



Site Investigation Report

Location

12 Heath Hurst Road
Hampstead
London
NW3 2RX

Client: Crawford & Company



Compiled by: T Coates
Site Visit Date: 01/05/2019

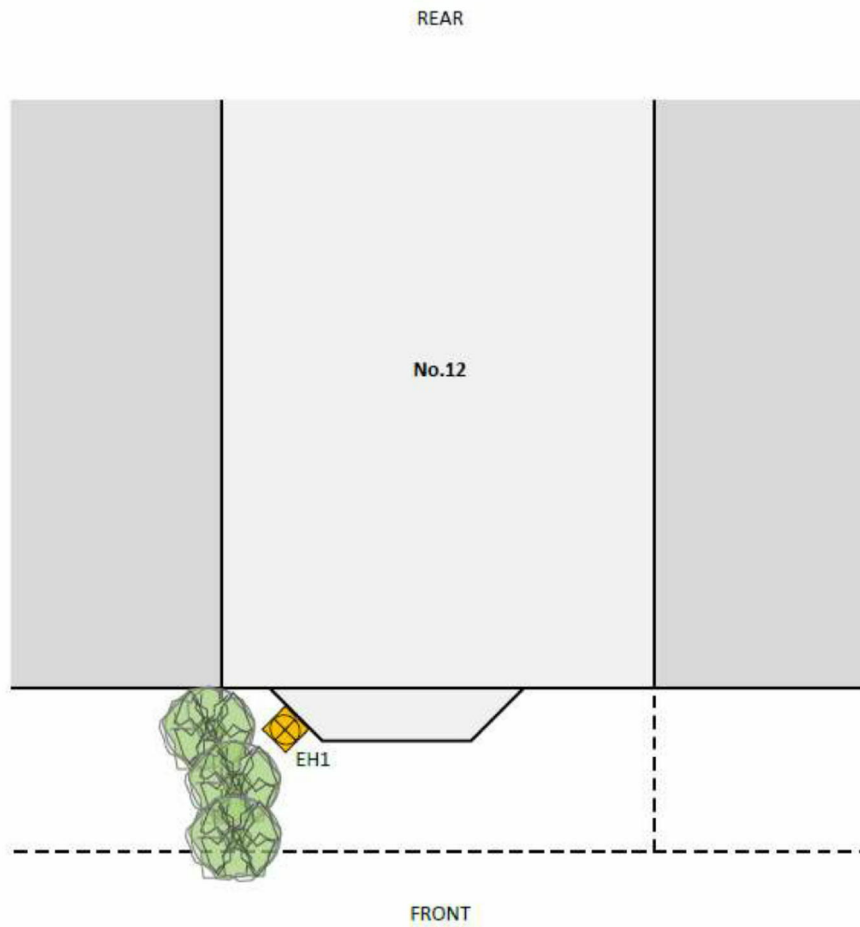


Figure 1 – Site Plan

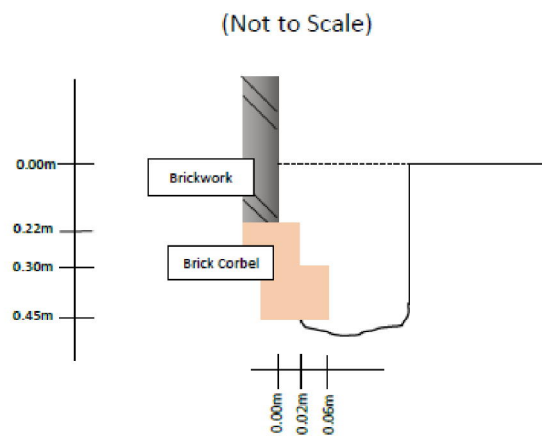


Figure 2 – EH1 cross-section



optera		Hand Auger Log									
Project Name: Heath Hurst Road				Client: Crawford & Company				Date:			
Location: 12 Heath Hurst Road Hampstead London NW3 2FX				Contractor: Optera				Drilling Equipment:			
Borehole Number: EH1				Hole Type: HA		Logged By: PC		Scale: 1:50		Page Number: Sheet 1 of 1	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Legend	Stratum Description				
		Depth (m)	Type	Results							
		0.50	D	HVP=70	0.60	[Pattern]	MADE GROUND: Soft dark brown slightly sandy slightly gravelly clay with occasional roots and occasional brick.				
		0.50	RS								
		1.00	D								
		1.00	RS								
		1.50	D	HVP=76	1.90	[Pattern]	MADE GROUND: Firm greyish brown slightly sandy slightly gravelly clay with occasional roots and rare brick. Below 1.40m rare pockets of chalk.				
		1.50	RS								
		2.00	D								
		2.00	RS								
		2.40	RS	HVP=84	3.00	[Pattern]	Firm greyish brown slightly sandy CLAY with occasional roots and rare pockets of chalk. Below 2.40m roots absent.				
		2.40	D								
		3.00	D								
		3.00	D								
							End of Borehole at 3.000m				
Hole Diameter		Casing Diameter		Chiselling			Inclination and Orientation				
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
Remarks										AGS	
Roots visible to 2.40m.											



BS1377:Part 2:1990 SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS											
Borehole / Trial Pit	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 42.5µm %	Aterberg Classification	Test Type Sample Condition
BH1	0.50		D	Dark brown sandy CLAY with much fine to medium gravel.	24.9						~
BH1	1.00		D	Brown CLAY with rare fine gravel.	28.0	71	25	46	99	CV	2 1
BH1	1.50		D	Brown CLAY with rare fine gravel.	27.9						~
BH1	2.00		D	Brown CLAY with rare fine gravel.	26.3	69	24	45	99	CH	2 1
BH1	2.50		D	Brown mottled grey CLAY with rare fine gravel.	29.0						~
BH1	3.00		D	Brown mottled grey CLAY with rare fine gravel.	28.3	72	24	48	99	CV	2 1

4014 - London

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

BH1, 0.5m	
3 no.	Examined root: FRAXINUS (Ash).
2 no.	Both samples revealed too few cells for microscopic identification.
BH1, 1.0m	
4 no.	Unfortunately all with insufficient cells for identification.
BH1, 1.5m	
1 no.	A piece of BARK only, insufficient material for identification.
BH1, 2.0m	
2 no.	Examined root: not a conifer. Could be either HEDERA (Ivy) or the related FATSIA (a robust shrub with fig-like leaves), SAMBUCUS (Elder) - or - possibly the family SALICACEAE (Salix (Willows) and Populus (Poplars)). Tentative - this was a very IMMATURE sample (under 0.1mm in diameter); it also had NO BARK.
2 no.	Both samples revealed too few cells for microscopic identification.
BH1, 2.4m	
1 no.	Examined root: too DECAYED for identification.
3 no.	Unfortunately all with insufficient cells for identification.



Summary

GENERAL:

Site works consisted of a single trial-pit, extended by hand-auger to form a borehole.

BOREHOLE:

EH1 was formed using a hand-auger and taken to 3.00mbgl.

ROOTS:

Roots of live appearance were encountered in EH1 to a depth of approx. 2.40mbgl.

WATER STRIKES:

No water strikes were encountered, and the hole was open and dry on completion.



PHOTOGRAPHS:



Photo 1 – EH1 Foundation Pit