



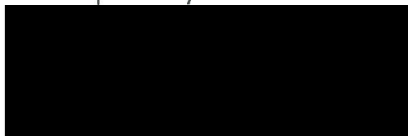
GEOLOGICAL
GEOTECHNICAL
GEOENVIRONMENTAL
DATA ACQUISITION
CONSULTANCY



Intrusive Site Investigation Report

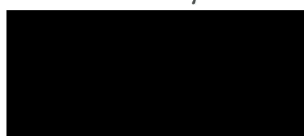
LOCATION	85 St Augustines Road, London NW1 9RR
ISSUE DATE	27 June 2019
FOR	B Maule & Co Ltd
CLIENT REF.	[REDACTED]
OUR REF.	[REDACTED]

Prepared by



Stuart Howe BSc(Hons)
Engineering Geologist

Checked by



Ross Nicolson BSc(Hons) MSc(Eng) CEng MIMM
Principal Geotechnical Engineer

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1. Introduction

In accordance with your instruction of 28 January 2019 Geoinvestigate Ltd. carried out a site investigation at the above property on 23 May 2019.

2. Scope of Investigation

A single trial pit was hand excavated to a depth of 0.60m (TP1) at the position shown on the site plan presented in Appendix 1. Excavation was continued at the base of the trial pit by the sinking of a percussion window sampling borehole to a depth of 2.50m (BH1).

Information on the foundation and ground conditions revealed by the investigation is presented on the trial pit diagram and borehole log which are included in Appendix 1 of this report. The results of hand vane shear strength tests which were carried out at selected depths are shown on the diagram and log also.

The results of Plastic Limit, Liquid Limit and moisture determinations are presented in Table 1 in Appendix 1.

Moisture and strength profiles are shown against depth on the graphs also presented in Appendix 1.

A report on the identification of roots recovered between depths of 0.25m and 1.60m in TP/BH1 is presented in Appendix 2 of this report.

We trust that you will find the results of this investigation satisfactory and we would be pleased to provide any further assistance you may require with this matter.

