



Geotechnical Survey Report

FSI Ref: 25021
Issue Date: October 2022

Risk Address: 61 Chalk Hill
West End
Southampton
SO18 3BY

Company: Claims Consortium Group
Claim Ref: 0654214204

Managing Director:
Finance Director:

Martin Rush MSc FGS
Louise Banks BSc (Hons)

Geotechnical Compliance &
Logistics Supervisor:

Perry Martin MCIHT

Laboratory Manager:

Jade McLellan

Senior Geologist:
Assistant Geologist:
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Appendix No: 1

FSI Ref: 25021

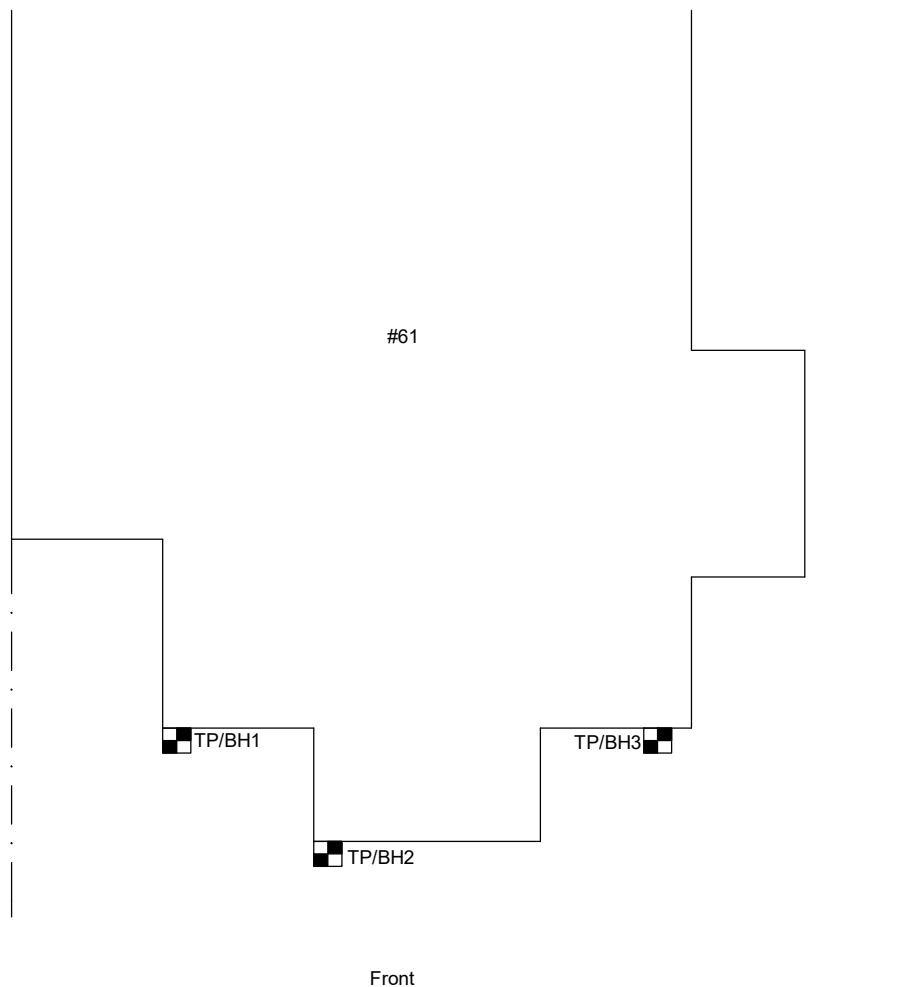
SITE PLAN

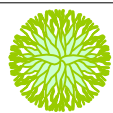
Property Address: 61 Chalk Hill, West End, Southampton, SO18 3BY

Client Claim Ref: 0654214204

Survey date: 10/10/2022

Operative: 25021



Scale: NTS	Drawn by: SB	Key:  Trial Pit  Borehole  Manholes  Rain Water Pipe  Soil & Vent Pipe  Surface Water Gully  Foul Water Gully  Shrub  Tree (Conifer)  Tree (Deciduous)
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Appendix No: 2
FSI Ref: 25021

