, NW3	Date Received :	06/02/2013
Work carried out for:	Cunningham Lindsey - Solent	Date Tested :	07/02/2013
		Date of Report :	14/02/2013

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



Notes

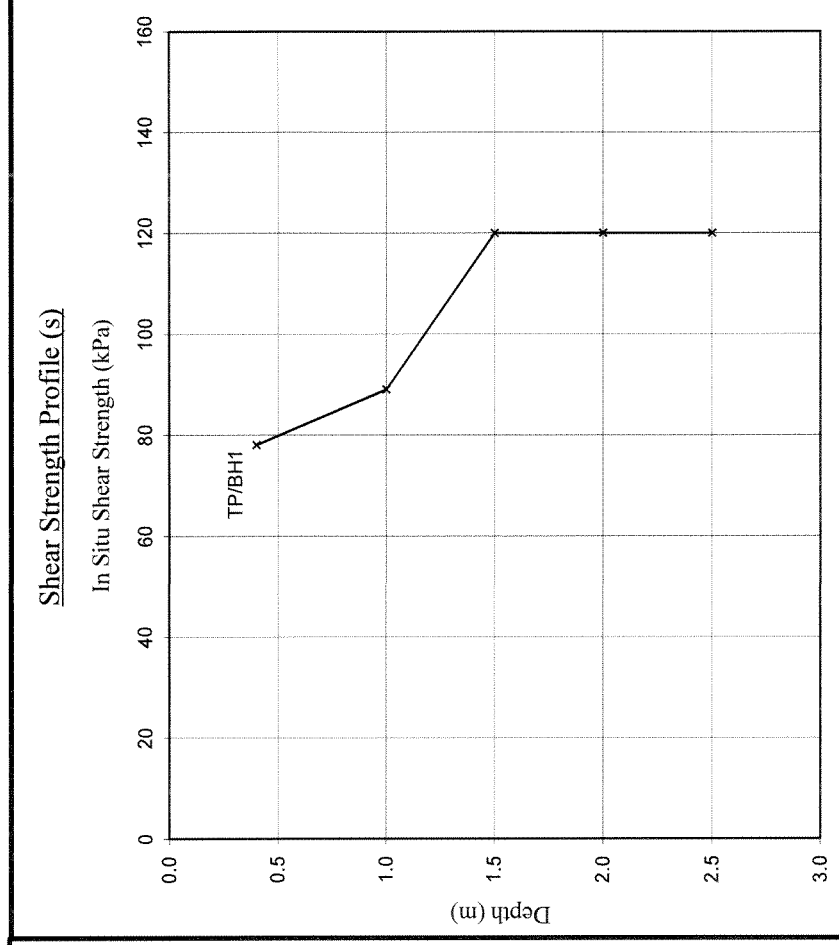
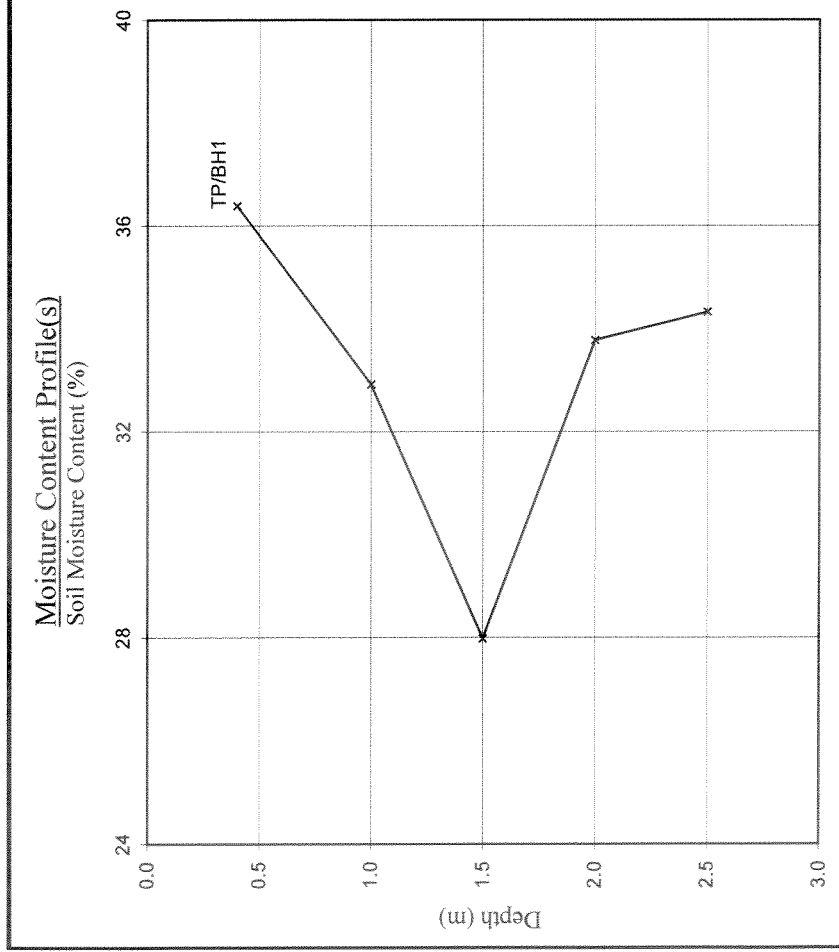
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clays) at shallow depths

