

Site Investigation Report

Auger Ref:

14882.1.USI



Job Information

Client	Crawford & Co
Client ref	SU2204182
Visit date	06/ 03/ 2023
Report date	18/04/ 2023

Job Summary

CCTV survey undertaken. [Read more.](#)

1 trial hole undertaken. [Read more.](#)

No drainage defects found. [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 completed in the proposed location revealing the footing and taking soil and root samples. Within TH1, we also took footing measurements from the the **Shed**. These measurements are shown in Trial Hole Log 1b below.

Visual Inspection

Dye testing was undertaken on line 1, from the area labelled RWG1 with green coloured dye, which did not reveal an escape of water.

Drain Survey

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

Lines 1 and 2

Our survey of lines 1 and 2 revealed no significant defects which could be leading to an escape of water on these lines. Please note MH1 was found to be holding water slightly.

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

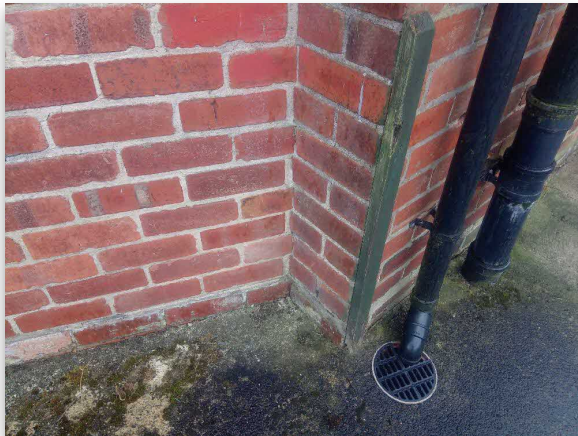


Fig 1.2: Trial Hole 1 Footing



CCTV Stills

Fig 2.1: Water holding in MH1



Site Photos

Fig 3.1: SVP and RWG1





Trial Hole Log No.1

Location: Rear of the property Left ahnd side gable

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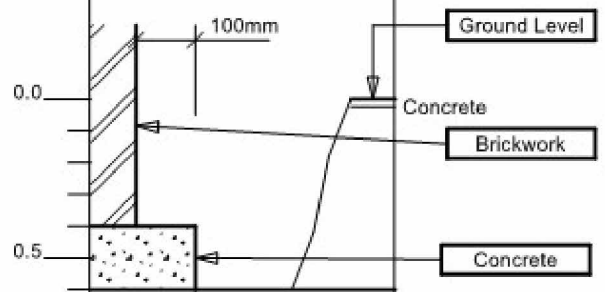
Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0	<p>100mm</p> <p>Ground Level</p> <p>Concrete</p> <p>Brickwork</p> <p>Concrete</p> <p>Moist very stiff Brown fine to medium gravelly clayey SILT</p>					
0.5				110kpa	Soil @ 0.6m	Root @ 0.6m
1.0				118kpa	Soil @ 1.1m	
1.5				104kpa	Soil @ 1.6m	
2.0				106kpa	Soil @ 2.1m	
2.5			98kpa	Soil @ 2.6m		
3.0		TRIAL HOLE TERMINATED	98kpa			
3.5						



Trial Hole Log No.1b

Location: Bin sheds

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Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0		Ground Level				
		Concrete				
		Brickwork				
0.5		Concrete				
1.0						
1.5						
2.0						
2.5						
3.0						
3.2		TRIAL HOLE TERMINATED				
3.5						

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	65116
SI Date	06/03/2023
Issue Date	06/03/2023
Report Date	20/03/2023
Auger Reference	144882.1.2.RSS
Insurance Company	Broadspire
LA Claim Reference	SU2204182
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.

