


Meridian Site Investigations Limited

20 Dukes Avenue
Southminster
Essex, CM0 7HA



Factual Report

Client: Redbourne Consultants RC 2058/23

Site Address: 62A Savernake Road, London, NW3 2JR.
Date of site work: 20.12.2023

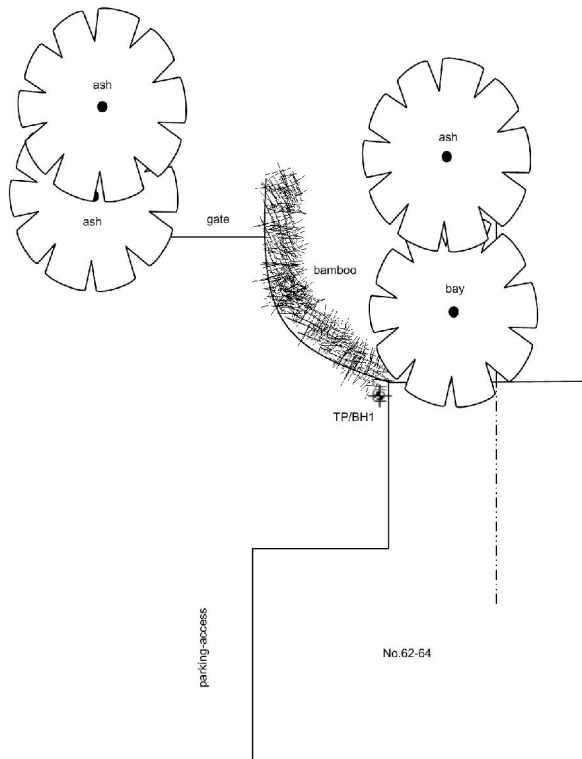
Meridian Site Investigations Limited

20 Dukes Avenue, Southminster, Essex, CM0 7HA.

Paul: [REDACTED]

Jon: [REDACTED]

Location:	62A Savernake Road, London, NW3 2JR.	Date:	December 2023
Title:	Site Location Plan	Ref:	MSI.1464



Scale: NTS

Meridian Site Investigations Limited			TP/BH Ref No.:- 1		Sheet 1 of :- 1			
JOB REF:- MSI.1464			FOUNDATION DETAILS:-			Note:-		
LOCATION:-						a= Depth to G.L 200 b= Depth to U/S 600 c= Projection 240 d= Thickness 1 180		
62A Savernake Road, London, NW3 2JR.						Dimensions in mm.		
METHOD OF EXCAVATION:- Hand Auger								
SITE WORK:- 20.12.23								
Description	Legend	Depth	Root observations	Samples		Tests		Field observations
				Type	Depth	Type	Depth	
Concrete.	[Pattern]	0.20						
MADE GROUND: Firm mottled brown silty CLAY, fine to medium sand, fine to medium gravel, fine brick, mortar and concrete fragments.	[Pattern]	0.20-0.4						Fine to coarse roots observed.
U.S footing:	[Pattern]	0.60	0.60	R.1-D.1	0.60	V.=61	0.60	Fine and fibrous roots.
	[Pattern]	1.00	1.00	R.2-D.2	1.00	V.=72	1.00	Fine and fibrous roots.
	[Pattern]	1.50	1.50	D.3	1.50	V.=83	1.50	Fibrous roots observed.
	[Pattern]			D.4	2.00	V.=101	2.00	
	[Pattern]			D.5	2.50	V.=115	2.50	
	[Pattern]			D.6	3.00	V.=125	3.00	
	[Pattern]			D.7	3.50	V.=133	3.50	
	[Pattern]			D.8	4.00	V.=142	4.00	
	[Pattern]			D.9	4.50	V.=150+	4.50	
	[Pattern]			D.10	5.00	V.=150+	5.00	
END OF BOREHOLE.								Borehole dry on completion.
Key to sample testing/collection.			R.	Root sample		V.	Shear Vane test	
U.	Undisturbed sample		D.	Disturbed bag sample		P.	Mackintosh Probe/ blows per 75mm.	
B.	Bulk disturbed sample		W.	Water sample				