Note

When shown, the theoretical equilibrium suction profiles are based on conventional assumptions associated with London Clay (and similarly overconsolidated clays) at shallow depths. Note that the sample disturbance component is dependant on the method of sampling and any subsequent recompaction. The above plots show this to be 100kPa which is the value suggested by the BRE on the basis of their limited number of tests on recompacted samples. This may or may not be appropriate in this instance and judgement should be exercised

Moisture Content and Shear Strength Profiles

Our Ref : 140322 Date Sampled : 06/02/2013
Location : 67, Belsize Park, NW3 Date Received : 06/02/2013
Work carried out for: Cunningham Lindsey - Solent Date Tested : 07/02/2013
Note : Unless specifically noted the profiles have not been related to a site datum. Date of Report : 14/02/2013



Notes

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

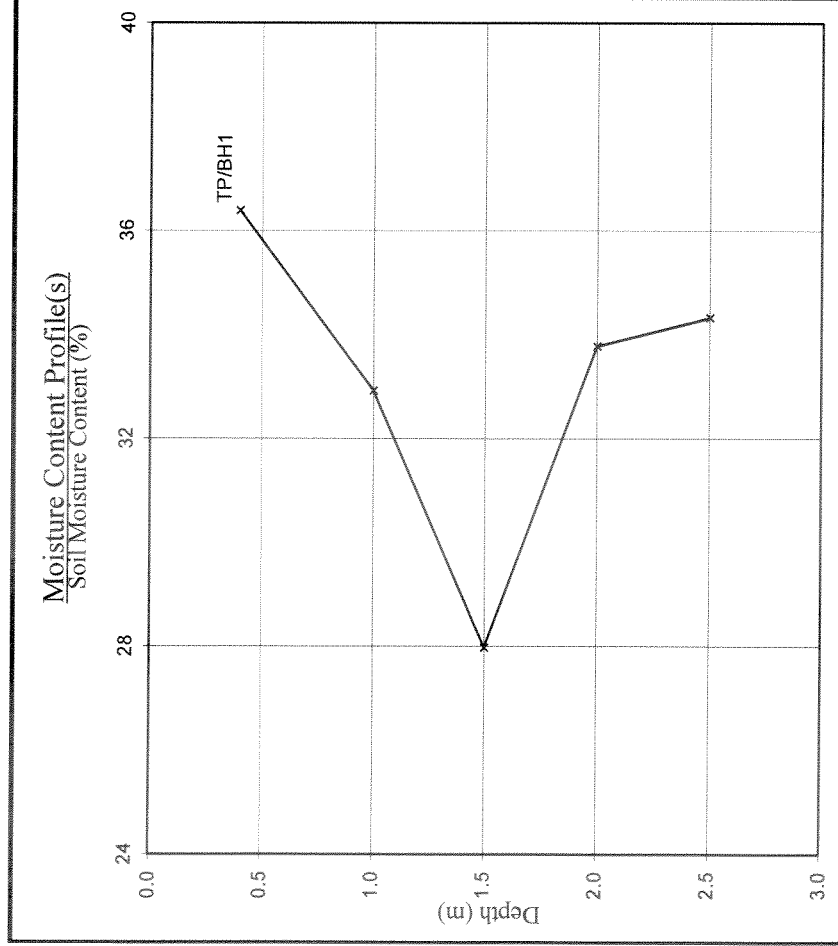
Note

Unless otherwise stated, values of Shear Strength were determined in situ by CET Group using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 120 kPa.

