

Site Investigation Report

Auger Ref:

145370.1.USI



Job Information

Client	Crawford & Co
Client ref	SU2206286
Visit date	24/02/2023
Report date	12/04/2023

Job Summary

- ✓ 2 trial holes undertaken. [Read more.](#)
- ⚠ No CCTV survey undertaken. [Read more.](#)



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.

Findings

Trial Hole Findings

TH1 was moved to front of bay window because where the loss adjuster requested the TH, it wasn't possible to complete it there due to the open porch. This was In the way of exposing the main house footings there. We moved it to the front of the bay window. Within TH1 we revealed the footing and augered to the required depth (3m). We took soil and root samples. These measurements are shown in Trial Hole Log 1 below.

TH2 was moved to front left hand side because where the loss adjuster requested the TH, it wasn't possible to complete it there due to the open porch. This was In the way of exposing the main house footings there. Within TH2 we revealed the footing and augered to the required depth (3m). These measurements are shown in Trial Hole Log 1b below.

Drain Survey

No CCTV survey of the underground drainage was undertaken whilst on site due to the RWP at the front of the property being the only drainage within the area of concern. This requires a break in through the porch step.

Recommendations

Refer Back to Client

Break through step carry out a below ground break in to further CCTV the RWP, Auger will attempt to reinstate the step however is the customer is not happy with the reinstatement. A specialist may be required to reinstate.

