

Site Investigation Report

Auger Ref:

146497.1.USI



Job Information

Client	Crawford & Co
Client ref	SU2205521
Visit date	24/02/2023
Report date	12/04/2023

Job Summary

- ✓ CCTV survey undertaken. [Read more.](#)
- ✓ 1 trial hole undertaken. [Read more.](#)
- ! Trial Hole depth not reached. [Read more.](#)
- ✓ No drainage defects found. [Read more.](#)



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Job Information

Overview

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

Trial Hole Findings	TH1 was moved to the internal rear left hand corner of the cellar because in the proposed location there was a 1.5m deep cellar. Within Trial hole 1 we revealed the footing but were unable to auger to the required depth (3m). We were unable to reach the required depth in TH1 because our engineer encountered a hard stone obstruction 1.5m below ground level. We took soil and root samples. These measurements are shown in Trial hole log 1 below.
Drain Survey	We carried out a CCTV survey of the below ground drainage system, our findings of which are as follows: Lines 1, 2 and 3. Our survey of lines 1, 2 and 3 revealed no significant defects to the pipework on these lines which could 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.
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Photographs

Trial Hole 1

Fig 1.1: Trial Hole 1 Location	Fig 1.2: Trial Hole 1 Footing
	

Fig 2.1:

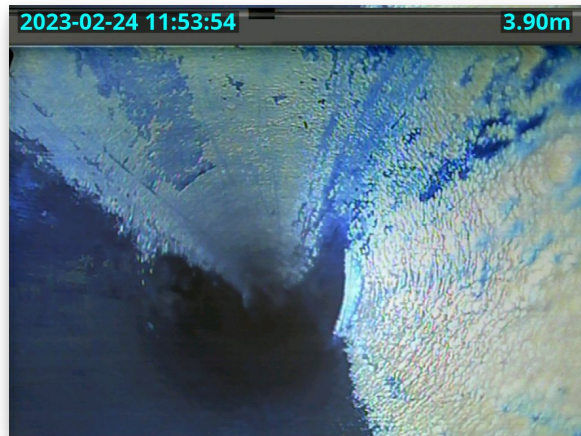


Fig 2.2:

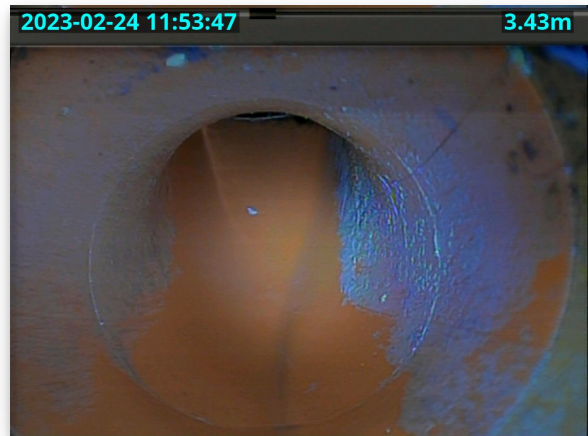
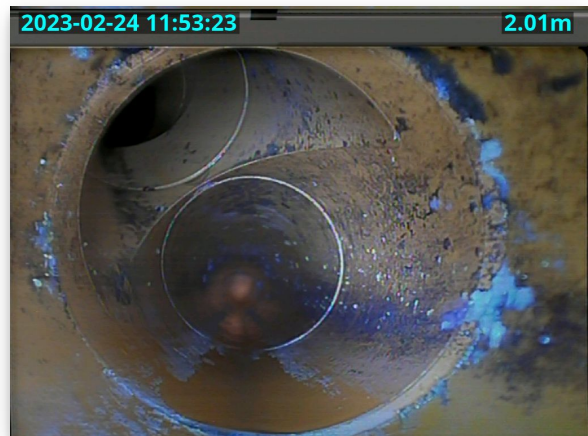


Fig 2.3:



Fig 2.4:



Site Photos

Fig 3.1: SVP and WG



Fig 3.2:

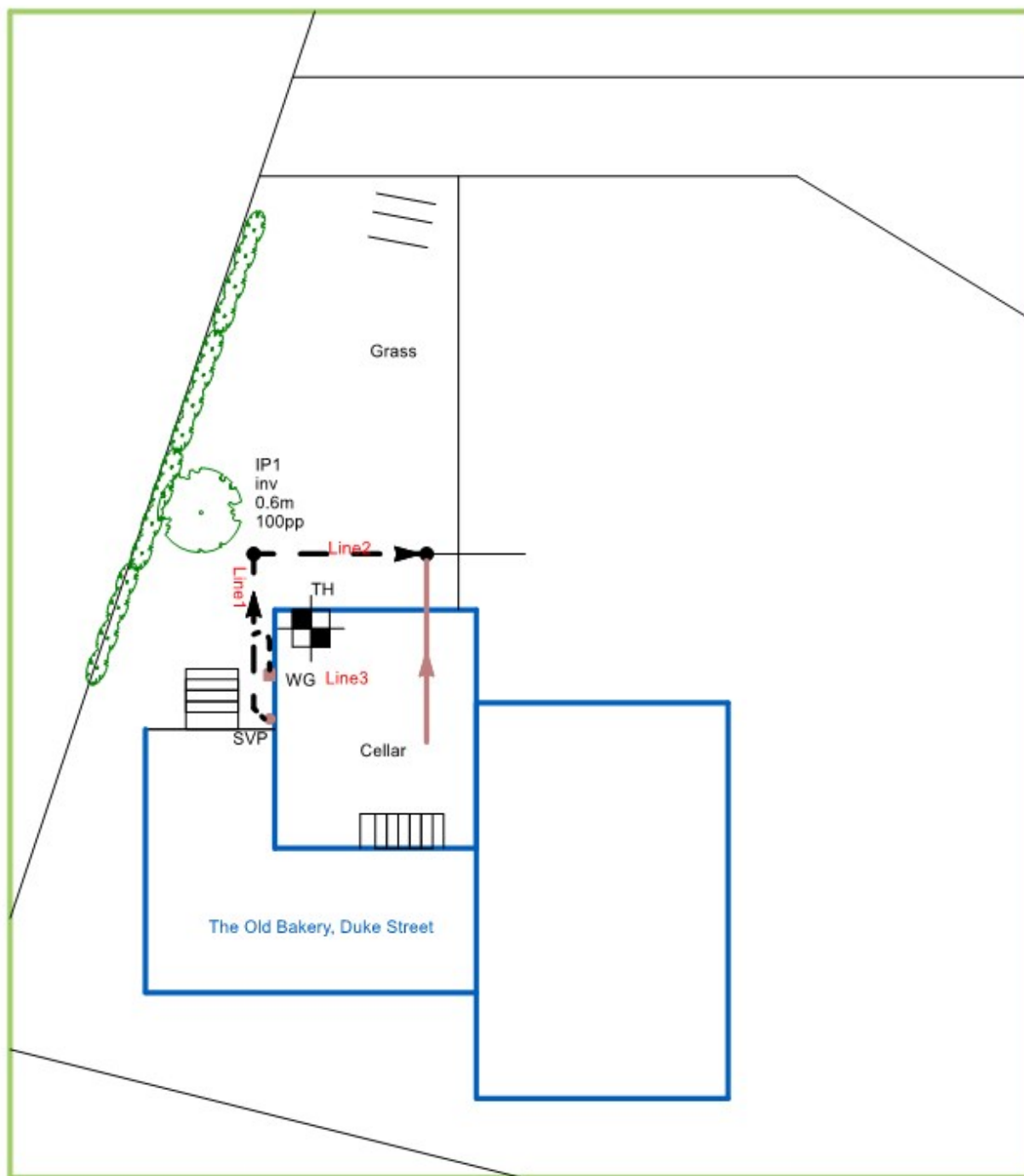


Fig 3.3: Cellar



Fig 3.4:





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)
-  = Inspection Chamber (IC)
-  = Inspection Point (IP)

-  = Blockage / Collapse
-  = Soil Vent Pipe (SVP) / WC
-  = Combined Waste Gully (CWG) / Foul Waste Gully (FWG)
-  = Rainwater Gully (RWG)
-  = Rainwater Pipe (RWP)

-  = Lines not camera surveyed
-  = Lines camera surveyed
-  = Assumed water mains feed
-  = Walls
-  = Fences
-  = Building Outline

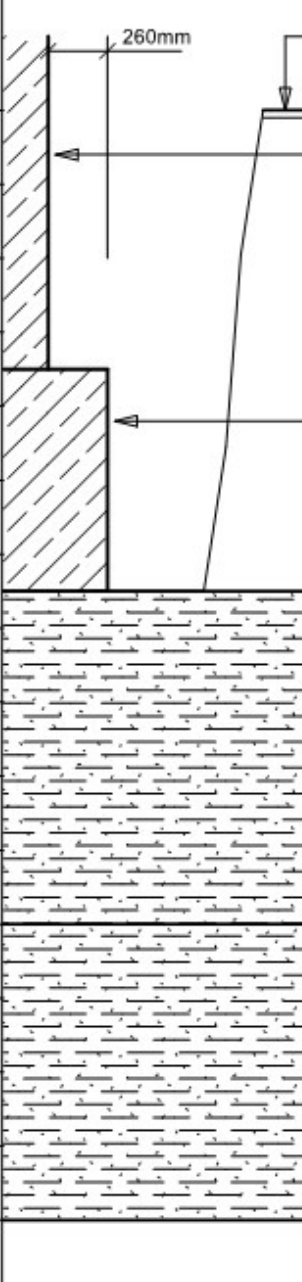
-  = Trial hole
-  = Borehole
-  = Direction of flow
-  = Gate / Door
-  = Shrubs / Bush
-  = Hedge
-  = Tree
-  = Steps