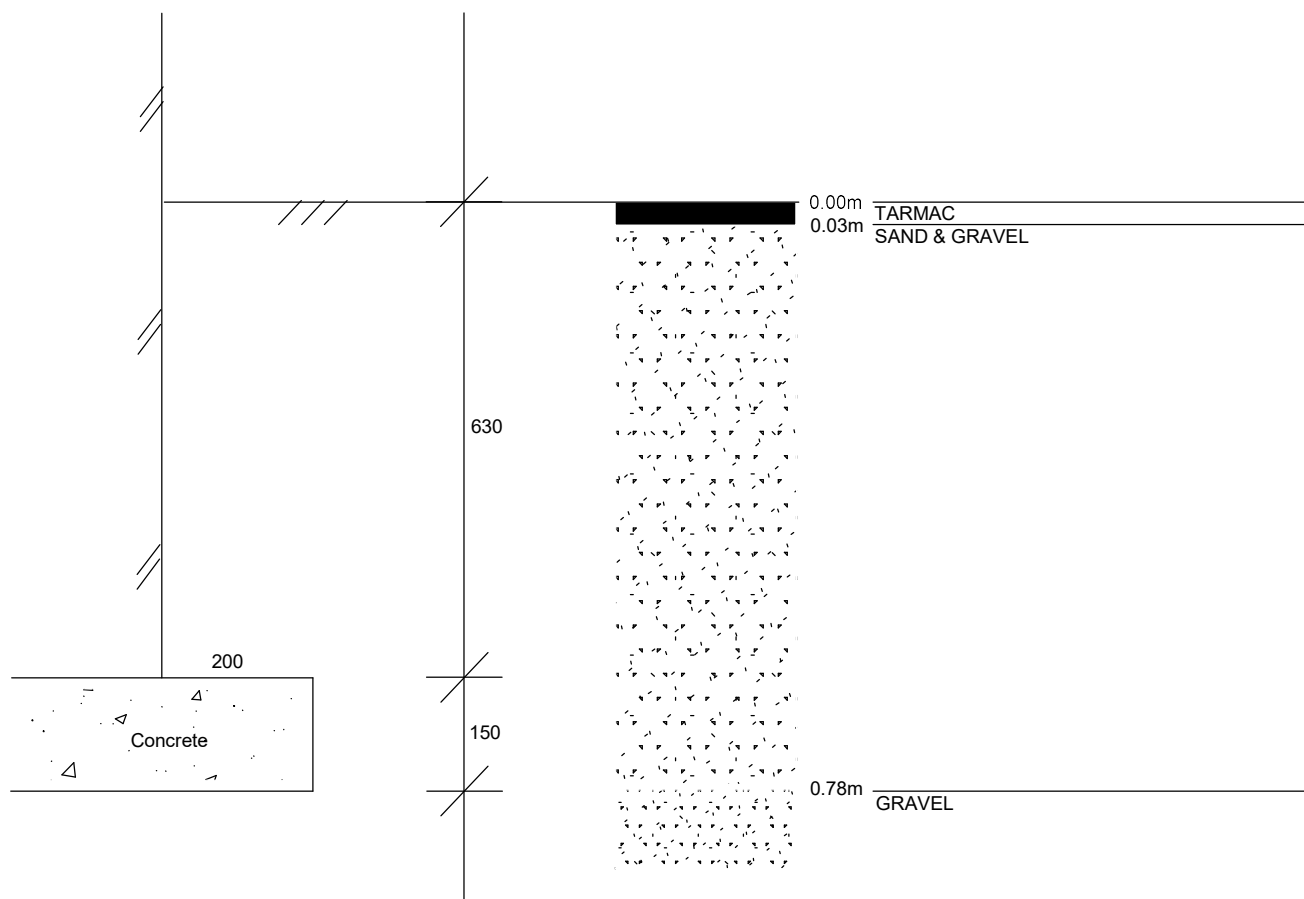
TRIAL PIT 1

Property Address: 61 Chalk Hill, West End, Southampton, SO18 3BY

Client Claim Ref: 0654214204

Survey date: 10/10/2022

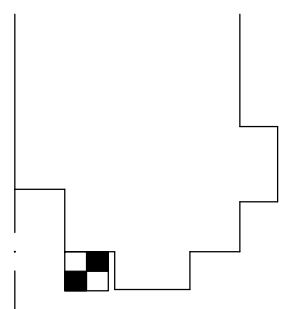
Operative: SW1



D1 @ F.L. (0.78m)
MP=100/25mm
Founding strata: GRAVEL

D= small disturbed sample, B= large bulk sample, U= undisturbed sample,
MP= mackintosh probe blow counts, V= shear vane reading (kPa)

