



Geotechnical Survey Report

FSI Ref: 27168
Issue Date: August 2023

Risk Address: 25 Kingston Hill
Kingston Upon Thames
Surrey
KT2 7PW

Engineer:



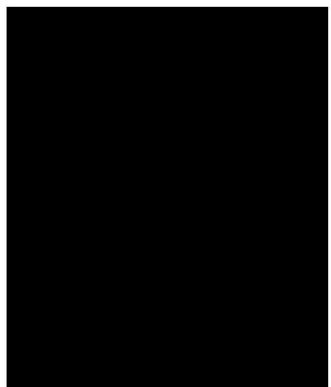
Company: Claims Consortium Group
Claim Ref: KH21292818

Managing Director:
Finance Director:

Geotechnical Compliance &
Logistics Supervisor:

Laboratory Manager:

Senior Geologist:
Assistant Geologist:
Geotechnical Assistant:



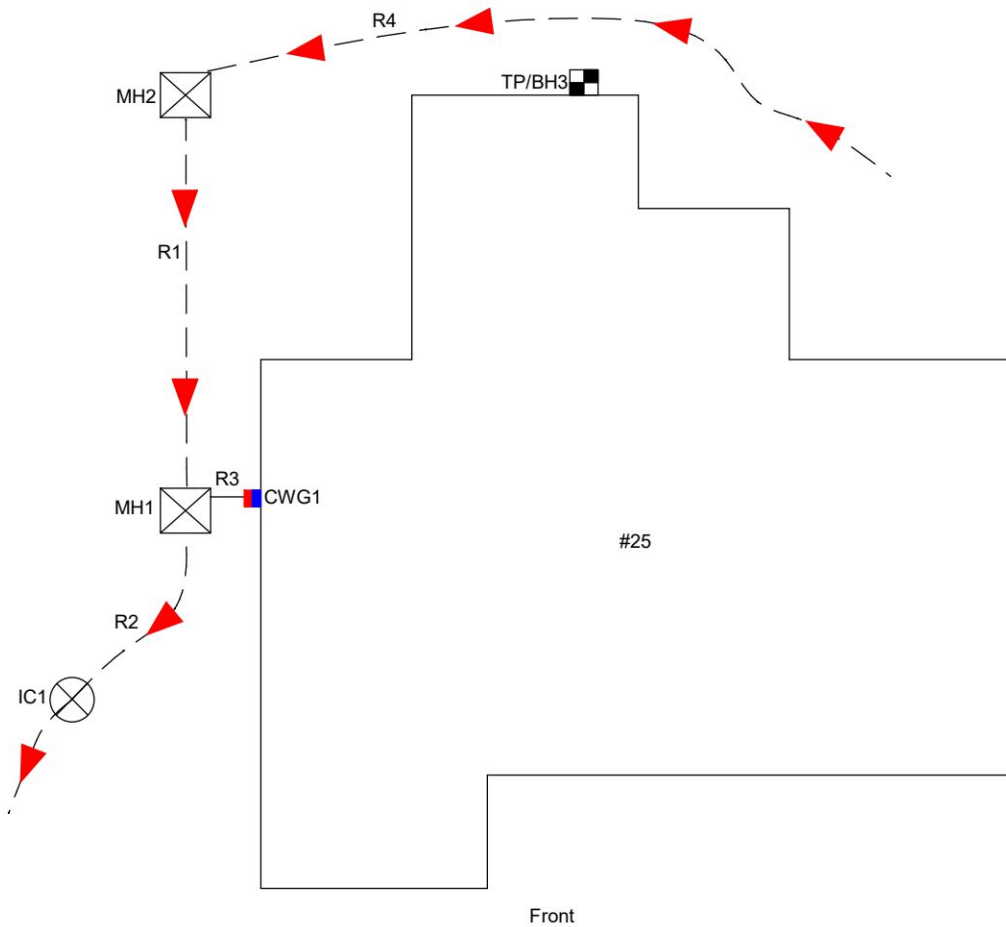
SITE PLAN

Property Address: 25 Kingston Hill, Kingston Upon Thames, Surrey, KT2 7PW

Client Claim Ref: KH21292818

Survey date: 24/08/2023

Operative: SE3



