

Site Investigation Report

Auger Ref:

152369.1.USI



Job Information

Client



Client ref

QG1S1210317

Visit date

13/06/2023

Report date

30/06/2023

Job Summary

- ✓ CCTV survey undertaken. [Read more.](#)
- ✓ 2 trial holes undertaken. [Read more.](#)
- ✓ No drainage defects found. [Read more.](#)
- ⚠ Requested root samples not taken. [Read more.](#)



INVESTORS IN PEOPLE®
We invest in people Gold

Job Information

Overview

Brief

Auger were commissioned by Allianz to undertake a site investigation and CCTV inspection of the underground drainage within the area of concern (AOC) at the property.

Findings

Trial Hole Findings

Trial Hole 1
TH1 was completed in the proposed location and revealed the footing, soil and root samples were taken.

Trial Hole 2
We were unable to collect root samples from TH2 because no roots were present during the trial hole, hence no samples were retrieved. Soil samples were taken.

Drain Survey

We carried out a CCTV survey of the below ground drainage system, our findings of which are as follows:

Line 1 - From RWG1 downstream to Outside of AOC
Our survey of line 1 revealed no significant defects to the pipework on this line which could be allowing an escape of water. A minor joint displacement was noted where the plastic pipework meets the lined pipework 1m d/s however this is band sealed and shall not be allowing an escape of water.

Recommendations

Refer Back to Client

We will now refer the claim back to the client in order to progress the claim.

Photographs

Trial Hole 1

Fig 1.1: Trial Hole 1 Location



Fig 1.2: Trial Hole 1 Footing



Trial Hole 2

Fig 2.1: Trial Hole 2 Location



CCTV Stills

Fig 3.1: Line 1

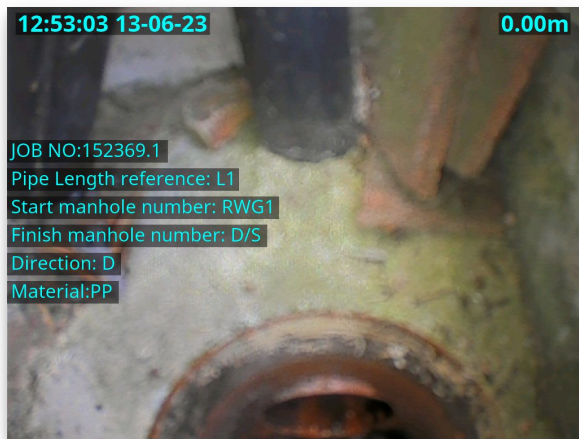
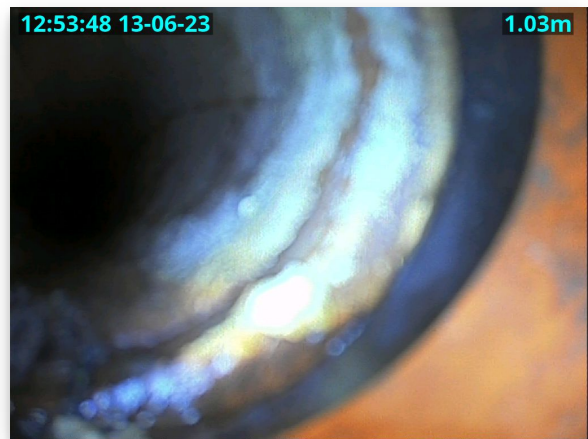