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

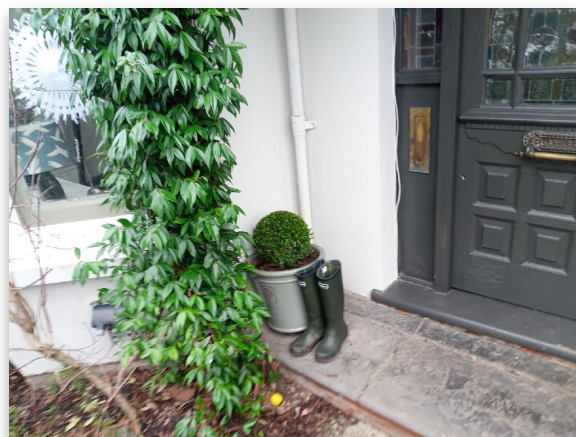


Fig 1.3: TH1b



Site Photos

Fig 2.1: RWP requires below ground break in

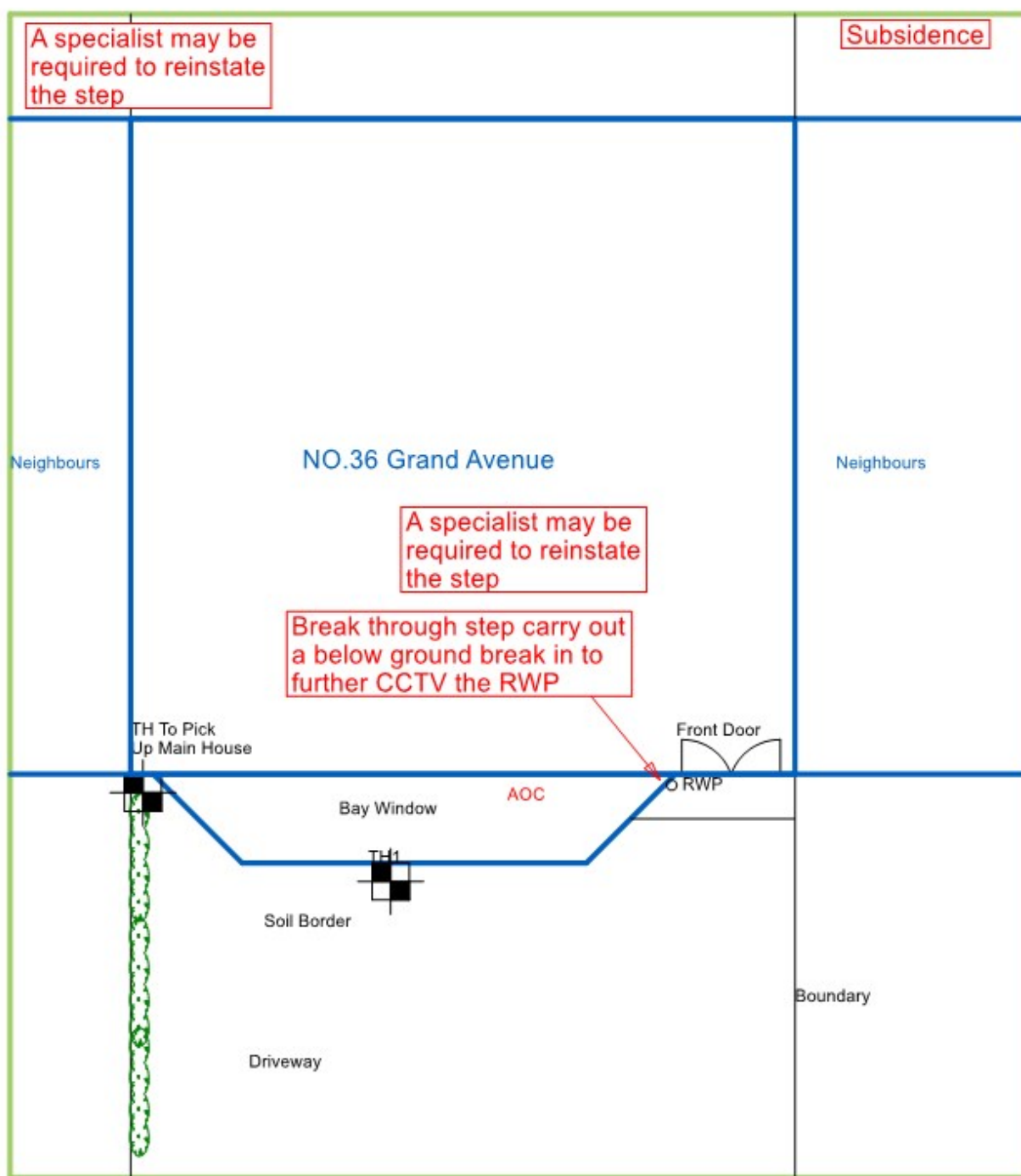




Further investigation Layout

Job Ref: 145370.1

Date: 24/02/2023



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

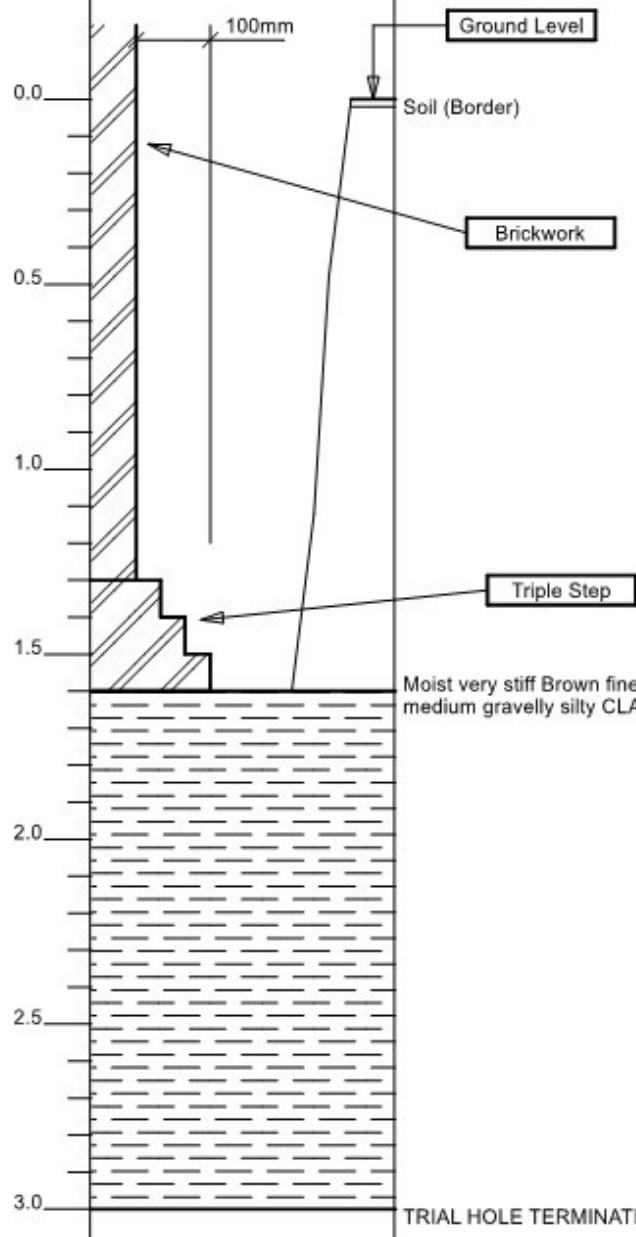
= Manhole (MH)	= Blockage / Collapse	= Lines not camera surveyed	= Trial hole	= Shrubs / Bush
= Inspection Chamber (IC)	= Soil Vent Pipe (SVP) / WC	= Lines camera surveyed	= Borehole	= Hedge
= Inspection Point (IP)	= Combined Waste Gully (CWG) / Foul Waste Gully (FWG)	= Assumed water mains feed	= Direction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



Trial Hole Log No.1

Location: Front of bay window.

