

Site Investigation Report

Auger Ref:

148175.3.TSI



Job Information

Client	Sedgwick International UK
Client ref	9068683
Visit date	22/10/2024
Report date	31/10/2024

Job Summary



Job Information

Overview

Brief

Auger were commissioned by Sedgwick International UK to undertake a site investigation within the area of concern (AOC) at the property.

Findings

Trial Hole Findings

Trial Hole 1

Within TH1 we revealed the footing and augered to the required depth (3m) in the proposed location. We took soil and root samples. These measurements are shown in Trial Hole Log 1 below. Due to the SVP being located in the corner between the extension and main property we have been unable to expose both footings.

Photographs

Trial Hole 1

Fig 1.1: Trial Hole 1 Location

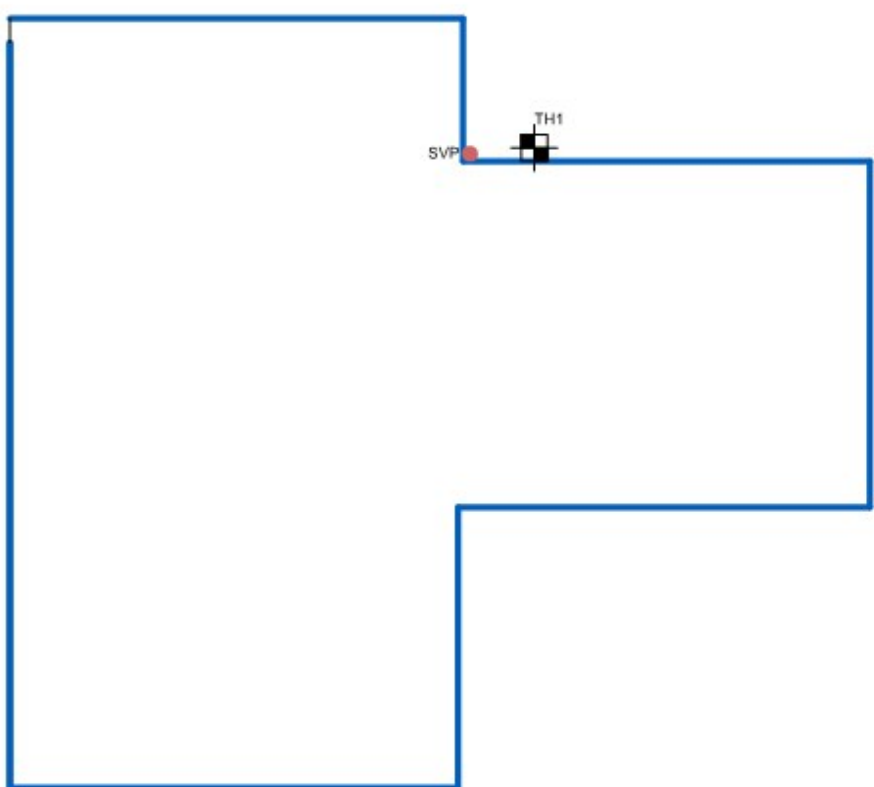


Fig 1.2: Trial Hole 1 Footing



Subsidence

SVP TH1



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 surveyed	 = Trial hole	 = Shrubs / Bush
 = Inspection Chamber (IC)	 = Soil Vent Pipe (SVP) / WC	 = Lines 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: Rear right to right of extension

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Depth (m)	Symbolic Log	Strata Description	Insitu Tests		Soil Sample	Root Sample
			SV(19)			
0.0		Moist very stiff light Brown/grey fine to medium gravelly silty CLAY	80kpa		Soil @ 2.1m	Root @ 2.1m
0.5						
1.0						
1.5						
2.0						
2.5			98kpa		Soil @ 2.6m	Root @ 2.6m
3.0		TRIAL HOLE TERMINATED	100kpa			

