Auger House, Cross Lane,
Wallasey, Wirral, CH45 8RH
[redacted]

Site Investigation Report

Auger Ref: [redacted]

Job Information	
Client	Allianz
Client ref	[redacted]
Visit date	05/04/2023
Report date	15/05/2023

Job Summary

- 1 trial hole undertaken. Read more.
- Unable to locate footing in TH1 Read more.

Job Information

Overview	
Brief	Auger were commissioned by Allianz to undertake a site investigation within the area of concern (AOC) at the property.

Findings	
Trial Hole Findings	We could not excavate the TH in the proposed location due to a ACO drain which spans across the front of the property. See evidence below figure 2.1. We excavated a Remote BH in front garden to reach the required depth (3m) and collect soil and root samples. Bore Hole measurements shown in Trail Hole Log below.

Photographs

Trial Hole 1

Fig 1.1: Trial Hole 1 Location

Fig 1.2: Trial Hole 1 Footing

Site Photos

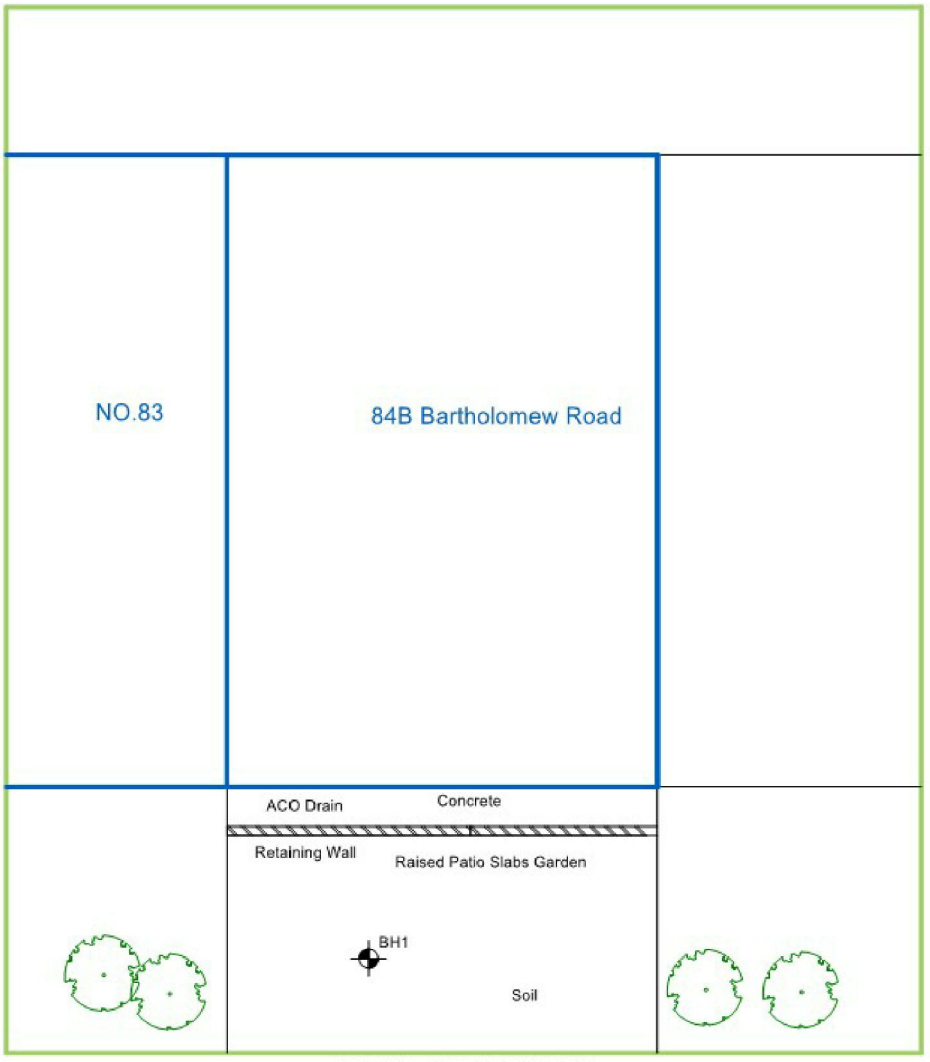
Fig 2.1: ACO Drain

auger

Existing Layout

[redacted]

Date: 05/04/2023



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.