Trial Pit Location:



Drawn by:

SB

Scale:

1:10

		Fastrack Site Investigations Ltd Unit 9, Tyndales Farm Southend Road Maldon CM9 6TQ		Borehole Log		Borehole No. BH1 Sheet 1 of 1	
Project Name: 0654214204			Project No. 25021		Site Date: 10/10/2022		Hole Type BH
Location:		61 Chalk Hill, West End, Southampton, SO18 3BY					Scale 1:10
Client:		Claims Consortium Group					Logged By SW1
Water Strikes	Sample and In Situ Testing			Depth (m)	Legend	Stratum Description	
	Depth (m)	Type	Results				
	0.78	D	MP = 100/25mm	0.03		TARMAC SAND & GRAVEL	
				0.78 0.81		GRAVEL Foundation level-0.78m	
						End of Borehole at 0.810m	
Key: D - Disturbed Sample V - Insitu Vane Test MP - Mackintosh Probe Test							
Remarks: Borehole closed at 0.81m due to an obstruction. Borehole noted to be dry on completion.							



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Appendix No: 2
FSI Ref: 25021

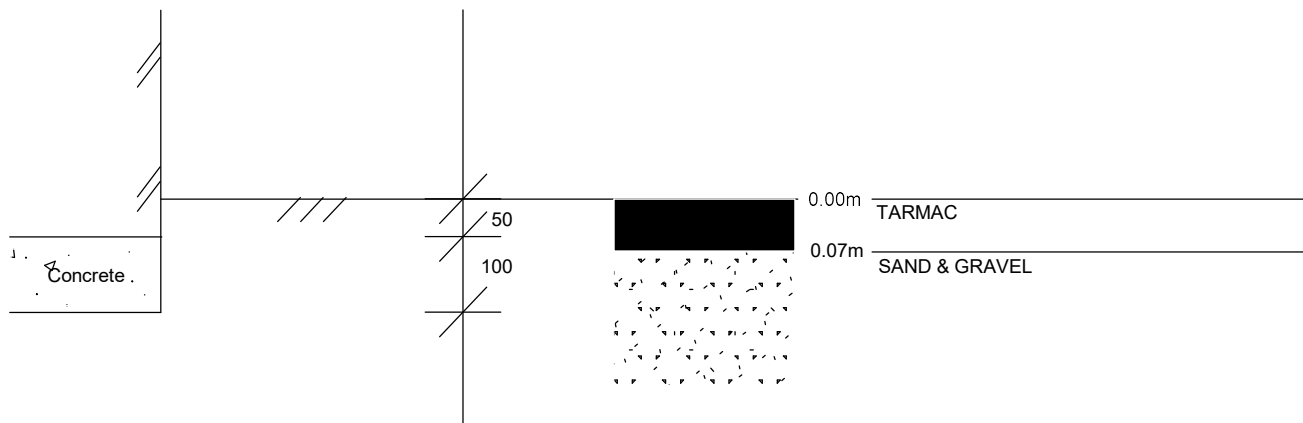
TRIAL PIT 2

Property Address: 61 Chalk Hill, West End, Southampton, SO18 3BY

Client Claim Ref: 0654214204

Survey date: 10/10/2022

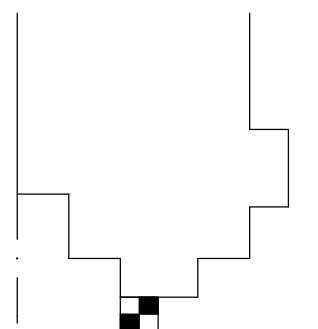
Operative: SW1



D1 @ F.L. (0.15m)
MP=80-55-100/25mm
Founding strata: SAND & GRAVEL

D= small disturbed sample, B= large bulk sample, U= undisturbed sample,
MP= mackintosh probe blow counts, V= shear vane reading (kPa)