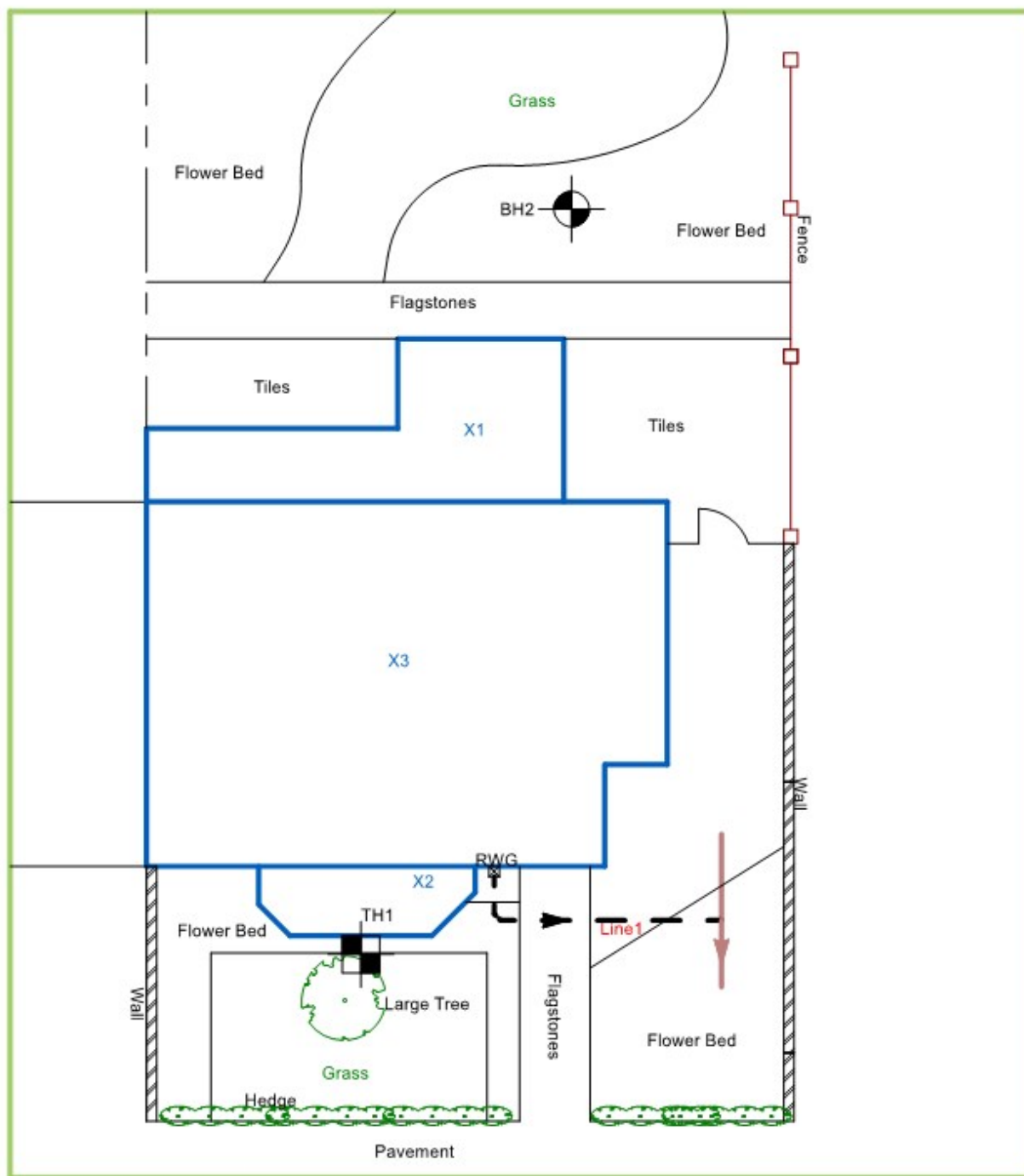
Fig 3.2: Line 1 Band Seal



Site Photos

Fig 4.1: RWG1





FRONT OF PROPERTY

This drawing should be used for diagrammatic purposes only. Auger are not responsible or liable for any 3rd party works undertaken using the details outlined in this drawing. Confirmation of the drainage configuration can only be confirmed by excavation or detailed technical survey.