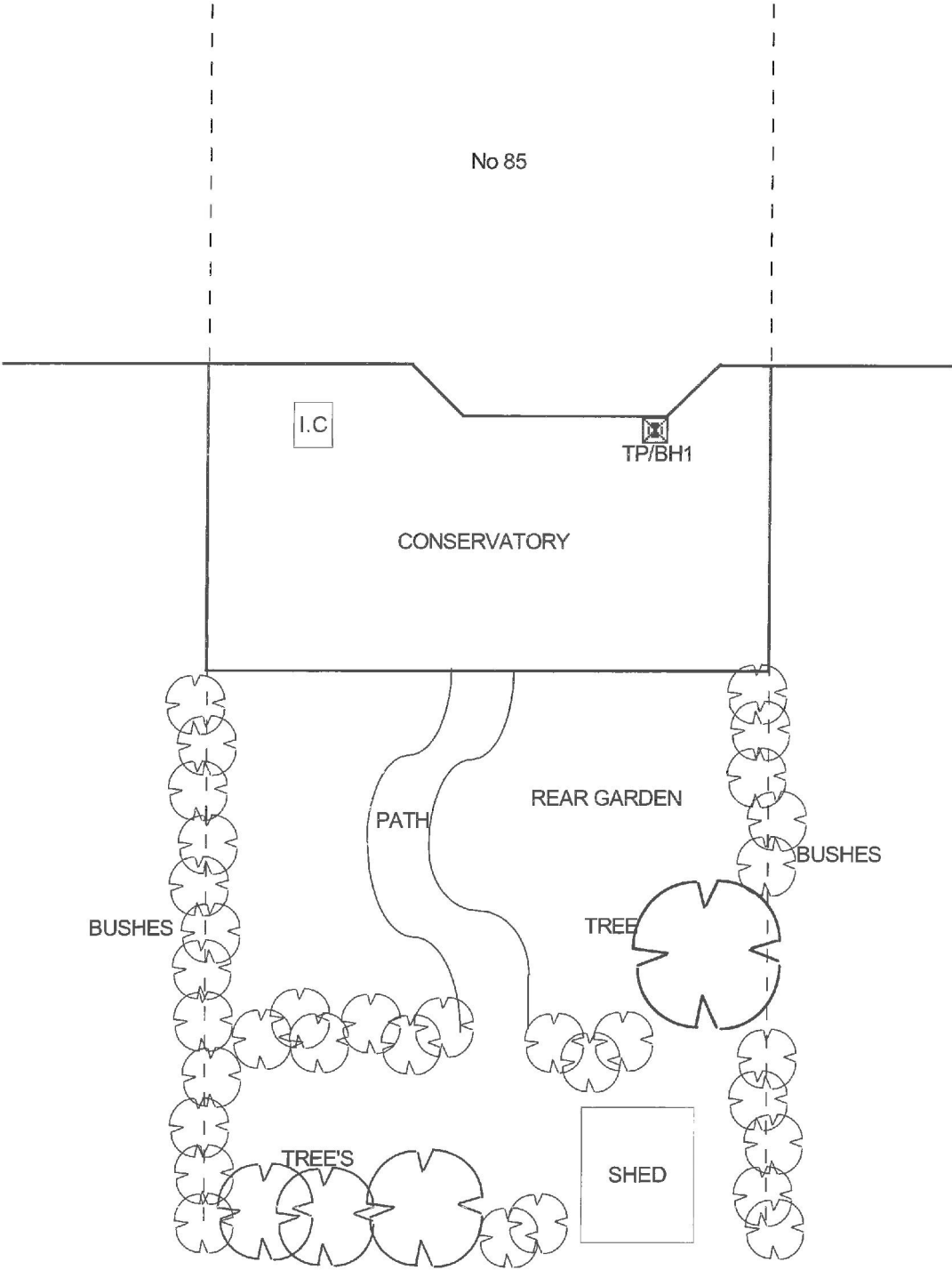
END OF REPORT



APPENDIX 1
SITE PLAN,
TRIAL PIT DIAGRAM / BOREHOLE LOGS
MOISTURE CONTENT / SHEAR STRENGTH PROFILES
AND
ATTERBERG LIMIT TEST RESULTS

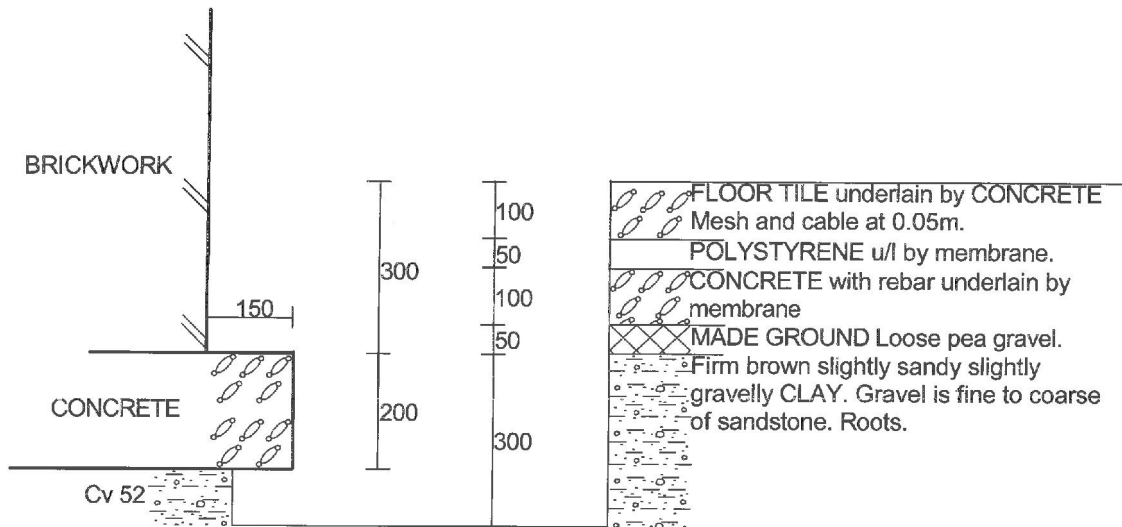
GEOINVESTIGATE Ltd.