Trial Pit Location:

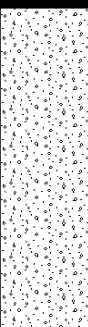


Drawn by:

SB

Scale:

1:10

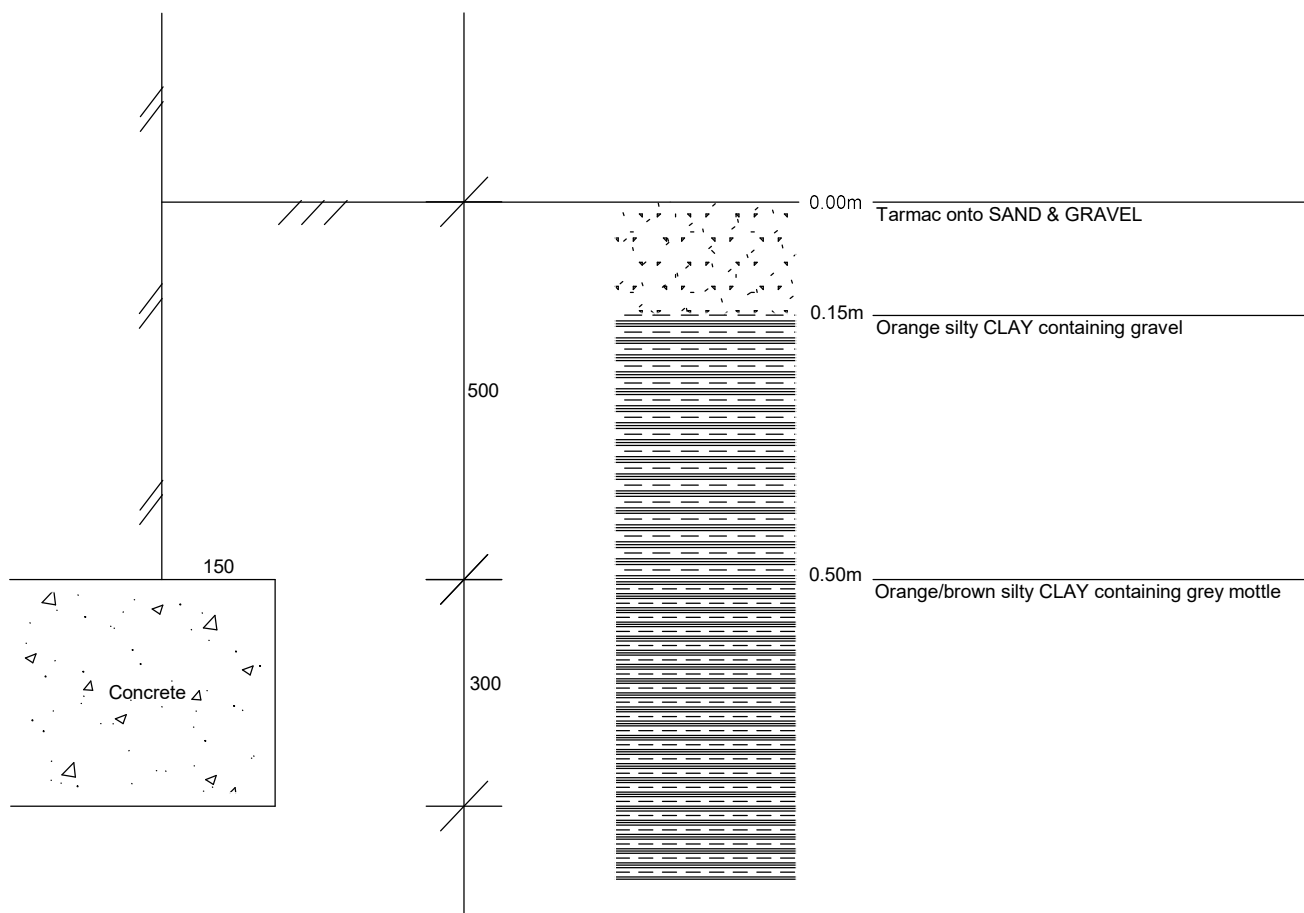
		Fastrack Site Investigations Ltd Unit 9, Tyndales Farm Southend Road Maldon CM9 6TQ		Borehole Log		Borehole No.	
						BH2 Sheet 1 of 1	
Project Name: 0654214204			Project No. 25021		Site Date: 10/10/2022		Hole Type BH
Location:		61 Chalk Hill, West End, Southampton, SO18 3BY					Scale 1:10
Client:		Claims Consortium Group					Logged By SW1
Water Strikes	Sample and In Situ Testing			Depth (m)	Legend	Stratum Description	
	Depth (m)	Type	Results				
	0.15	D	MP = 80/25mm MP = 55/25mm MP = 100/25mm	0.07	 TARMAC  SAND & GRAVEL	Foundation top-0.05m (Concrete construct has a thickness of 100mm) Foundation level-0.15m Noted to contain hairlike-2mm roots at F/L	
	0.50	D	MP = 100/20mm	0.50 0.52	 GRAVEL	End of Borehole at 0.520m	
Key: D - Disturbed Sample V - Insitu Vane Test MP - Mackintosh Probe Test							
Remarks: Borehole closed at 0.52m due to an obstruction. Borehole noted to be dry on completion.							