LEGEND

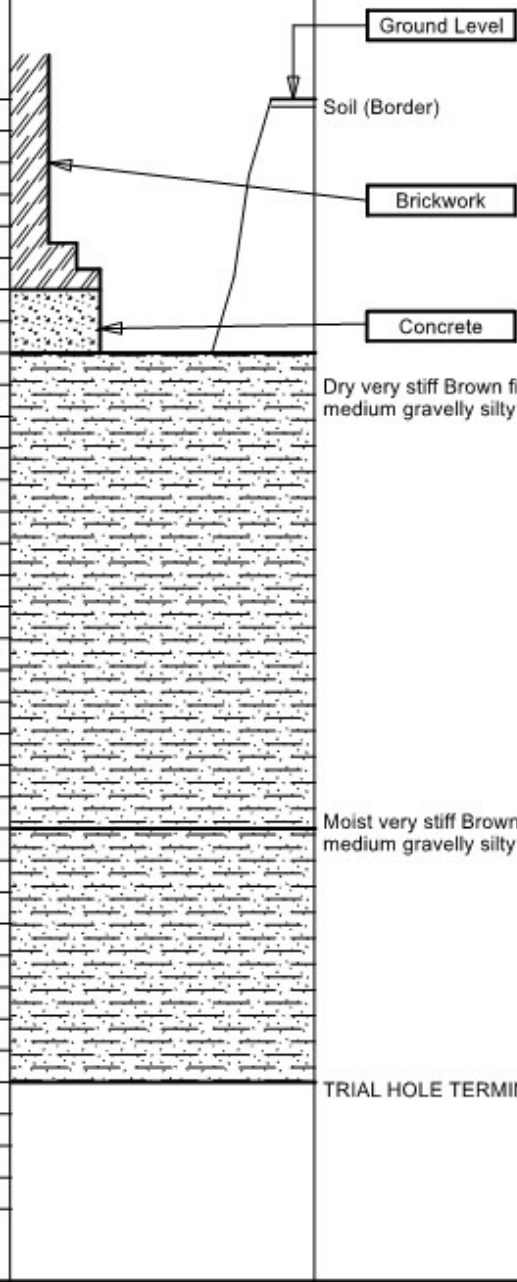
	= Manhole (MH)		= Blockage / Collapse		= Lines not camera surveyed		= Trial hole		= Shrubs / Bush
	= Inspection Chamber (IC)		= Soil Vent Pipe (SVP) / WC		= Lines camera surveyed		= Borehole		= Hedge
	= Inspection Point (IP)		= Combined Waste Gully (CWG) / Foul Waste Gully (FWG)		= Assumed water mains feed		= Direction of flow		= Tree
			= Rainwater Gully (RWG)		= Walls		= Gate / Door		= Steps
			= Rainwater Pipe (RWP)		= Fences				
					= Building Outline				



Trial Hole Log No.1

Location: Frontiddle of bay

Job Ref:
152369.1.USI

Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0		Ground Level				
		Soil (Border)				
		Brickwork				
		Concrete				
1.0		Dry very stiff Brown fine to medium gravelly silty CLAY	128kpa		Soil @ 0.8m	Root @ 0.8m
1.5			140kpa		Soil @ 1.3m	Root @ 1.3m
2.0			140kpa		Soil @ 1.8m	Root @ 1.8m
2.5		Moist very stiff Brown fine to medium gravelly silty CLAY	96kpa		Soil @ 2.3m	Root @ 2.3m
3.0		TRIAL HOLE TERMINATED	84kpa		Soil @ 2.8m	Root @ 2.8m
3.5			80kpa			



Trial Hole Log No.2

Location: Remote bh2 in rear flower bed

Job Ref:
152369.1.USI

Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0	Remote Borehole	Soil (Border)				
0.5		Moist stiff Brown fine to medium gravelly silty CLAY	56kpa		Soil @ 0.5m	
1.0			68kpa		Soil @ 1m	
1.5			76kpa		Soil @ 1.5m	
2.0		Wet stiff Brown fine to medium gravelly silty CLAY	42kpa		Soil @ 2m	
2.5			30kpa		Soil @ 2.5m	
3.0			18kpa		Soil @ 3m	
3.5		TRIAL HOLE TERMINATED	12kpa			

Unit 3 & 4,
 Heol Aur,
 Dafen Ind Estate,
 Dafen
 Llanelli,
 Carmarthenshire,
 SA14 8QN

***The testing results contained within this report have been performed by GSTL a UKAS accredited laboratory on behalf of Auger.**