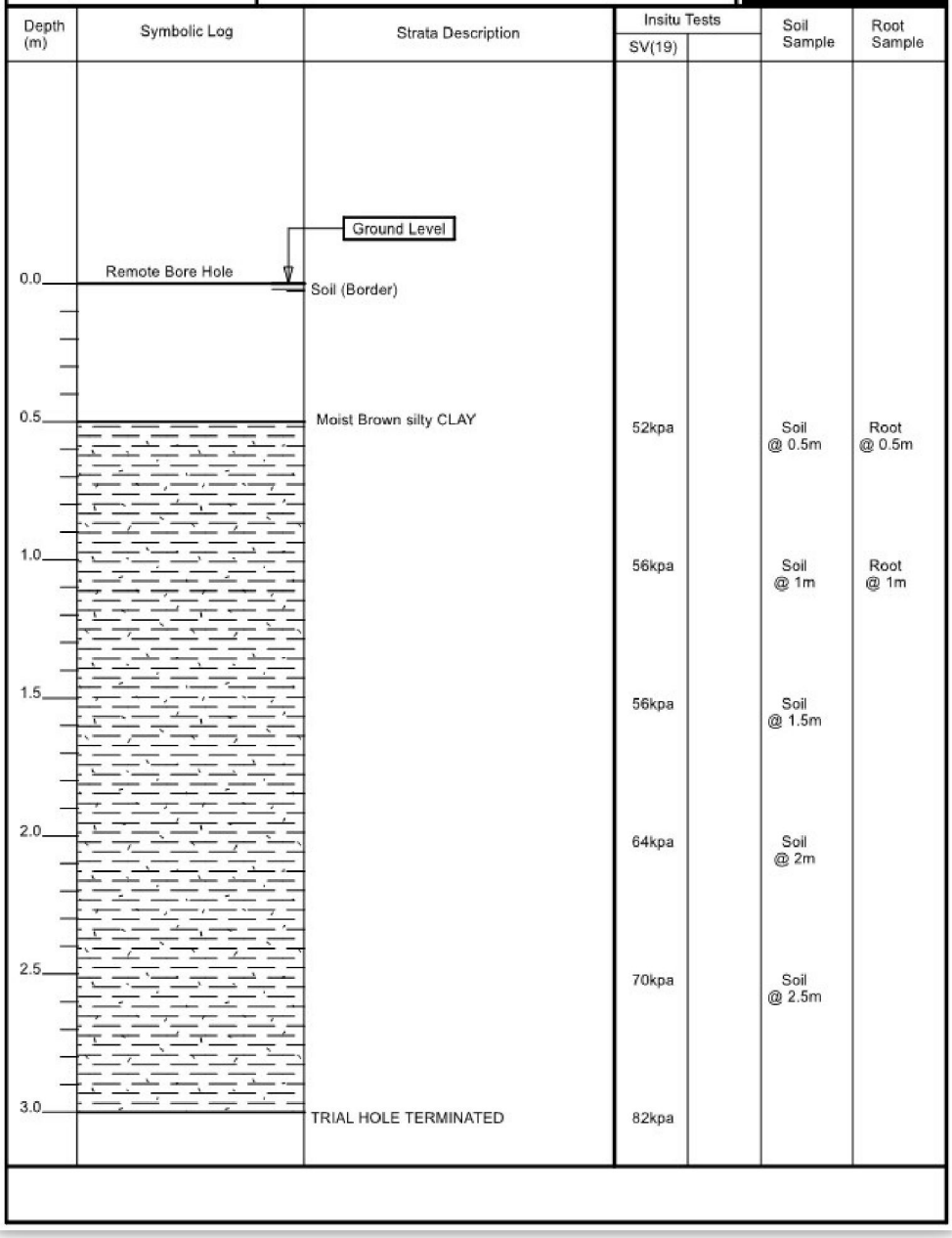
LEGEND

- = Manhole (MH)
- = 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: Raised garden area front garden

[redacted]



Richardson's Botanical Identifications

Root identification
Vegetation surveys
Tree/Building investigations
Plant taxonomy

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

Enterprise House
49-51 Whiteknights Road
Reading
RG6 7BB

[redacted]

Auger Solutions
Auger House
Cross Lane
WALLASEY
Wirral CH45 8RH

12/05/2023

Dear Sirs

Root ID

The samples you sent in relation to the above on 05/04/2023 have been examined. Their structures were referable as follows:

TH1, 0.5m		
1 no.	Examined root: TILIA (Lime). Less than 0.1mm in diameter.	Dead* (note this 'dead' result can be unreliable with such thin samples).
4 no.	Examined root: could well be an herbaceous (non-woody) plant.	
2 no.	Both samples revealed too few cells for microscopic identification.	
TH1, 1.0m		
1 no.	Examined root: TILIA (Lime). Also under 0.1mm in diameter.	Dead* (as above, this 'dead' result could be an unreliable one).
5 no.	Examined root: essentially too immature for identification; possibly only herbaceous (non-woody), as previously.	