TRIAL PIT 3

Property Address: 61 Chalk Hill, West End, Southampton, SO18 3BY

Client Claim Ref: 0654214204

Survey date: 10/10/2022

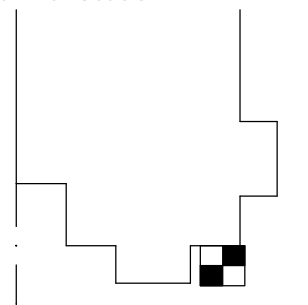
Operative: SW1


D1 @ F.L. (0.80m)

V = 64-92kPa

Founding strata: Orange/brown silty CLAY containing grey mottle

D= small disturbed sample, B= large bulk sample, U= undisturbed sample,
MP= mackintosh probe blow counts, V= shear vane reading (kPa)

Trial Pit Location:

Drawn by:

SB

Scale:

1:10



Fastrack Site Investigations Ltd
Unit 9, Tyndales Farm
Southend Road
Maldon CM9 6TQ

Borehole Log

Borehole No.

BH3

Sheet 1 of 1

Project Name: 0654214204

Project No.
25021

Site Date: 10/10/2022

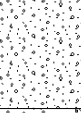
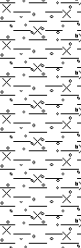
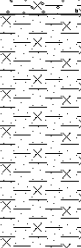
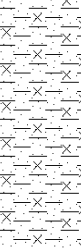
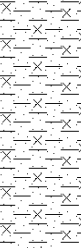
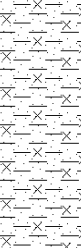
Hole Type
BH

Location: 61 Chalk Hill, West End, Southampton, SO18 3BY

Scale
1:10

Client: Claims Consortium Group

Logged By
SW1

Water Strikes	Sample and In Situ Testing			Depth (m)	Legend	Stratum Description	
	Depth (m)	Type	Results				
				0.15		Tarmac onto SAND & GRAVEL	
						Orange silty CLAY containing gravel	
				0.50		Orange/brown silty CLAY containing grey mottle <i>Foundation top-0.50m (Concrete construct projects 150mm with a thickness of 300mm)</i>	
	0.80	D	V (kPa) = 64 V (kPa) = 92			Foundation level-0.80m	1
	1.50	D	V (kPa) = 60 V (kPa) = 72			Clayey GRAVEL	
	1.80	D	MP = 100/45mm	1.80 1.85		End of Borehole at 1.850m	2

Key: D - Disturbed Sample V - Insitu Vane Test MP - Mackintosh Probe Test

Remarks: Borehole closed at 1.85m due to an obstruction.
Borehole noted to be dry on completion.
No roots found.