**Auger House,
 Cross Lane,
 Wallasey,
 Wirral,
 CH45 8RH**

Summary Of Claim Details

Policy Holder

GSTL Job Reference

67079

SI Date

13/06/2023

Issue Date

13/06/2023

Report Date

23/06/2023

Auger Reference

152369.1.3.RSS

Insurance Company

LA Claim Reference

QG1S1210317

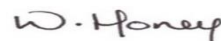
LA Co. Reference

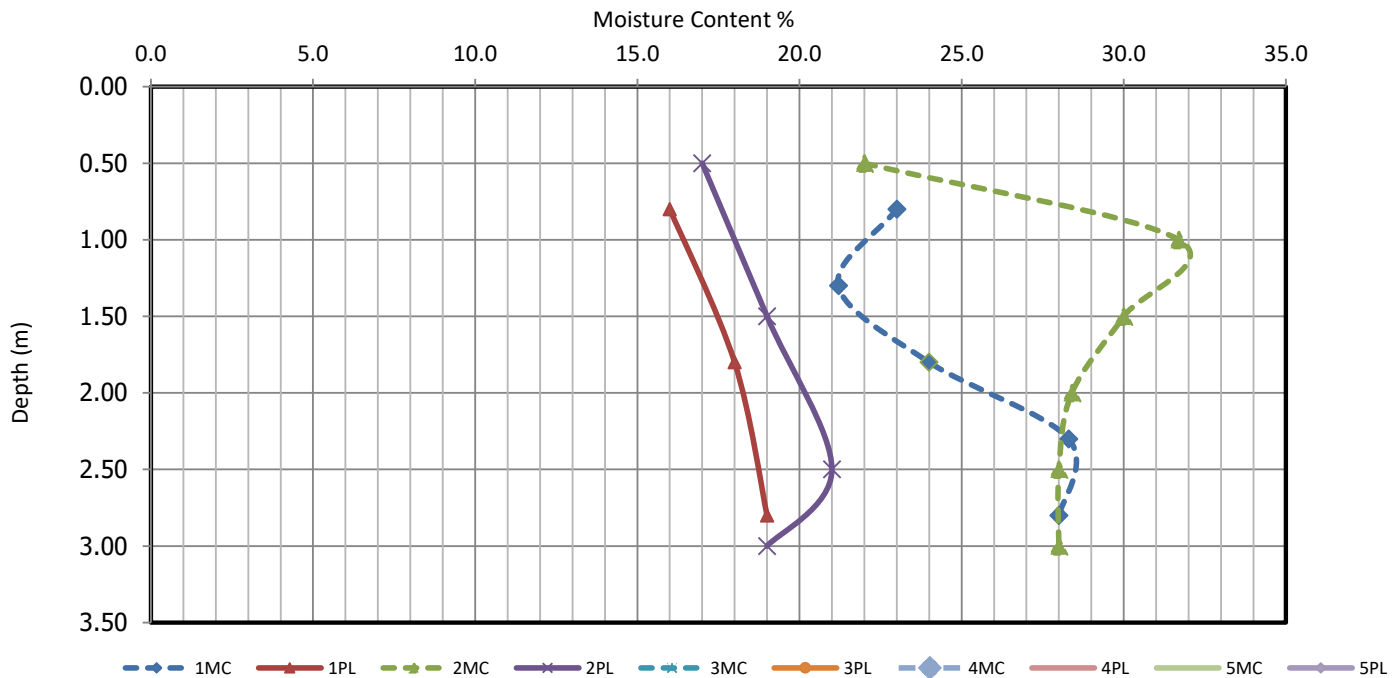
This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Checked and approved