OUR REF: [REDACTED]	YOUR REF: [REDACTED]	SITE PLAN (NOT TO SCALE)
DATE: 23/05/19	LOCATION: 85 Saint Augustines Road, London NW1 9RR	



GEOINVESTIGATE Ltd.

OUR REF: [REDACTED]	YOUR REF: [REDACTED]	TRIAL PIT: 1
DATE: 23/05/19	LOCATION: 85 Saint Augustines Road, London NW1 9RR	



GEOINVESTIGATE Ltd.









Your Ref. [REDACTED]

Our Ref. [REDACTED]

BH No.1 Sheet No. 1 of 1

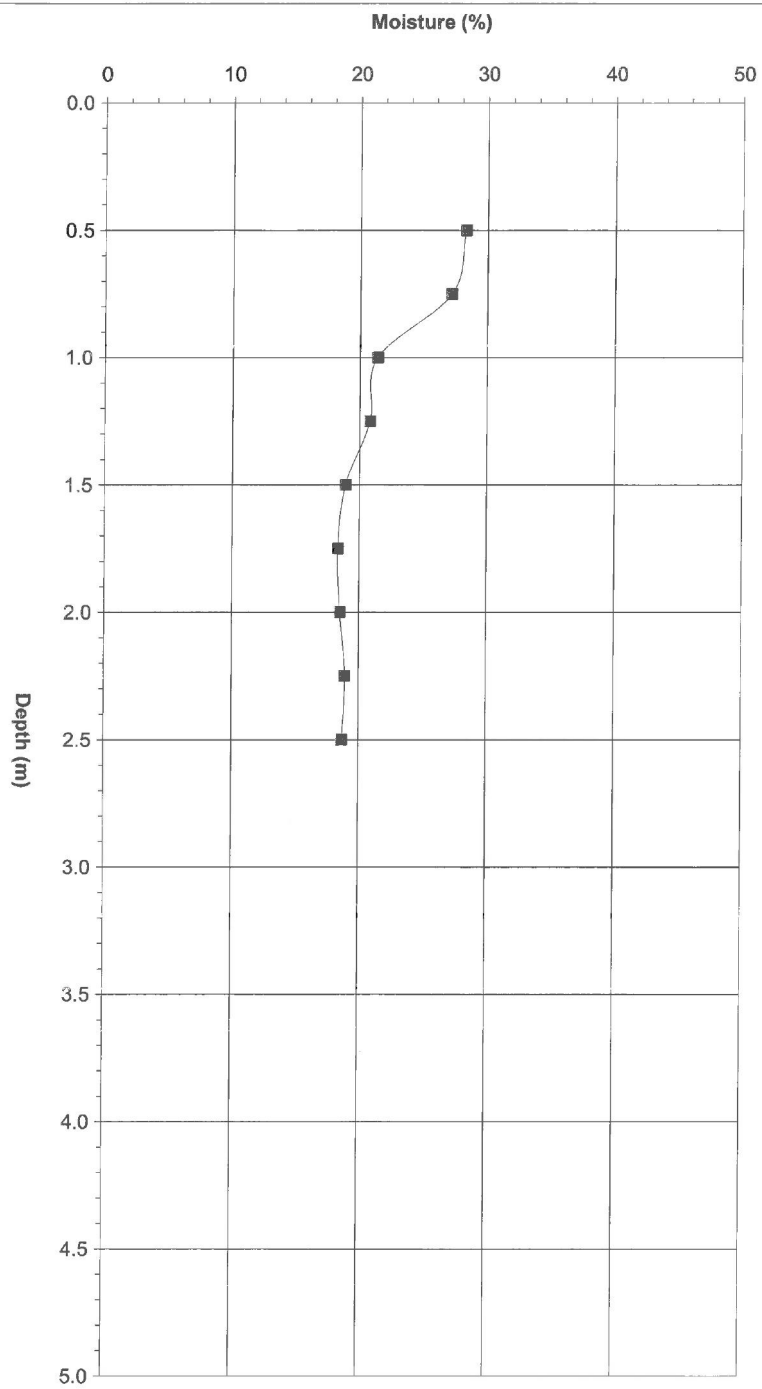
Location: 85 St Augustines Road, London NW1 9RR