Trial Hole Log No.1

Location: Internal to rear lh corner of cellar

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Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0		Ground Level				
		Cobblestone				
		Stone				
0.5		Stone				
1.0		Dry firm Brown fine to medium gravelly silty CLAY	21kpa		Soil @ 0.65m	Root @ 0.65m
1.5		Moist stiff Brown fine to medium gravelly silty sandy CLAY	57kpa		Soil @ 1.15m	
		TRIAL HOLE TERMINATED				

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

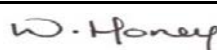
Policy Holder	
GSTL Job Reference	64958
SI Date	24/02/2023
Issue Date	24/02/2023
Report Date	14/03/2023
Auger Reference	146497.1.2.RSS
Insurance Company	AXA Retail
LA Claim Reference	SU2205521
LA Co. Reference	Crawford & Co

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

15/03/2023

Wayne Honey




2788

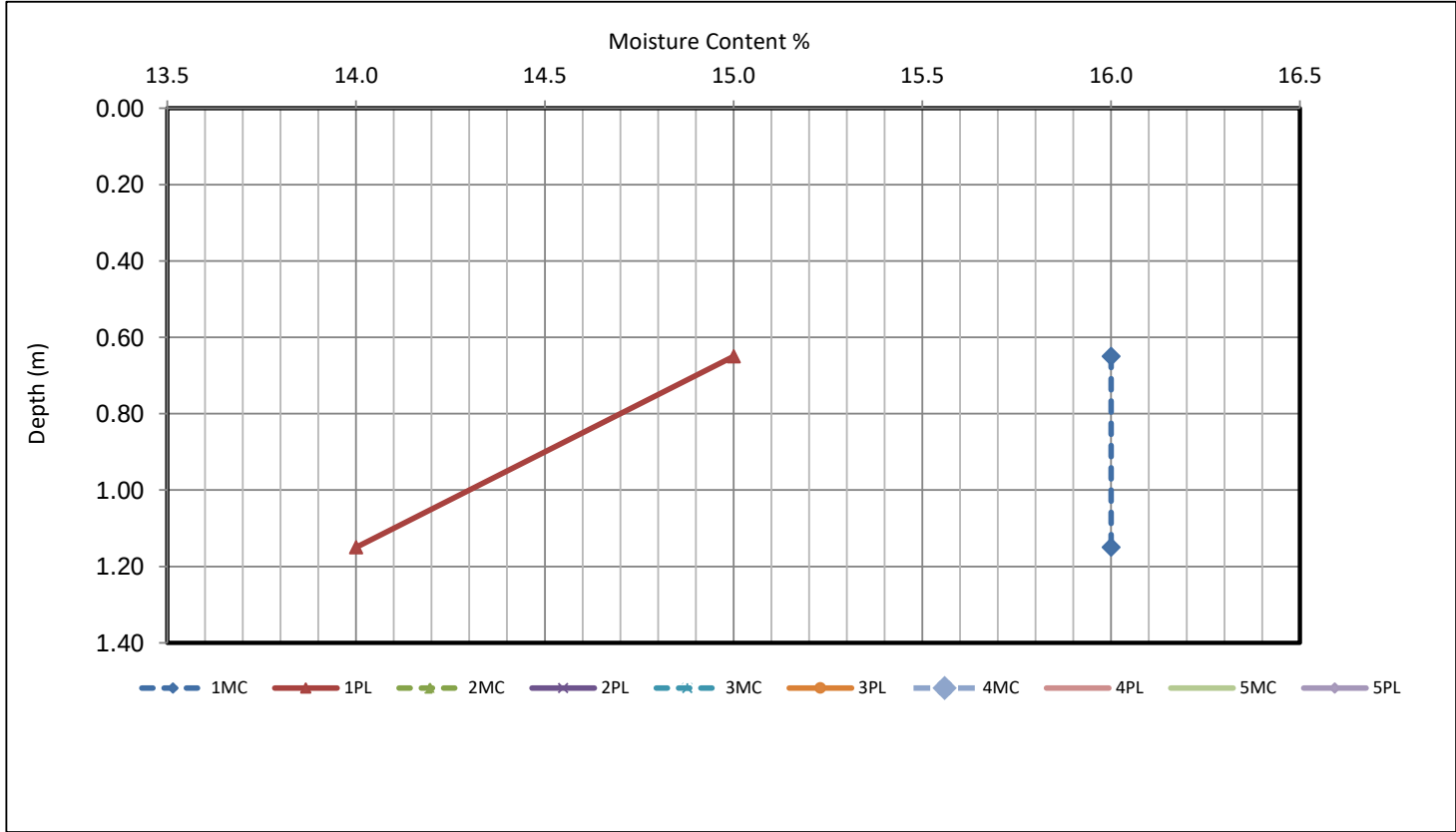


GSTL Contract Number	64958	
Report Date	14/03/2023	
Auger Reference	146497.1.2.RSS	