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Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0		Ground Level				
		Soil (Border)				
0.5		Brickwork				
1.0						
1.5		Triple Step				
		Moist very stiff Brown fine to medium gravelly silty CLAY	92kpa		Soil @ 1.6m	Root @ 1.6m
2.0			96kpa		Soil @ 2.1m	
2.5			98kpa		Soil @ 2.6m	
3.0		TRIAL HOLE TERMINATED	98kpa			



Trial Hole Log No.1b

Location: Main house

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Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
				MP (300mm)		
0.0	The symbolic log diagram shows a vertical cross-section of a trial hole. The depth scale on the left ranges from 0.0 to 3.0 meters. At the top, a horizontal line indicates the 'Ground Level'. Below it, a layer of 'Soil (Border)' is shown. Further down, a layer of 'Brickwork' is depicted with a hatched pattern. Below the brickwork, a 'Triple Step' is shown with a stepped pattern. The bottom of the hole is filled with a material represented by a dense pattern of horizontal lines and dots. The text 'TRIAL HOLE TERMINATED' is written at the bottom of the hole.					
0.5						
1.0						
1.5						
2.0						
2.5						
3.0						

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

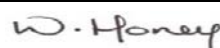
Policy Holder	
GSTL Job Reference	64918
SI Date	24/02/2023
Issue Date	24/02/2023
Report Date	13/03/2023
Auger Reference	145370.1.3.RSS
Insurance Company	Midas Underwriting
LA Claim Reference	SU2206286
LA Co. Reference	Crawford & Co