DATE: 23/05/19

Depth (m)	Description of Strata	Thick-ness	Legend	Sample	Test Type Result	Root Information	Depth to Water	Depth (m)
	Trial Pit				Cv kN/m ²			
		600				Roots from 0.25m to 0.50m		0.25
0.60	Base of foundation at 0.50m			O				0.50
0.90	Firm brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse of sandstone. Roots.	300		O	70			0.75
	Stiff brown mottled grey in places CLAY.			O	110			1.00
				O	114			1.25
				O	140	Roots from 0.50m to 1.60m		1.50
	Becoming laminated from 1.80m	1600		O	140			1.75
				O	140			2.00
				O	140			2.25
2.50				O	140			2.50
	Borehole terminated at 2.50m due to refusal.							

Remarks: Hand excavated to 0.60m
Percussion window sampling to 2.50m
Borehole remained open and dry on completion

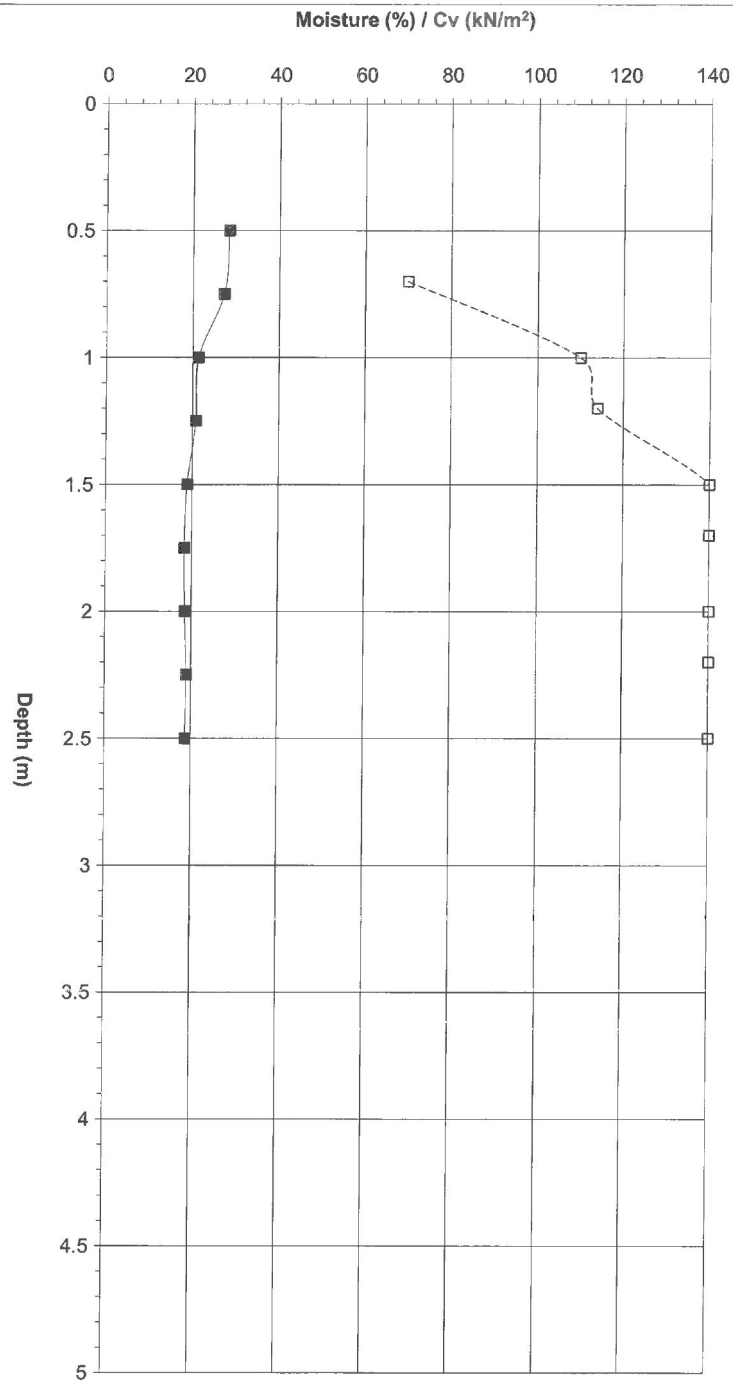
Key: O Disturbed sample
Cv Shear vane
W Water sample