Remarks	NP - (Non-Plastic), # - (Liquid Limit and Plastic Limit Wet Sieved)	

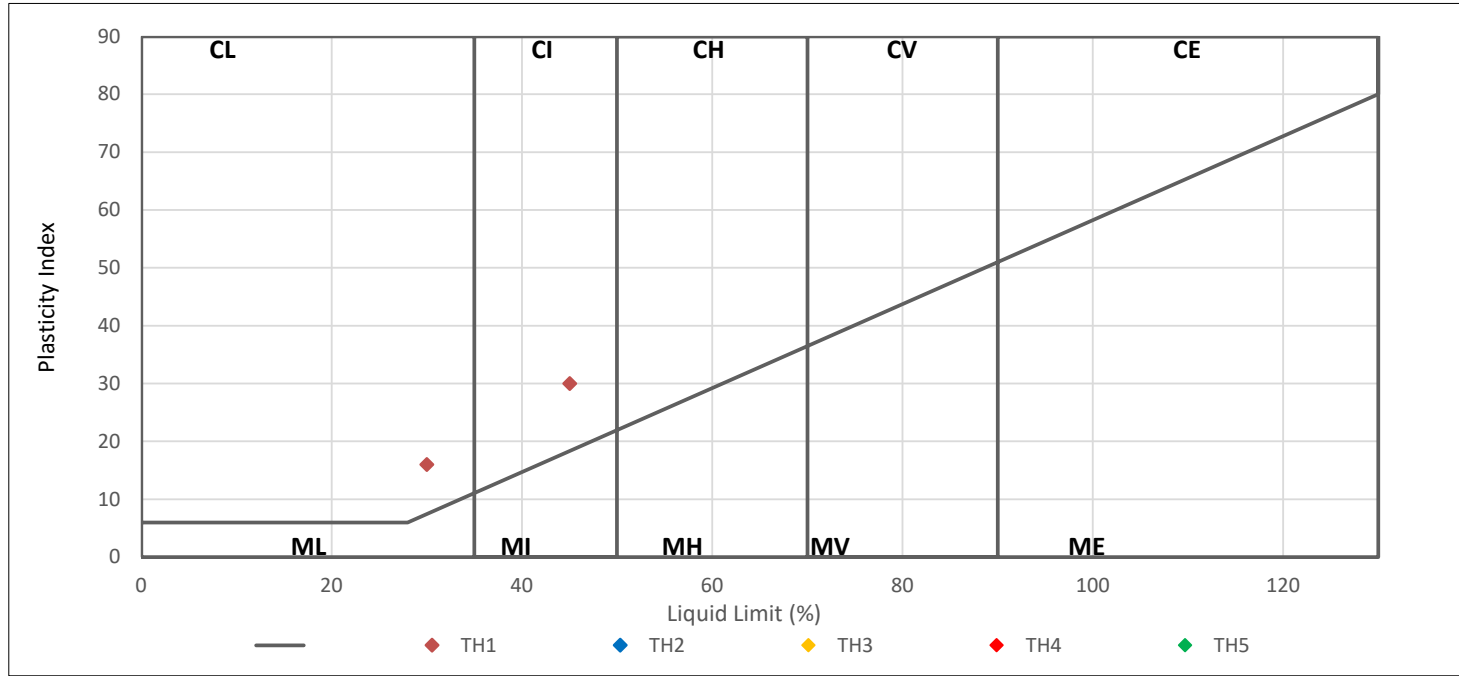
[illegible]

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"

Jason Smith



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

Auger Solutions

Auger House

Cross Lane

WALLASEY

Wirral CH45 8RH

11/04/2023

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

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Reading
RG6 7BB

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E-mail: richardsons@botanical.net
Web: www.botanical.net

Your ref: **146497-1-1**

Our ref: **86/1504**

Dear Sirs

Root ID

The samples you sent in relation to the above on 24/02/2023 have been examined. Their structures were referable as follows:

TH1, 0.65m		
5 no.	Examined root: a conifer, most like PINUS (Pine).	Alive, recently* .

Click here for more information: [PINUS](#)

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.

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