



Geotechnical Survey Report

FSI Ref: 27992
Issue Date: May 2024

Risk Address: 7 Rogers Ruff
Northwood
HA6 2FD

Managing Director:
Finance Director:

Martin Rush MSc FGS
Louise Banks BSc (Hons)

Laboratory Manager:

Jade McLellan

Senior Geologist:
Assistant Geologist:
Geotechnical Assistant:

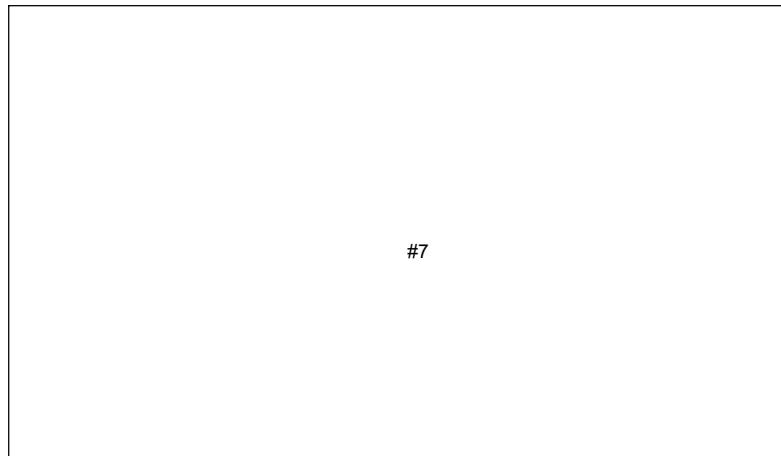
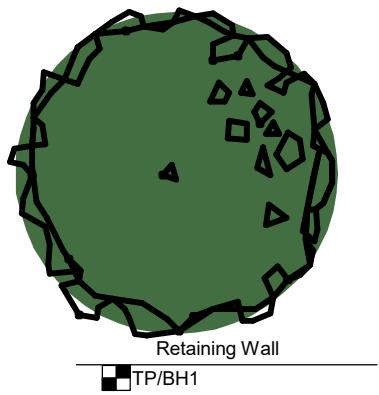
Thomas Lee BSc (Hons)
Sarah Brand
Bradley Webb

SITE PLAN

Property Address: 7 Rogers Ruff, Northwood, HA6 2FD

Client Claim Ref: N/A

Survey date: 22/04/2024

Operative: SE3


Front

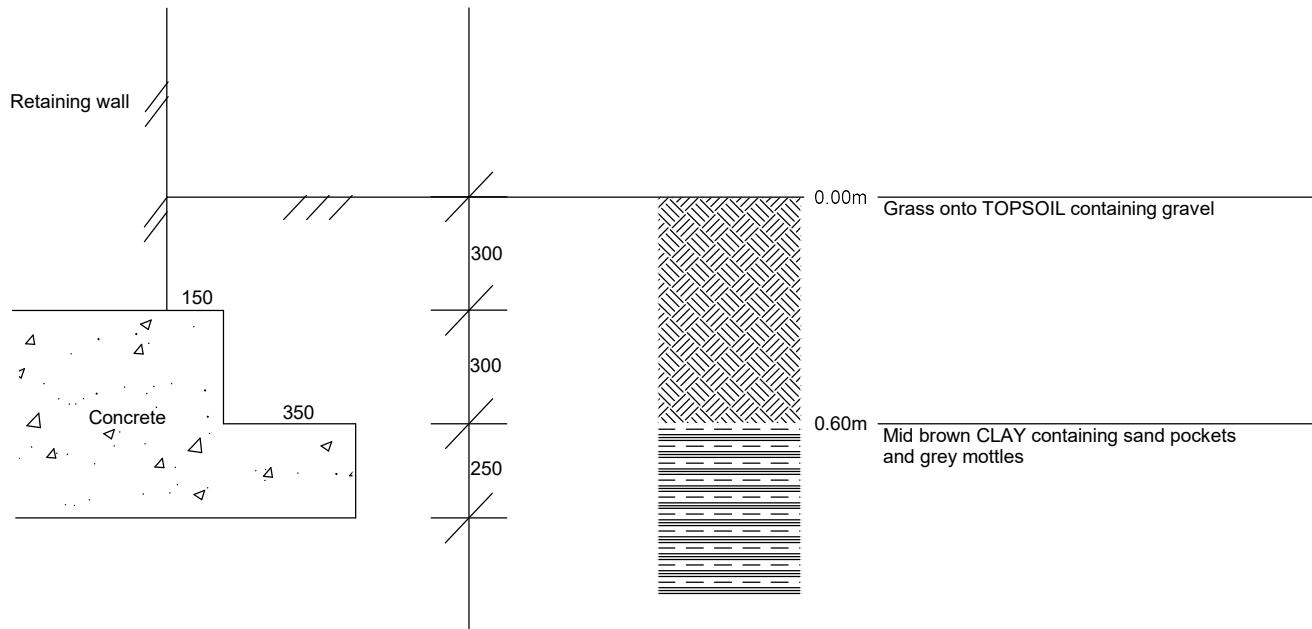
Scale:	Drawn by:	Key:	Trial Pit	Manholes	Rain Water Pipe	Surface Water Gully	Shrub	Tree (Conifer)	Tree (Deciduous)
NTS	BW		Borehole	(X)	(●)	(■)	(●)	(●)	(●)