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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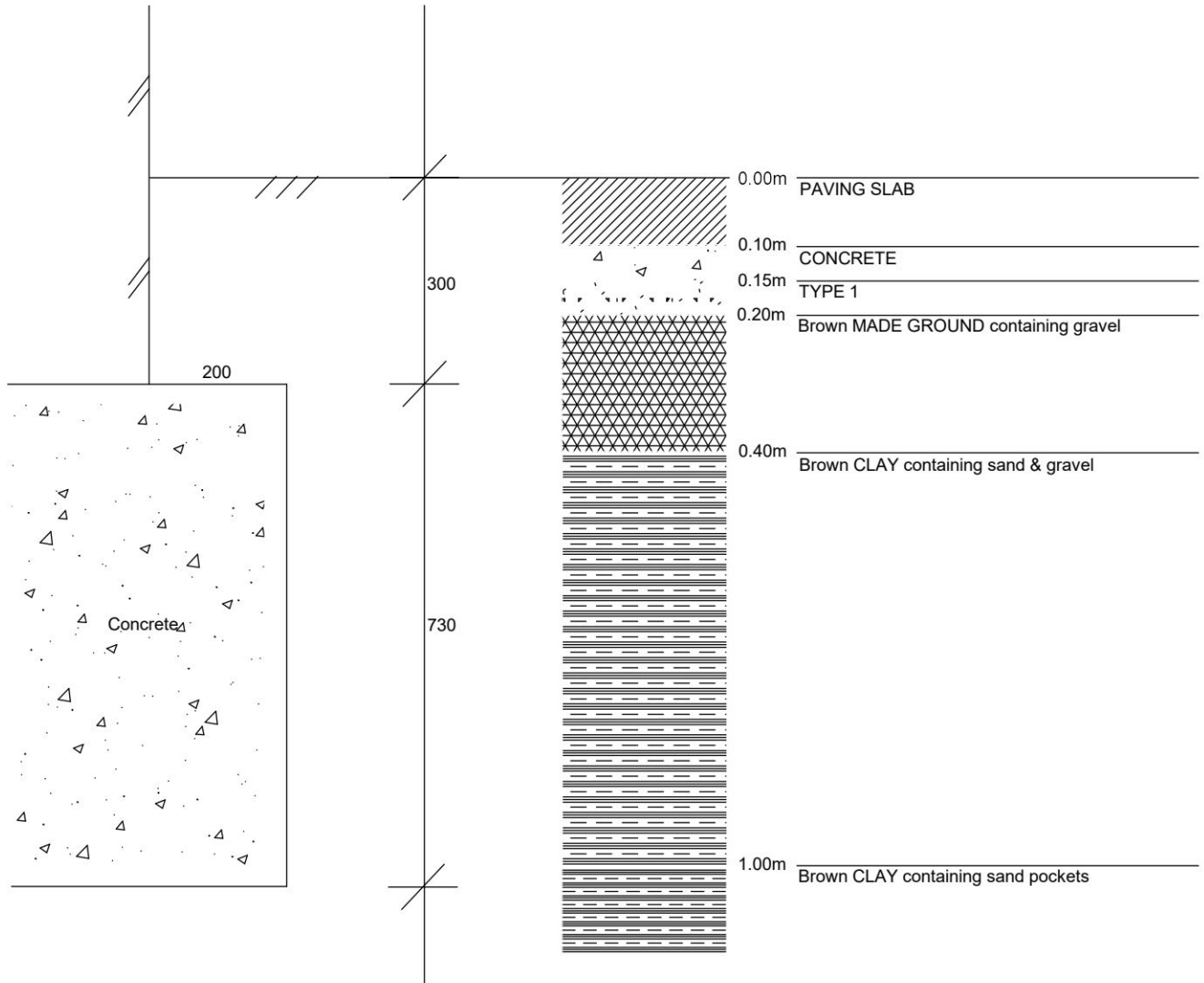
TRIAL PIT 3

Property Address: 25 Kingston Hill, Kingston Upon Thames, Surrey, KT2 7PW

Client Claim Ref: KH21292818

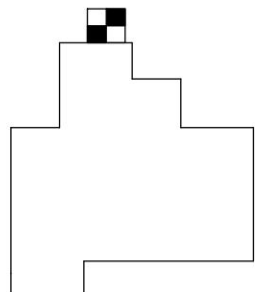
Survey date: 24/08/2023

Operative: SE3



D1 @ F.L. (1.03m)
MP=100/35mm
Founding strata: Brown CLAY containing sand pockets

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

<p>Trial Pit Location:</p> 	<p>Drawn by:</p> <p style="text-align: center;">SB</p>
<p>Scale:</p> <p style="text-align: center;">1:10</p>	



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

Borehole Log

Borehole No.