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Appendix No: 3
FSI Ref: 25021

LABORATORY RESULTS

Property Address: 61 Chalk Hill, West End, Southampton, Hampshire, SO18 3BY
Client Claim Ref: 654214204 **Client:** Claims Consortium Group

SAMPLE DETAILS		ANALYSIS REQUESTED	
Investigation date:	10/10/2022	Moisture Content	☒ PSD ☐
Sample details:	Bags as received	Liquid Limit	☒ Soil Suction ☐
Samples received:	13/10/2022	Plastic Limit	☒ Shear Strength ☐
Schedule recieved:	13/10/2022	Plasticity Index	☒ Contamination ☐
Samples tested:	14/10/2022-19/10/2022	Root ID	☒ Root/Tree DNA ☐
Results reported:	19/10/2022	Other (please state)	☐

TEST DETAILS

General

Sample descriptions were written in accordance with BS 5930:1999.

Samples were prepared in accordance with BS 1377: Part 1: 1990, section 7

Samples from this contract will be retained for 1 calendar month following the issue of this report unless otherwise notified

Written approval is required from Fastrack Site Investigations Limited to reproduce report in full. The results shown within this report only relate to the samples tested

Moisture Content

Samples were tested in accordance with BS 1377: Part 2: 1990, section 3.2 (Oven drying method)

In accordance with Note 1 to paragraph 3.2.4 of BS 1377 Part 2 1990; these moisture contents have been corrected to give the equivalent moisture content of the fraction passing the 425µm sieve, to enable comparison with the liquid & plastic limits. (If condition of test is 'natural' the retained percentage is an estimated value, if condition is 'washed' the percentage is a measured value).

Samples are dried at 105-110°C unless otherwise stated.

Atterberg Limits

Samples were tested in accordance with BS 1377: Part 2: 1990, section 4.3 (4 drop LL), 4.4 (1 drop LL), 5.3 (PL) and 5.4 (PI)

Test results on samples with a sand content, may show less accurate results. If condition of test is 'washed' results relate to the fraction passing the 425µm sieve only.

* Driscoll's rules deem the soil to be desiccated where the moisture content is less than the value calculated using driscoll's rule 1 and/or 2

Particle Size Distribution

Samples were tested in accordance with BS 1377: Part 2: 1990 section 9.2 (Wet sieving method)

Undrained Shear Strength

Samples were prepared in accordance with BS 1377: Part 7: 1990 section 8.3 and testing in accordance with BS 1377: Part 7: 1990: section 8.4 (undrained shear strength in triaxial compression without measurement of pore pressure (UU))