TRIAL PIT 1

Property Address: 7 Rogers Ruff, Northwood, HA6 2FD

Client Claim Ref: N/A

Survey date: 22/04/2024

Operative: SE3


D1 @ F.L. (0.85m)
V = 56-50kPa

Founding strata: Mid brown CLAY containing sand pockets and grey mottles

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:

BW

Scale:

1:20

LABORATORY RESULTS

Property Address: 7 Rogers Ruff, Northwood, HA6 2FD

SAMPLE DETAILS		ANALYSIS REQUESTED		
Investigation date:	22/04/2024	Moisture Content	<input checked="" type="checkbox"/>	PSD
Sample details:	Bags as received	Liquid Limit	<input checked="" type="checkbox"/>	Soil Suction
Samples received:	22/04/2024	Plastic Limit	<input checked="" type="checkbox"/>	Shear Strength
Schedule received:	22/04/2024	Plasticity Index	<input checked="" type="checkbox"/>	Contamination
Samples tested:	24/04/2024 - 29/04/2024	Root ID	<input checked="" type="checkbox"/>	Root/Tree DNA
Results reported:	29/04/2024	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

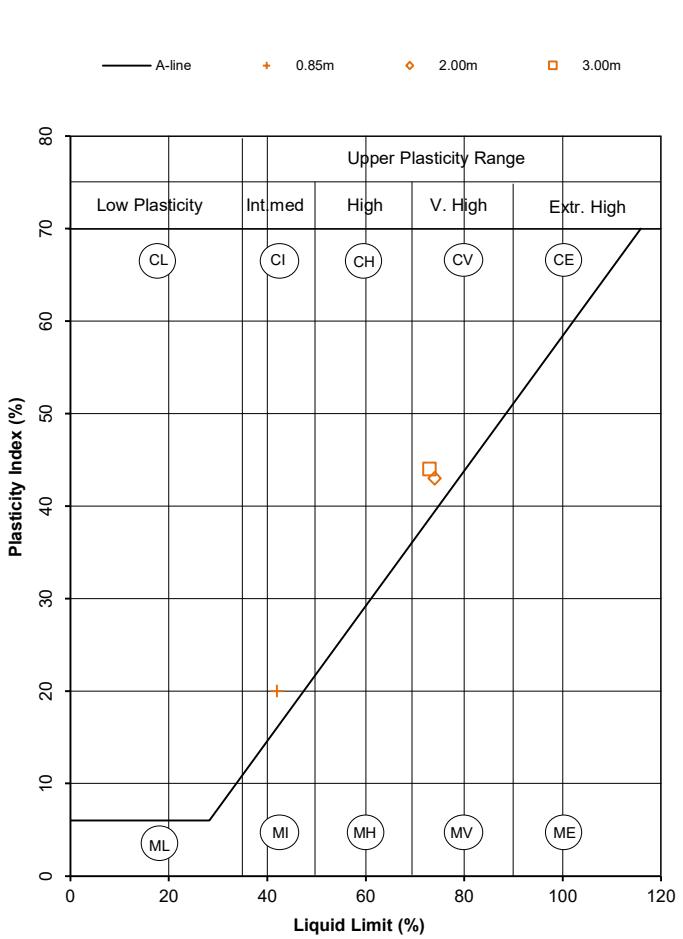
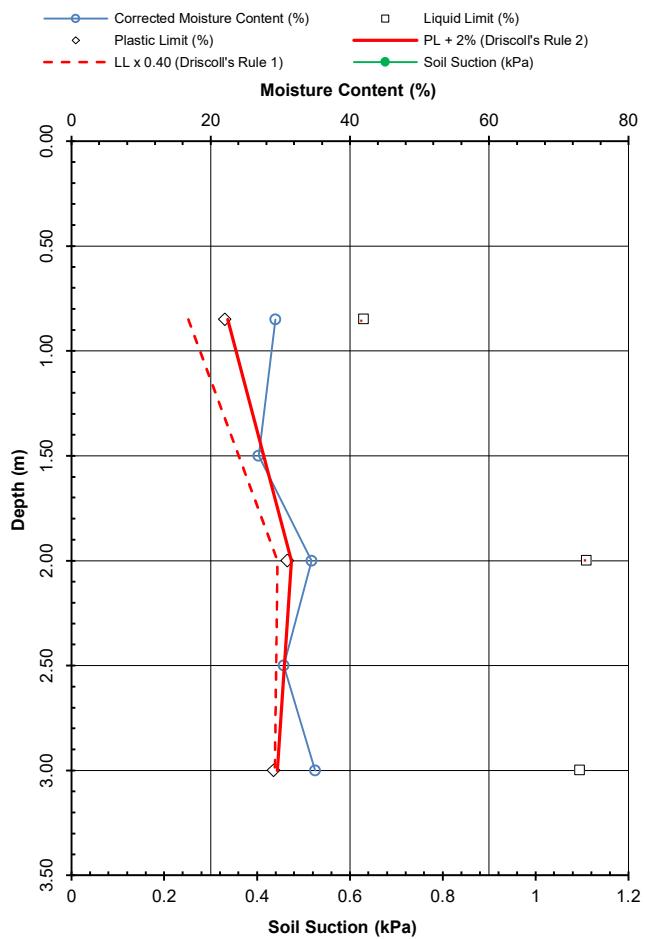
Samples were prepared and tested based on the BRE digest No:IP4/93 (Corrected). 'A method of determining the state of desiccation in clay soils.' (Filter paper method).

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.

LABORATORY RESULTS

Property Address: 7 Rogers Ruff, Northwood, HA6 2FD

BOREHOLE 1



Comments:

Reported by: Jade McLellan

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ROOT IDENTIFICATION

7 Rogers Ruff,

Client Reference: 27992
Report Date: 25 April 2024
Our Ref: R57636

Sub Sample	Species Identified	Root Diameter	Starch
BH1:			
0.85m	Cupressaceae spp.	1	<1 mm Abundant
0.85m	probably Lonicera spp.	2	<1 mm Abundant
0.85m	too small and juvenile for identification		<1 mm Absent
1.5m	probably Lonicera spp.	2	<1 mm Abundant

Comments:

1 - Plus 1 other also identified as Cupressaceae spp.
2 - Rather juvenile.

Cupressaceae spp. include Lawson cypress, western red cedar, Monterey cypress, Leyland cypress and junipers.
Lonicera spp. are honeysuckles, both climbing and shrub forms; related species include *Symporicarpos* spp. (snowberry).

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.