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

75510

SI Date

22/10/2024

Issue Date

22/10/2024

Report Date

29/10/2024

Auger Reference

148175.3.4.RSS

Insurance Company

Sedgwick

LA Claim Reference

9068683

LA Co. Reference

Sedgwick International UK

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

29/10/2024

R.John

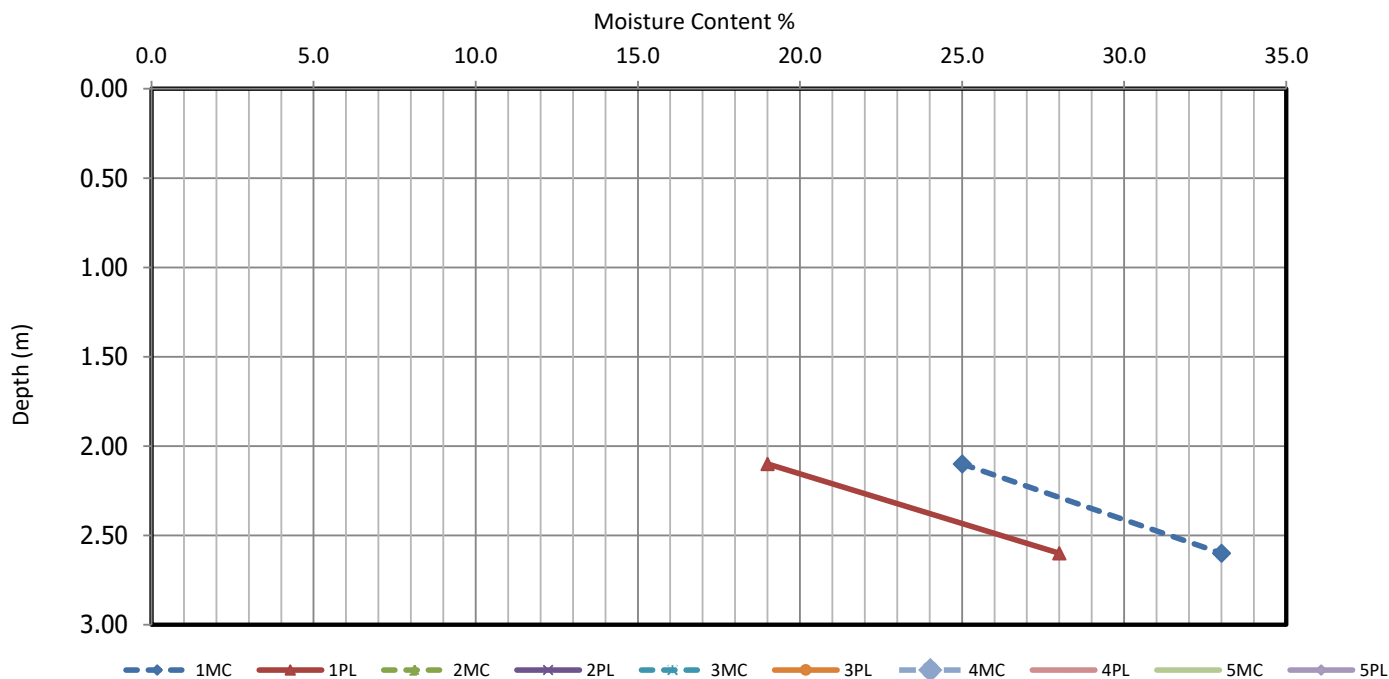
DESCRIPTIONS

	DESCRIPTION	
GSTL Contract Number	75510	
Report Date	29/10/2024	
Auger Reference	148175.3.4.RSS	

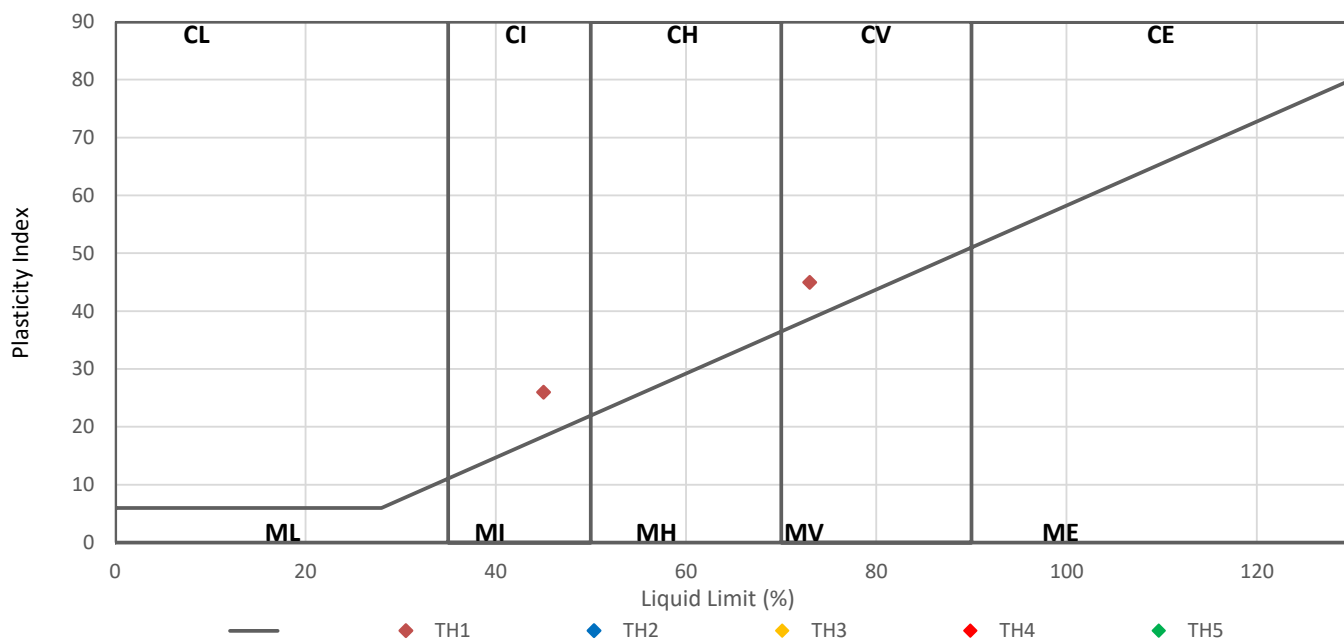
[illegible]