Moisture Content and Suction Profiles

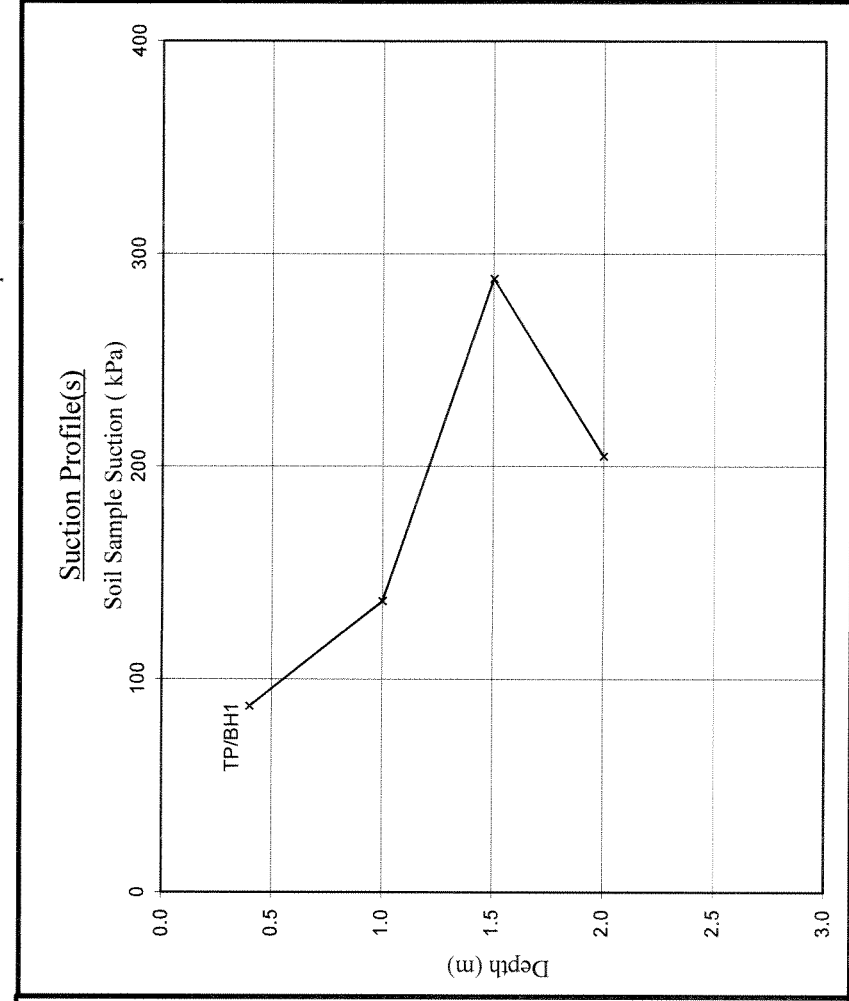
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Location :	67, Belsize Park, NW3	Date Received :	06/02/2013
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Certificate of Analysis

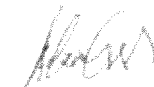
The following work was commissioned by CET Safehouse Limited on behalf of their client. Root samples were obtained in sealed packets from the above site with no reference given as to the types of tree or shrub from which they may have originated.

The results were as follows -

Trial pit/ Borehole number	Root diameter (mm)	Tree, shrub or climber from which root originates	Result of starch test
TP1 (USF)	4 mm	Acer spp. 2 roots	Positive
TP1 (USF)	1 mm	Monocotyledon spp.	Negative
BH1 (to 2.2m)	4 mm	Monocotyledon spp. 6 roots	Negative
BH1 (to 2.2m)	1 mm	Acer spp. 2 roots	Positive

Acer spp. are maples, including sycamore, Norway maple, and Japanese maples.
Monocotyledon spp. include palms, grasses, bamboos and lilies.


MDM


APC

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Plant Anatomist: Dr G S Turner B.Sc. (Hons), M.Sc., Ph.D

Plant Anatomist: A P Cross B.Sc. (Hons.)

Consultant: Dr M P Denne B.Sc. (Hons), M.Sc., Ph.D

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