BH3

Sheet 1 of 1

Project Name: KH21292818

Project No.
27168

Site Date: 23/08/2023

Hole Type
BH

Location: 25 Kingston Hill, Kingston Upon Thames, Surrey, KT2 7PW

Scale
1:12

Client: Claims Consortium Group

Logged By
SE3

Water Strikes	Sample and In Situ Testing			Depth (m)	Legend	Stratum Description
	Depth (m)	Type	Results			
				0.10	PAVING SLAB	
				0.15	CONCRETE	
				0.20	TYPE 1	
					Brown MADE GROUND containing gravel	
					<i>Foundation top-0.30m (Concrete construct projects 200mm with a thickness of 730mm)</i>	
				0.40	Brown CLAY containing gravel & sand pockets	
	1.03	D	MP = 100/35mm	1.00	Brown CLAY containing sand pockets	
					<i>Foundation level-1.03m</i>	
	1.50	D	MP = 100/35mm	1.50	Brown CLAY containing grey mottle & sand pockets	
	2.00	D	MP = 100/30mm	1.80	SAND & GRAVEL	
				2.30	End of Borehole at 2.300m	

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

Remarks: Borehole closed at 2.30m due to an obstruction.
 Borehole noted to be dry on completion.
 No roots found.





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Appendix No: 3
FSI Ref: 27168

LABORATORY RESULTS

Property Address: 25 Kingston Hill, Kingston Upon Thames, Surrey, KT2 7PW
Client Claim Ref: KH21292818 **Client:** Claims Consortium Group

SAMPLE DETAILS		ANALYSIS REQUESTED	
Investigation date:	23/08/2023	Moisture Content	<input checked="" type="checkbox"/> PSD <input type="checkbox"/>
Sample details:	Bags as received	Liquid Limit	<input checked="" type="checkbox"/> Soil Suction <input type="checkbox"/>
Samples received:	25/08/2023	Plastic Limit	<input checked="" type="checkbox"/> Shear Strength <input type="checkbox"/>
Schedule recieved:	25/08/2023	Plasticity Index	<input checked="" type="checkbox"/> Contamination <input type="checkbox"/>
Samples tested:	29/08/2023-01/09/2023	Root ID	<input checked="" type="checkbox"/> Root/Tree DNA <input type="checkbox"/>
Results reported:	01/09/2023		Roots obtained _____

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.

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ROOT IDENTIFICATION

25 Kingston Hill

Client Reference: 27168
Report Date: 30 August 2023
Our Ref: R54621

Sub Sample	Species Identified	Root Diameter	Starch	
BH3:				
FL	<i>Eucalyptus</i> spp.	1	1.5 mm	Abundant

Comments:

1 - Plus 1 other also identified as *Eucalyptus* spp.

Eucalyptus spp. are gum trees.

Signed: R. Shaw

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





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Appendix No: 4

FSI Ref: 26168

DRAINAGE SURVEY

Property Address: 25 Kingston Hill, Kingston Upon Thames, Surrey, KT2 7PW

Client Claim Ref: KH21292818

Survey date: 24/08/2023

Operative: SE3

Following your recent instruction we attended the above property and carried out a cctv camera survey and hydraulic testing of the drainage, in accordance with procedures detailed in the WRc Drain Repair Book.

Manhole / Inspection chamber Summary:

Node	Invert Level (m)	Manhole Construction	Pipe Size	Pipe Material	Manhole Condition	Type of Cover	Size of Cover

Hydraulic Testing Summary:

Run	From	To	Result	Remarks
1				
2				
3				
4				
5				
6				

Serviceability:

1	Is the system failing to discharge normal household flows to the sewer system? (i.e. recurrence of blockage)	Yes
2	Is there evidence of leakage occurring (infiltration or exfiltration)?	Yes
3	Is there intermittent storm-water flooding?	Undetermined
4	Has a hydraulic leakage test failed?	N/A
5	Do observed defects make the drain unserviceable?	Yes

Comments:

Recommendations for Repair:

Run	Grade	Recommended action
1	B	Jet to clear & re-survey, line over damaged section
2	A	None required
3	A	None required
4	A	None required
5		
6		