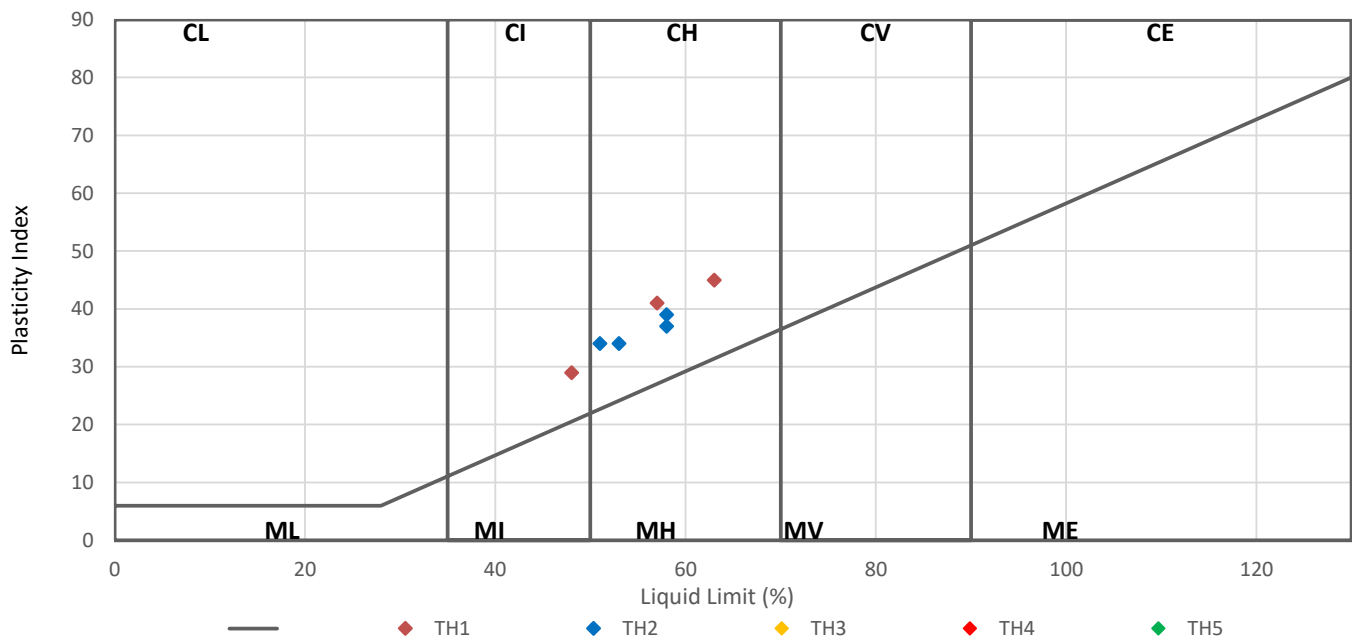
23/06/2023

Wayne Honey





PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION
BS 5930:1999+A2:2010



Modified Plasticity Index (PI) <10	: Non Classified
Modified PI = 10 to <20	: Low volume change potential (LOW VCP)
Modified PI = 20 to <40	: Medium volume change potential (Med VCP)
Modified PI = 40 or greater	: High volume change potential (HIGH VCP)

The Atterberg Limits May also be used to classify the volume change potential of fine soils using the National House building system, as given in the NHBC's Standards Chapter 4.2 (2003) "Building Near Trees"

Test Operator

Jason Smith



Root identification
Vegetation surveys
Tree/Building investigations
Plant taxonomy

Richardson's Botanical Identifications

Dr Ian B K Richardson
BSc, MSc, PhD, MRSB, FLS
James Richardson
BSc (Hons. Biology)

Auger Solutions

Auger House

Cross Lane

WALLASEY

Wirral CH45 8RH

Enterprise House
49-51 Whiteknights Road
Reading
RG6 7BB

Tel: (0118) 986 9552 *(Direct line)*

E-mail: richardsons@botanical.net

Web: www.botanical.net

04/08/2023

Your ref: **152369-1-2**

Our ref: **87/0201**

Dear Sirs

Root ID

The samples you sent in relation to the above on 13/06/2023 have been examined. Their structures were referable as follows:

TH1, 0.8m		
5 no.	Examined root: a conifer, similar in many ways to ABIES (Firs), PICEA (Spruce), LARIX (Larch) and also ARAUCARIA (Monkey Puzzle).	Alive, recently*.
2 no.	Both samples revealed too few cells for microscopic identification.	
TH1, 1.3m		
4 no.	Examined root: could be ABIES (Firs), PICEA (Spruce), LARIX (Larch) - or - ARAUCARIA (Monkey Puzzle).	Alive, recently*.
3 no.	Unfortunately all with insufficient cells for identification.	
TH1, 1.8m		
2 no.	Examined root: also like ABIES (Firs), PICEA (Spruce), LARIX (Larch) - and - ARAUCARIA (Monkey Puzzle).	Dead*.
7 no.	Unfortunately all with insufficient cells for identification.	
TH1, 2.3m		
2 no.	Examined root: again, could be ABIES (Firs), PICEA (Spruce), LARIX (Larch) - or - ARAUCARIA (Monkey Puzzle).	Alive, recently*.
2 no.	Both pieces of BARK only - insufficient material for recognition.	
3 no.	Unfortunately all with insufficient cells for identification.	

/ continued overleaf

TH1, 2.8m		
2 no.	Examined root: as above, in many ways like ABIES (Firs), PICEA (Spruce), LARIX (Larch) and also ARAUCARIA (Monkey Puzzle).	Alive, recently*.
2 no.	Both samples revealed too few cells for microscopic identification.	

All of the roots described above were very immature - none were over 0.5mm in diameter; most significantly less.

Click here for more information: [PICEA and LARIX](#)

I trust this is of help. Please call us if you have any queries; our Invoice is enclosed.

Yours faithfully



Dr Ian B K Richardson

* Based mainly on the Iodine test for starch. Starch is present in some cells of a living woody root, but is more or less rapidly broken down by soil micro-organisms on death of the root, sometimes before decay is evident. This result need not reflect the state of the parent tree.