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

13/03/2023

Wayne Honey

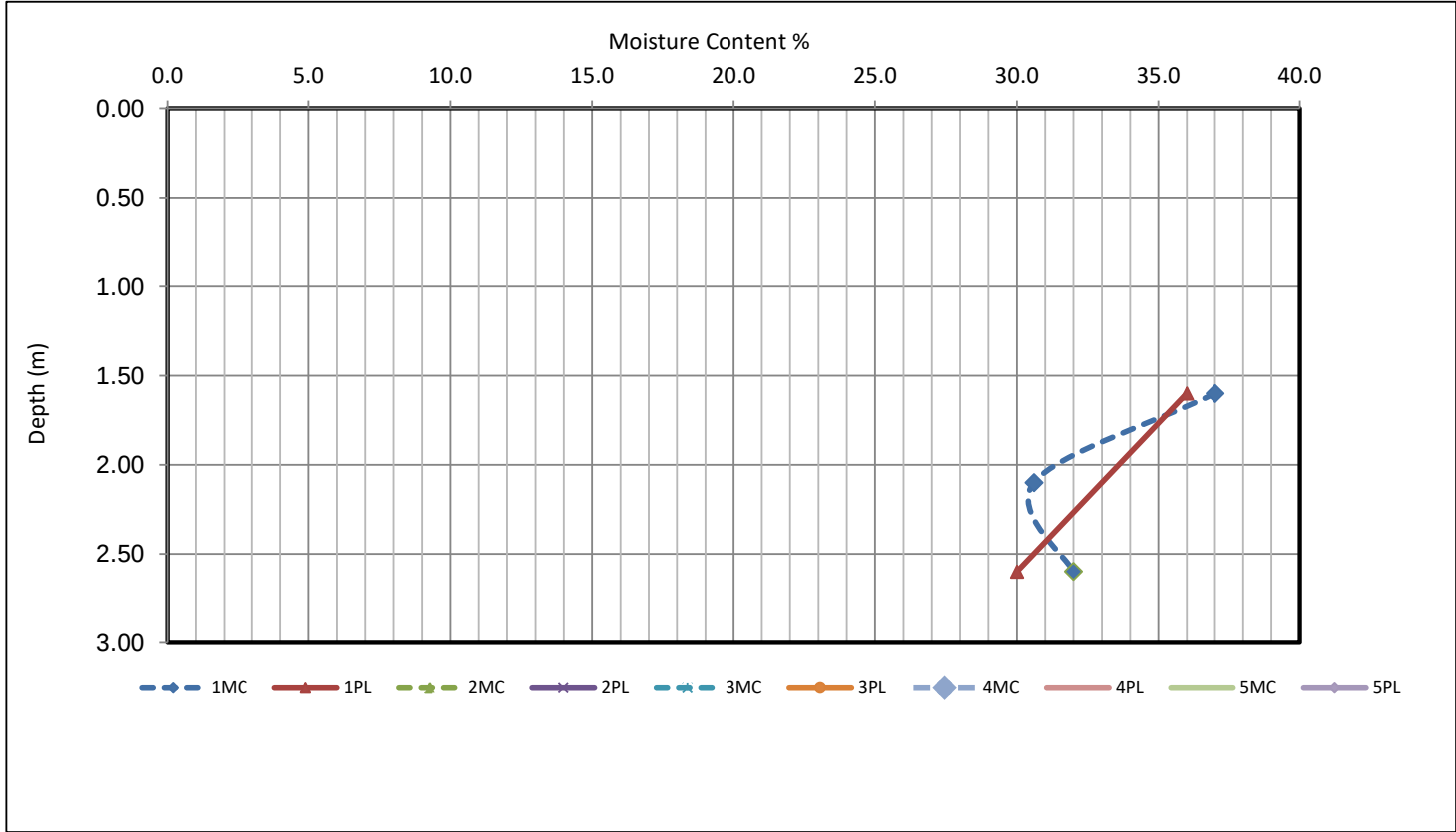



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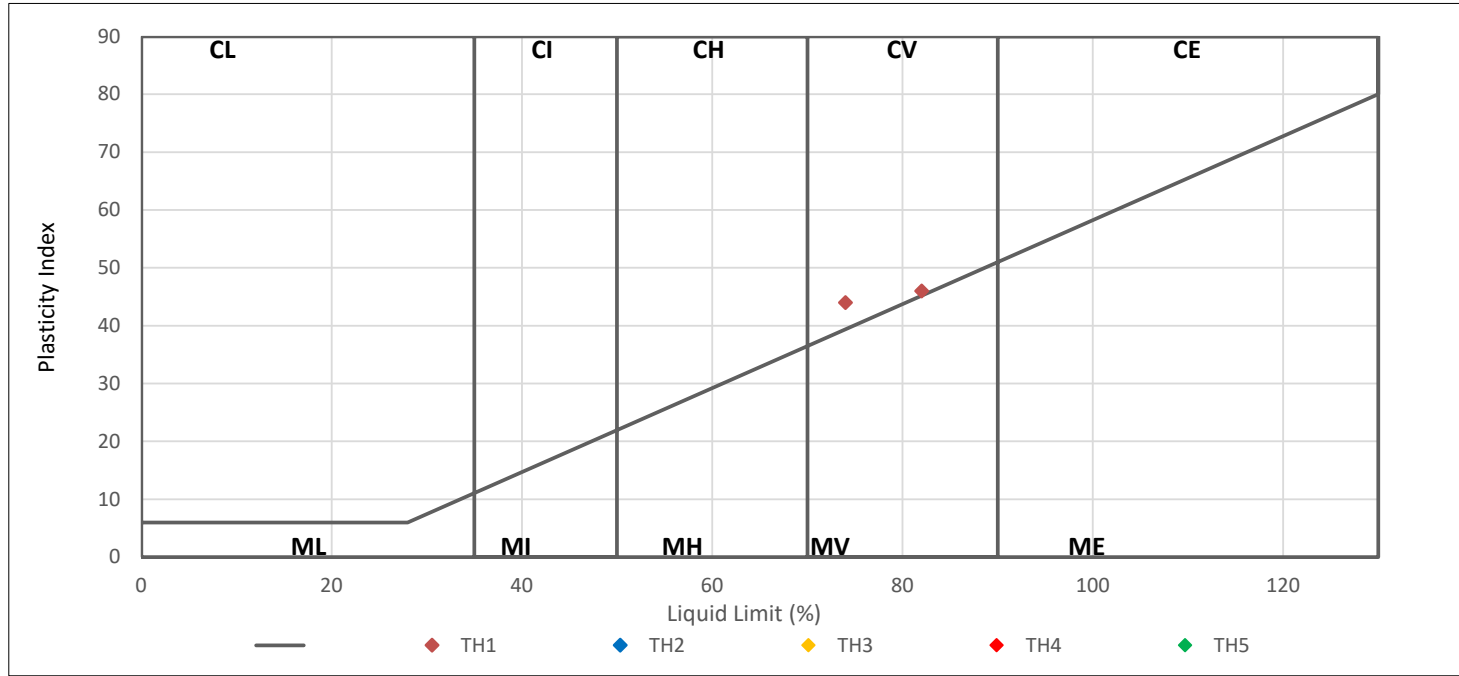


Test Operator
Jason Smith

Test Operator
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

Dr Ian B K Richardson
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James Richardson
BSc (Hons. Biology)

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06/04/2023

Your ref: 145370-1-2

Our ref: 86/0906

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, 1.6m		
3 no.	Examined root: PLATANUS (Plane). Less than 0.1mm in diameter.	Alive, recently*.
2 no.	Examined root: PRUNUS (Cherries, Plums and Damsons, Almonds, Peaches and Apricots, Blackthorn/Sloe, as well as the shrubby Cherry-laurel and Portugal-laurel).	Alive, recently*.
2 no.	Both samples revealed too few cells for microscopic identification.	

Click here for more information: [PLATANUS](#) [PRUNUS](#)

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.

* * Try out our web site on www.botanical.net * *