Meridian Soils Limited

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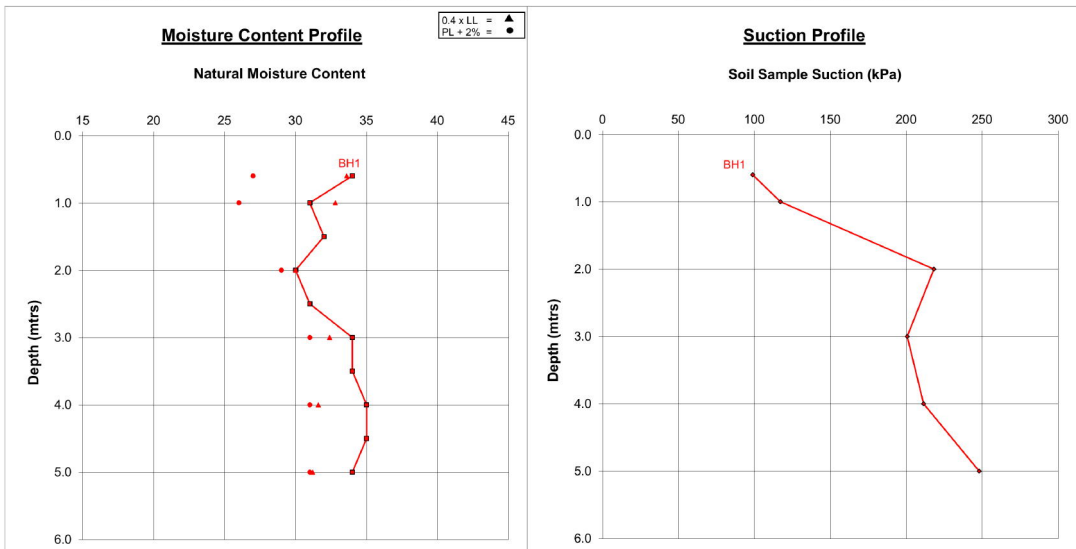
Web: www.meridiansoils.co.uk

Our Ref: S.15401

Location: 62A Savernake Road, London, NW3 2JR

Client Ref: MSI.1464

Date: 17th January 2024



NOTES

- 1 Unless specifically noted, the profiles have not been related to a site datum.
- 2 If plotted, 0.4 LL and PL +2 (after Driscoll, 1983) should only be applied to London Clay (and similar overconsolidated clays) at shallow depths.

- 3 If shown, the theoretical equilibrium profiles (defining the assumed typical range for the value of $K_0=1.0$ and $K_0=2.5$) are based on conventional assumptions associated with London Clay and other similarly overconsolidated clays at shallow depths and include a component of sample disturbance appropriate to the method of soil sampling and any recompaction. The theoretical equilibrium profile lines are only set as a guide and would be subject to change dependant upon the subsoil conditions.

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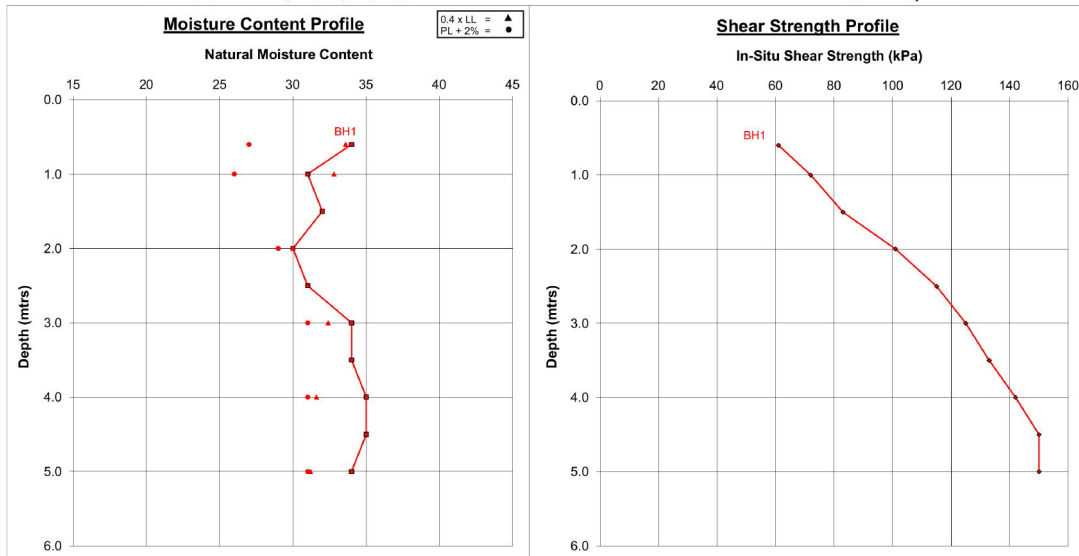
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- NOTES
- 1 Unless specifically noted, the profiles have not been related to a site datum
 - 2 If plotted, 0.4 LL and PL +2 should only be applied to London Clay (and similar overconsolidated clays) at shallow depths. (Driscoll, 1983).
 - 3 Unless otherwise stated, values of Shear Strength were determined in situ using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 150 kPa