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

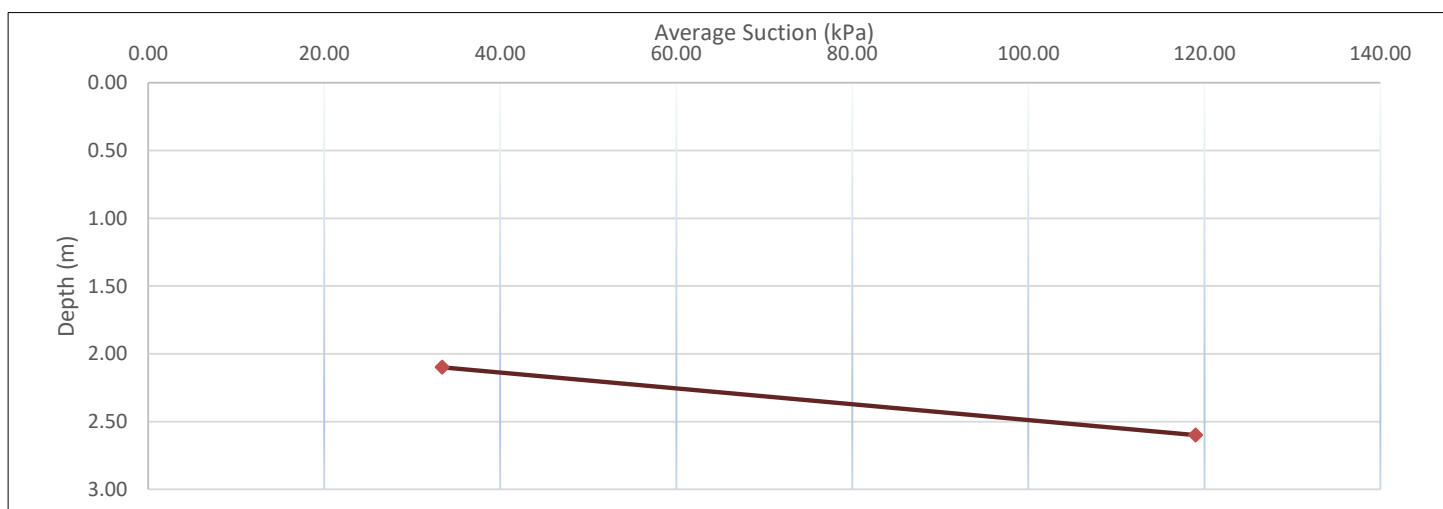
GSTL Contract Number	75510	
Report Date	29/10/2024	
Auger Reference	148175.3.4.RSS	
Remarks	D - Disturbed (Recompacted 2.5kg Rammer), U - Undisturbed Sample	

TH Trial Hole	Depth (m)	Filter Paper Location	Filter Paper	Sample Prep Method	Test Duration (Days)	Water Content (%)	Soil Suction Pk (kPa)	Average Soil Suction Pk (kPa)	Cumulative Heave Potential (mm) from bottom of the hole
TH1	2.10	Top	I	D	5	66.6	34	33	0
TH1		Middle	II	D	5	66.8	33		
TH1		Bottom	III	D	5	67.1	33		
TH1	2.60	Top	I	D	5	44.3	122	119	0
TH1		Middle	II	D	5	44.4	120		
TH1		Bottom	III	D	5	44.6	117		

Heave potential is calculated from the bottom of the hole and heaves above the bottom of the hole are reported as a cumulative value.

The values reported for heave above only apply to the strata the suction and plasticity have been performed on. The shallowest depth reported is assumed to be a strata thickness to GL and Heave is calculated based on that layer thickness, if the next sample is in 0.5m increments the heave is calculated based on the layer thickness of 0.5m and depths 1m from the sample above will include heave over 1m.

Consideration should be made for other stratas where values are not reported and when working out the heave potential over the entire trial hole.



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

31/10/2024

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

James Richardson
BSc (Hons. Biology)

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49-51 Whiteknights Road
Reading
RG6 7BB

Tel: (0118) 986 9552 (Direct line)

E-mail: richardsons@botanical.net

Web: www.botanical.net

Your ref: 148175-3-3

Our ref: 88/9113

Dear Sirs

Root ID

The samples you sent in relation to the above on 22/10/2024 have been examined. Their structures were referable as follows:

TH1, 2.1m		
2 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
1 no.	Examined root: POOR in condition. A CONIFER.	Very decayed*.
4 no.	Unfortunately all with insufficient cells for identification.	
TH1, 2.6m		
4 no.	Examined root: very THIN - under 0.4mm in diameter. We cannot rule out QUERCUS (Oak).	Dead* (note this 'dead' result can be unreliable with such
7 no.	Unfortunately all with insufficient cells for identification.	

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

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 * *

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