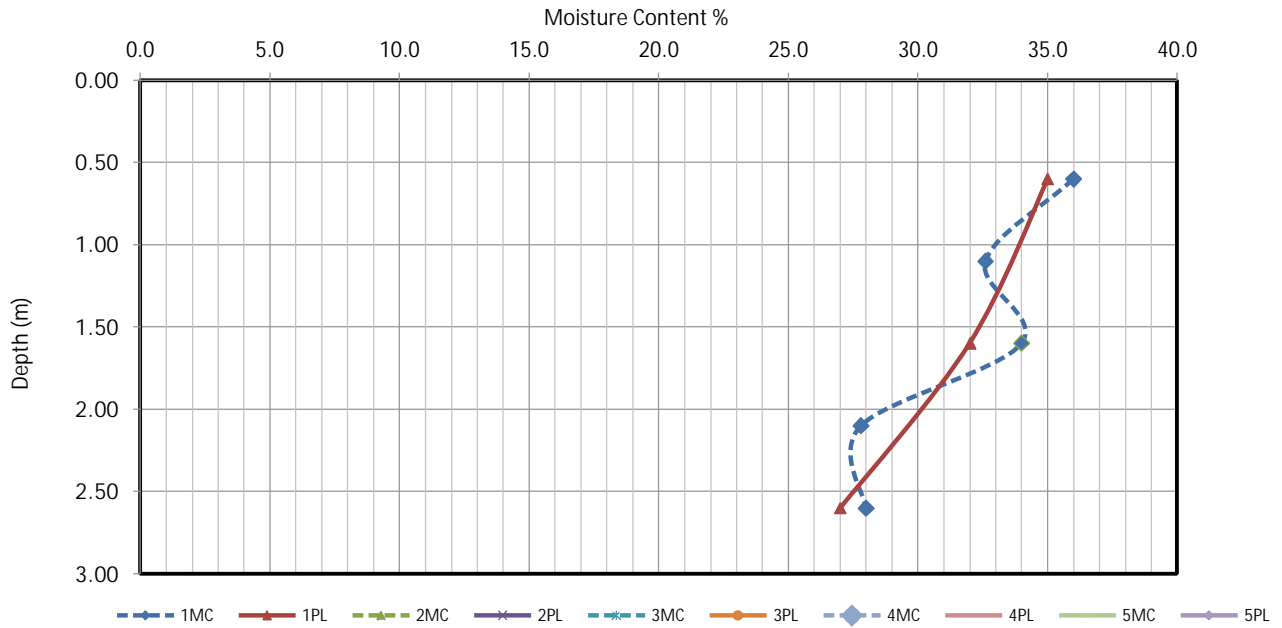
Checked and approved

20/03/2023

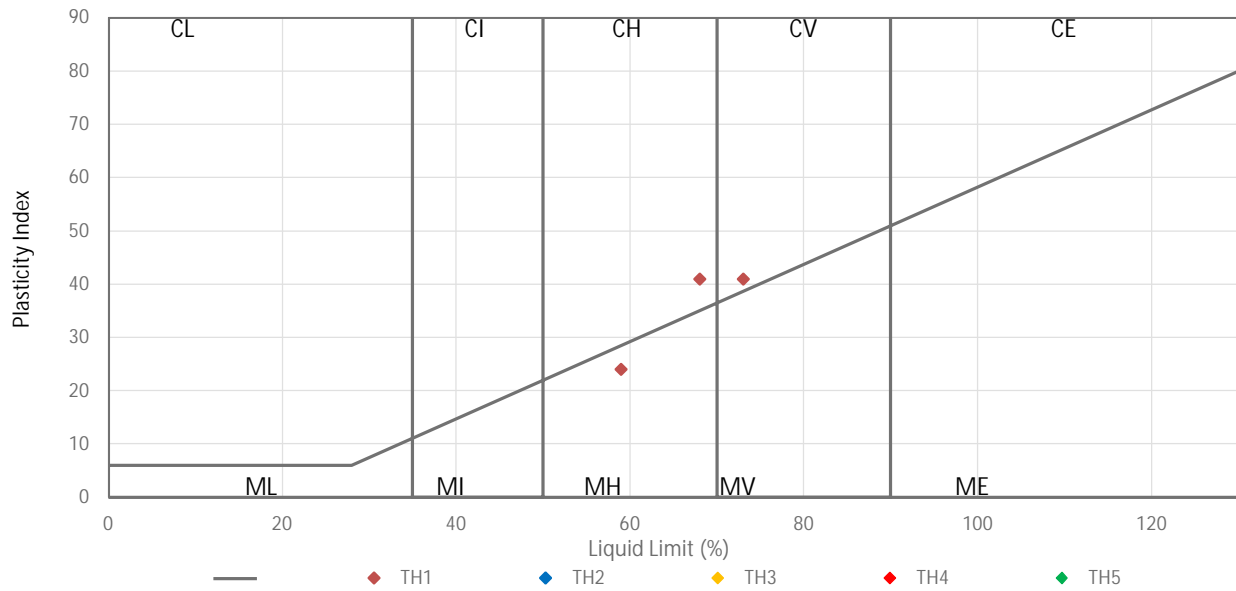
Wayne Honey



2788



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



Richardson's Botanical Identifications

Root identification
Vegetation surveys
Tree/Building investigations
Plant taxonomy

Auger Solutions

Auger House

Cross Lane

WALLASEY

Wirral CH45 8RH

Dr Ian B K Richardson
BSc, MSc, PhD, MRSB, FLS

James Richardson
BSc (Hons. Biology)

Enterprise House
49-51 Whiteknights Road
Reading
RG6 7BB

Tel: (0118) 986 9552 (Direct line)

E-mail: [REDACTED]

Web: www.botanical.net

Your ref: 144882-1-1

Our ref: 86/2007

14/04/2023

Dear Sirs

Root ID

The samples you sent in relation to the above on 06/03/2023 have been examined. Their structures were referable as follows:

TH1, 0.6m		
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*.
3 no.	Unfortunately all with insufficient cells for identification.	

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

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

Yours faithfully

[REDACTED]

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 **