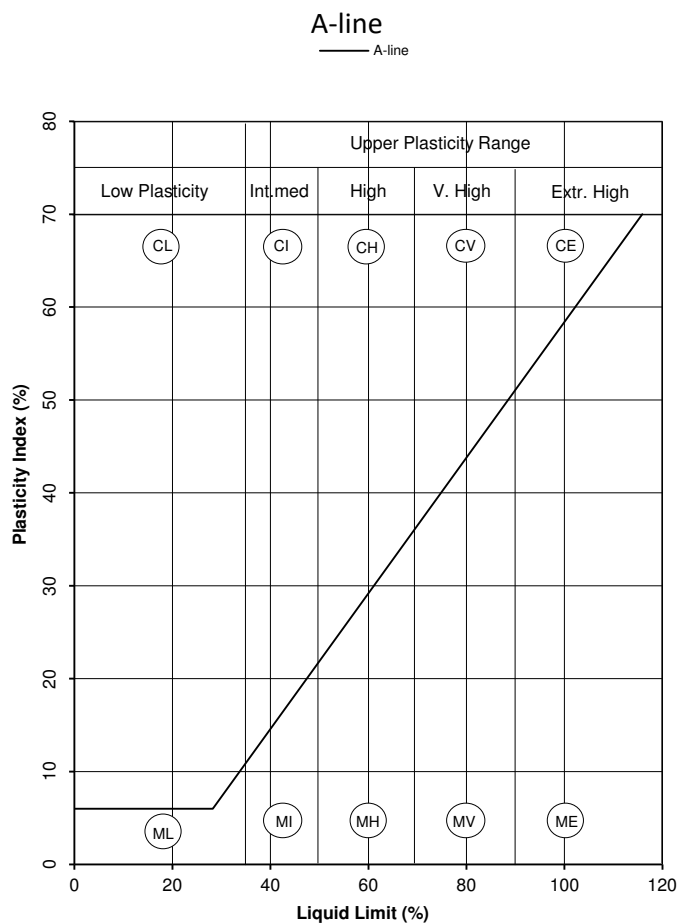
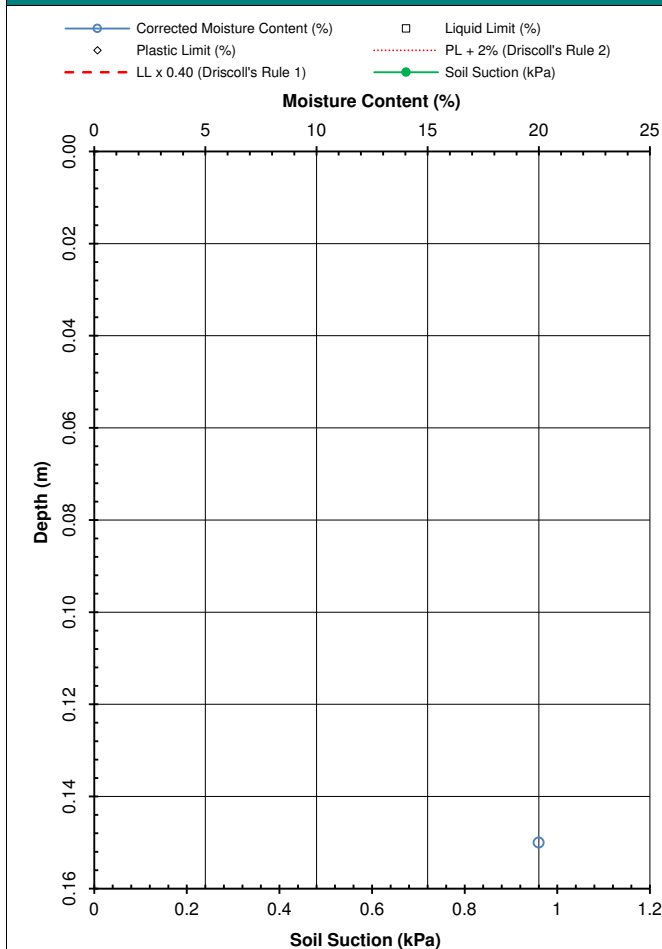
Soil Suction

Samples were prepared and tested based on the BRE digest No:IP4/93 (Corrected). 'A method of determining the state of desiccation in clay soils.' (Filter paper method).

Test results on samples with a sand or silt content, may show less accurate results. Deviation to standard procedure - Polythene bags are not used from weighing filter papers.

Property Address:	61 Chalk Hill, West End, Southampton, Hampshire, SO18 3BY
Client Claim Ref:	

BOREHOLE 2

[illegible]