Moisture / depth profile BH1
G19039

Moisture and shear strength depth profile BH 1

G19039



GEOINVESTIGATE Ltd.

Atterberg Limit Test Results

Our ref. [REDACTED]

Your ref. [REDACTED]

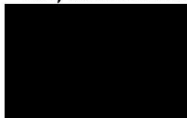
Table 1

Location: 85 St Augustines Road, London NW1 9RR

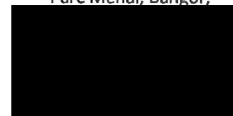
TP / BH No.	Sample Depth (m)	Insitu Moisture Content (%)	% Passing BS 425 Micron Sieve	Corrected Moisture Content (%)	Plastic Limit (%)	Liquid Limit (%)	Plasticity Index (%)	Soil Classification
1	0.50	28.3	>95	28.3	18.7	70.0	51.3	CH
	0.75	27.2						
	1.00	21.4	>95	21.4	29.7	82.7	53.0	CV
	1.25	20.8						
	1.50	18.9						
	1.75	18.3						
	2.00	18.5	>95	18.5	31.0	81.3	50.3	CV
	2.25	18.9						
	2.50	18.7	>95	18.7	26.6	70.1	43.5	CV

APPENDIX 2
EPSL ROOT IDENTIFICATION REPORT
AND
PHOTOGRAPHS OF EXCAVATIONS

Geo Investigate
Terry Dicken Industrial Estate



Intec
Parc Menai, Bangor,



ROOT IDENTIFICATION

85 St Augustines Road, London, NW1 9RR

Client Reference: [Redacted]
Report Date: 26 June 2019
Our Ref: R31368

Sub Sample		Species Identified		Root Diameter	Starch
TP/BH1:					
0.25-0.5m	<i>Platanus</i> spp.	1	6 mm	Moderate	
0.5-1.6m	<i>Platanus</i> spp.	1	1.5 mm	Low	

Comments:

1 - Plus 2 others also identified as *Platanus* spp.

Platanus spp. include London plane and Oriental plane.

Signed: M D Mitchell

Unless we are otherwise instructed in writing, the above sample material will normally be disposed of 6 years after the date of this report.



INVESTOR IN PEOPLE



GEOINVESTIGATE LTD

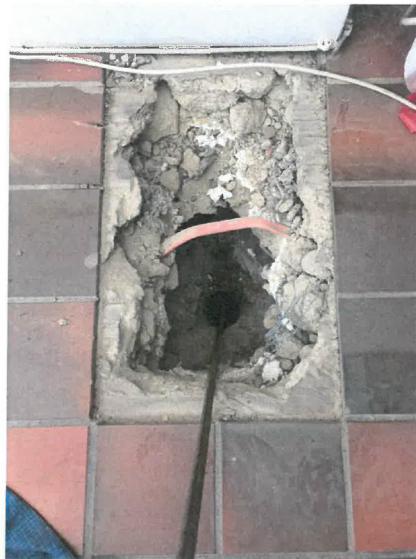
Photographs

Location: 85 St Augustines Road, London NW1 9RR

Photograph 1 – View of TP/BH1 position.



Photograph 2 – Close up of footing in TP/BH1.



Photograph 3 – Re-instated pit.