Click here for more information: TILIA

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 * *

Identified with no information on vegetation, on or off site.

Report commissioned by auger

GSTL GEOTECHNICAL SITE & TESTING LABORATORIES	**Geotechnical Testing Analysis Report**	auger environmental + claims mgmt + subsidence + drainage +
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 laborotory on behalf of Auger.	Auger House, Cross Lane, Wallasey, Wirral, CH45 8RH

Summary Of Claim Details

Policy Holder	
GSTL Job Reference	[redacted]
SI Date	05/04/2023
Issue Date	05/04/2023
Report Date	25/04/2023
Auger Reference	[redacted]
Insurance Company	Allianz
LA Claim Reference	[redacted]
LA Co. Reference	Allianz

Checked and approved	25/04/2023	Wayne Honey	[redacted]

UKAS TESTING
2788

GSTL
GEOTECHNICAL SITE & TESTING LABORATORIES

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX
(BS 1377:1990 - Part 2 : 4.4 & 5.3)
DESCRIPTIONS

auger
environmental + claims mgmt + subsidence + drainage +

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TH Trial Hole	Sample Type	Depth (m)	Sample Description
TH1	D	0.50	Brown silty CLAY
TH1	D	1.00	Brown silty CLAY
TH1	D	1.50	Brown silty CLAY
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Test Operator
Jason Smith

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Remarks	NP - (Non-Plastic), # - (Liquid Limit and Plastic Limit Wet Sieved)	

TH Trial Hole	Sample Type	Depth (m)	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity index %	Passing .425mm %	NHBC Chapter 4.2	Remarks
TH1	D	0.50	31	61	25	36	95	MEDIUM VCP	CH High Plasticity
TH1	D	1.00	30						
TH1	D	1.50	27	71	26	45	95	HIGH VCP	CV Very High Plasticity
TH1	D	2.00	22						
TH1	D	2.50	20	56	19	37	96	MEDIUM VCP	CH High Plasticity

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"

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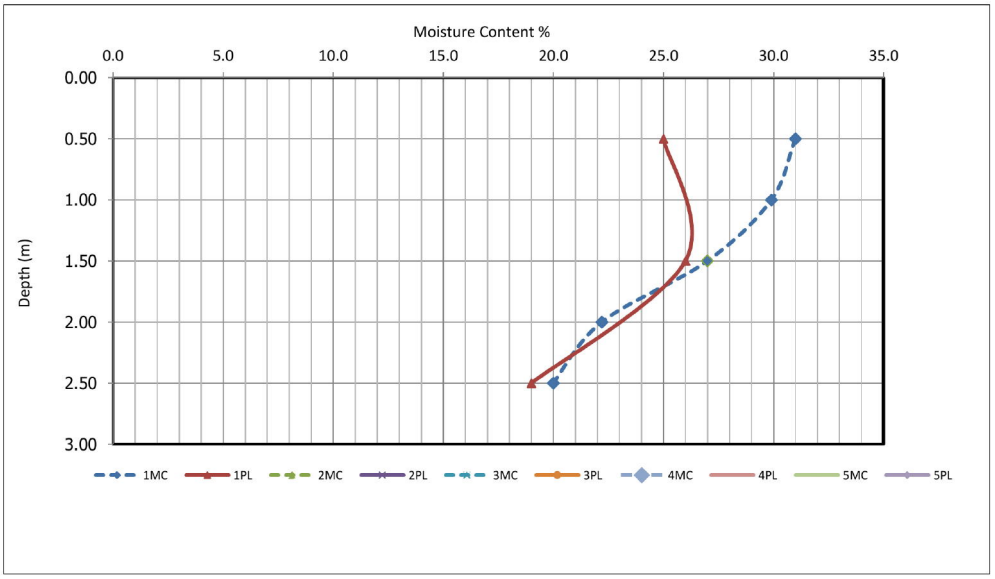
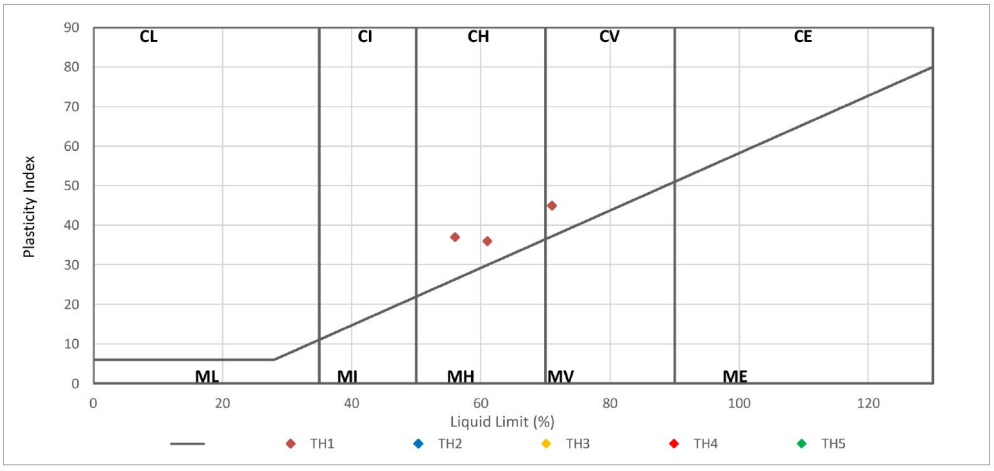


PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION
BS 5930:1999+A2:2010



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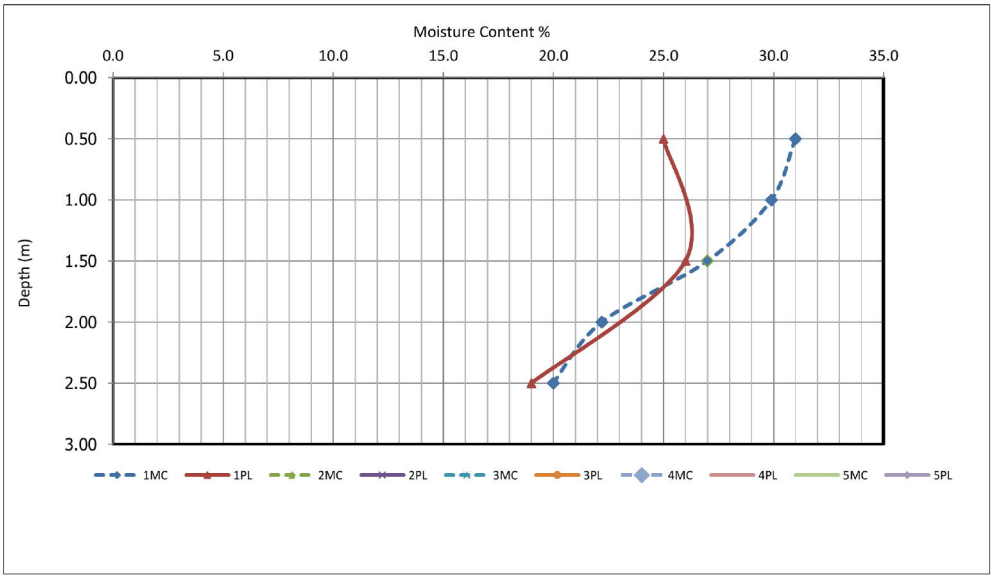

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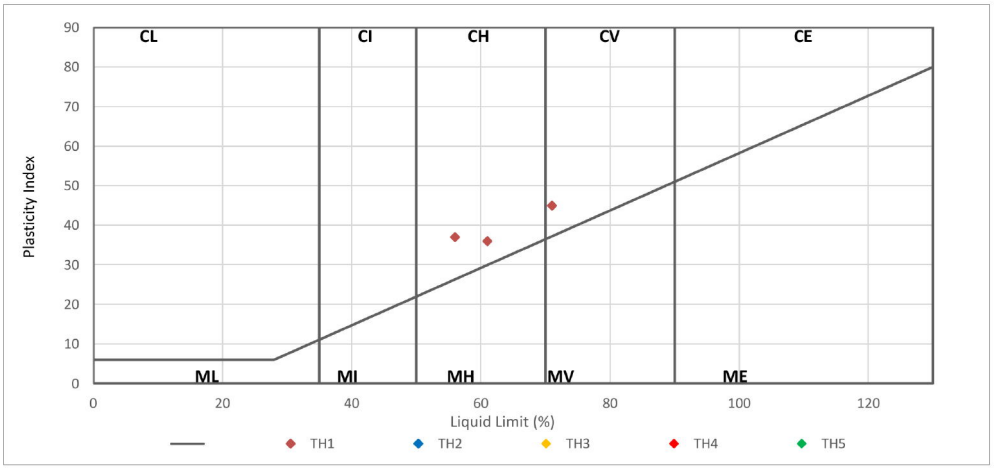

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