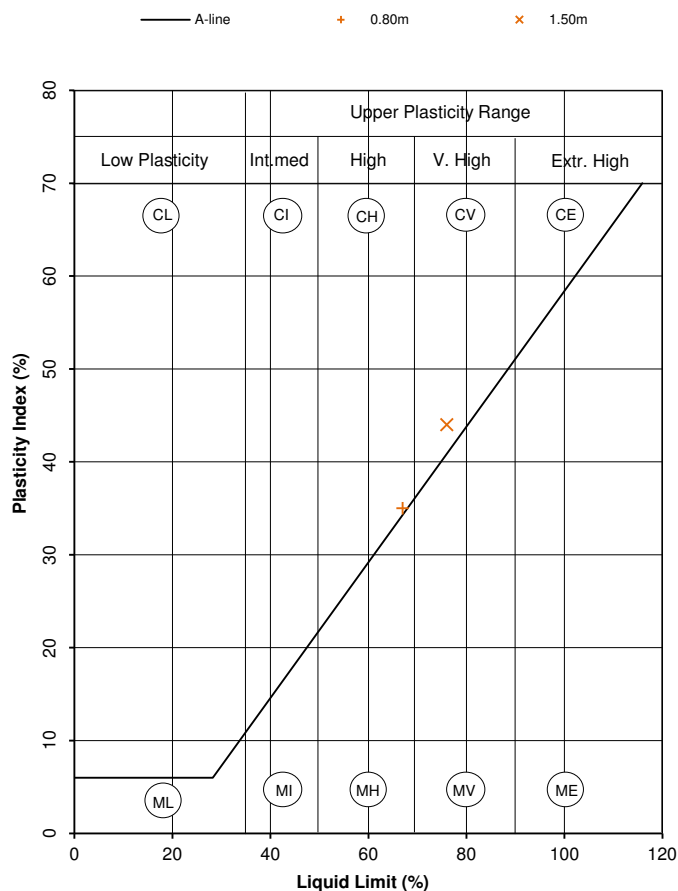
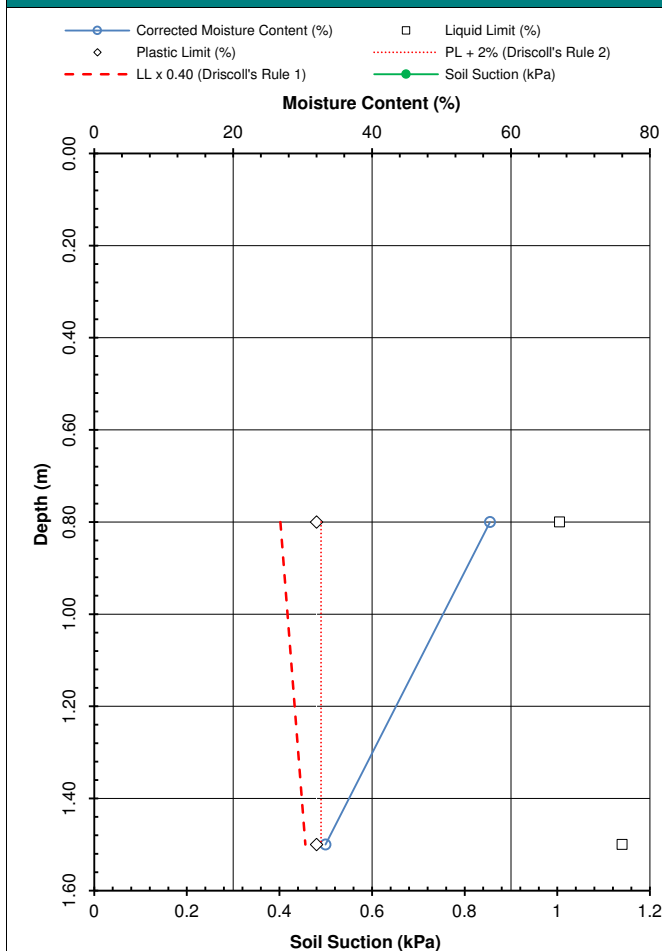
Comments:	BH2 @ 0.15m - Unable to perform atterberg limits due to incohesive soil
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Issued by: ☐ Jade McLellan (Laboratory Manager)
☒ Isabella Acerbis (Laboratory Supervisor)

☐	Ted Smith (Laboratory Technician)
☐	

Property Address:	61 Chalk Hill, West End, Southampton, Hampshire, SO18 3BY
Client Claim Ref:	

BOREHOLE 3

[illegible]

Comments:

Issued by: ☐ Jade McLellan (Laboratory Manager)
☒ Isabella Acerbis (Laboratory Supervisor)

☐ Ted Smith (Laboratory Technician)

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Tel: 01248 672652
Fax: 01248 672601

ROOT IDENTIFICATION

61 Chalk Hill, West End, SO18 3BY

Client Reference: 5000/25021
Report Date: 19 October 2022
Our Ref: R47366

Sub Sample	Species Identified		Root Diameter	Starch
BH1:				
0.4m	<i>Prunus</i> spp.	1	12 mm	Abundant
0.4m	Pomoideae gp.		1.5 mm	Abundant
BH2:				
0.15m	<i>Fagus</i> spp.	2	2 mm	Abundant

Comments:

- 1 - Plus 1 other also identified as *Prunus* spp.
- 2 - Plus 1 other also identified as *Fagus* spp.

Prunus spp. include blackthorn, cherry, cherry-laurel, Portuguese laurel, peach, plum, and related species.

Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.

Fagus spp. include common beech and copper beech.

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.