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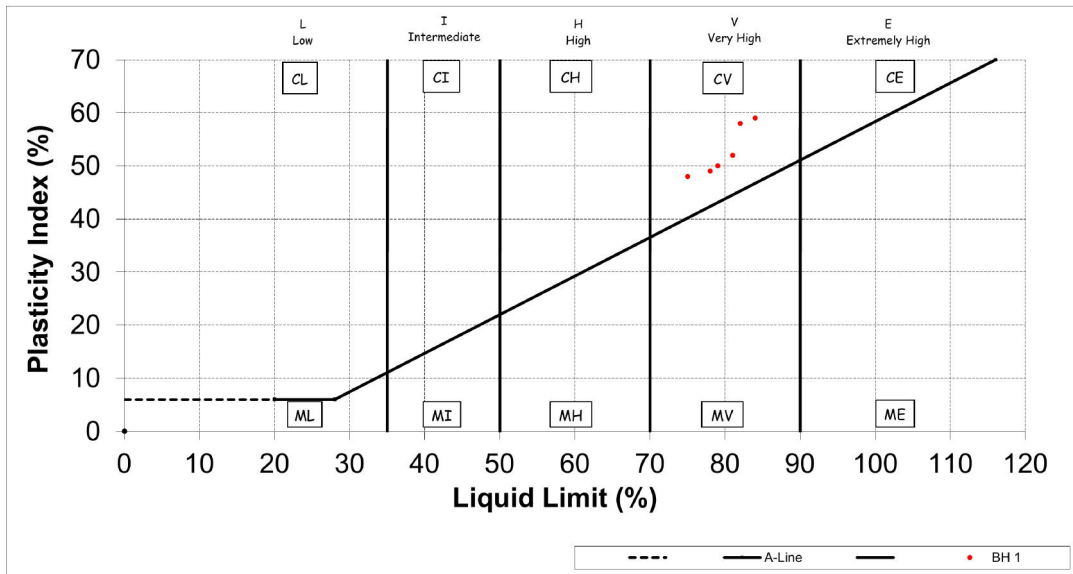
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In Compliance with BS. 5930: 1981

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TP/BH No.	Sample No.	Depth mtrs.	Moisture Content %	Passing 0.425um sieve %	Equivalent Moisture %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Soil Class	Filler Paper contact time (Hours)	Soil Sample Suction (kPa)	Water Soluble Sulphate	Class	pH value	In situ Shear Vane Strength (kPa) Mackintosh Probe (Blows Per 75mm)
1		0.60 (U.S)	34	100	34	84	25	59	CV	168	99				V.= 61
		1.00	31	100	31	82	24	58	CV	168	117				V.= 72
		1.50	32												V.= 83
		2.00	30	100	30	75	27	48	CV	168	218				V.= 101
		2.50	31												V.= 115
		3.00	34	100	34	81	29	52	CV	168	201				V.= 125
		3.50	34												V.= 133
		4.00	35	100	35	79	29	50	CV	168	211				V.= 142
		4.50	35												V.= 150
		5.00	34	100	34	78	29	49	CV	168	248				V.= 150

References

BS 1377:Part 2:1990

BS 5930:1981

BRE IP 4/93

Shear strength values determined in-situ using a pilcon direct reading hand vane tester unless stated otherwise.



Root identification
Vegetation surveys
Tree/Building investigations
Plant taxonomy

Richardson's Botanical Identifications

Dr Ian B K Richardson
BSc, MSc, PhD, MRSB, FLS
James Richardson
BSc (Hons. Biology)

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Reading
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Meridian Site Investigations Ltd.
20 Dukes Avenue
SOUTHMINSTER
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CM0 7HA

16/01/2024

Dear Paul

62A Savernake Road, London NW3 2JR

The samples you sent in relation to the above on 21/12/2023 have been examined. Their structures were referable as follows:

TP/BH1, u/s footing - R.1		
7 no.	Examined root: LAURUS (Bay).	Alive, recently* .
5 no.	Examined root: a member of the monocotyledon group of plants. Most are non-woody, but there are a few woody examples - such as Bamboos, Palms, Agaves, Yuccas and Cordylines.	Alive, recently* .
20 no.	Unfortunately all with insufficient cells for identification.	
BH1, 1.00m - R.2		
5 no.	Examined root: LAURUS (Bay).	Alive, recently* .
4 no.	Examined root: again like members of the monocotyledon group of plants - see above.	Alive, recently* .
12 no.	Unfortunately all with insufficient cells for identification.	

Click here for more information: [LAURUS](#)

I trust this is of help. Please call us if you have any queries; our Invoice is enclosed.

Yours sincerely

Dr Ian B K Richardson

* Based mainly on the iodine test for starch. Starch is present in some cells of a living woody root, but is more or less rapidly broken down by soil micro-organisms on death of the root, sometimes before decay is evident. This result need not reflect the state of the parent tree.

** Try out our web site on www.botanical.net **

Identified with no information on vegetation, on or off site.

MSI.1464

62A Savernake Road, London.

20.12.23

