GSTL	Geotechnical Testing Analysis Report	auger environmental + claims mgmt + subsidence + drainage +
Unit 3 & 4, Heol Aur, Dafen Ind Estate, Dafen Llanelli, Carmarthenshire, SA14 8QN		Auger House, Cross Lane, Wallasey, Wirral, CH45 8RH

Summary Of Claim Details

Policy Holder	Unknown
Risk Address	Unknown
SI Date	22/10/2019
Issue Date	22/10/2019
Report Date	11/11/2019
Auger Reference	99216.1.1.RSS
Insurance Company	Axa Commerical
LA Claim Reference	SU1903936
LA Co. Reference	Crawford & Co

	Checked	11/11/2019	Wayne Honey	W. Honey
	Approved	11/11/2019	Paul Evans	P Evans

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LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX
(BS 1377 : Part 2 : 1990 Method 5)
DESCRIPTIONS

GSTL Contract Number	**46308**	
Risk Address	**Unknown**	
Auger Reference	**99216.1.1.RSS**	

TH Trial Hole	Sample Type	Depth (m)	Sample Description
TH1	D	0.50	Brown fine to medium gravelly silty CLAY
TH1	D	1.00	Brown silty CLAY
TH1	D	1.50	Brown fine to medium gravelly clayey SILT
TH1	D	2.00	Brown organic silty CLAY
TH1	D	2.50	Brown clayey SILT
TH2	D	0.50	Brown fine to medium gravelly silty CLAY
TH2	D	1.00	Brown fine to medium gravelly silty CLAY
TH2	D	1.50	Brown fine to medium gravelly clayey SILT
TH2	D	2.00	Brown organic silty CLAY
TH2	D	2.50	Brown organic clayey SILT

Test Operator	Checked	11/11/2019	Wayne Honey	W. Honey
Luke Williams	Approved	11/11/2019	Paul Evans	P Evans

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX
(BS 1377 : Part 2 : 1990 Method 5)

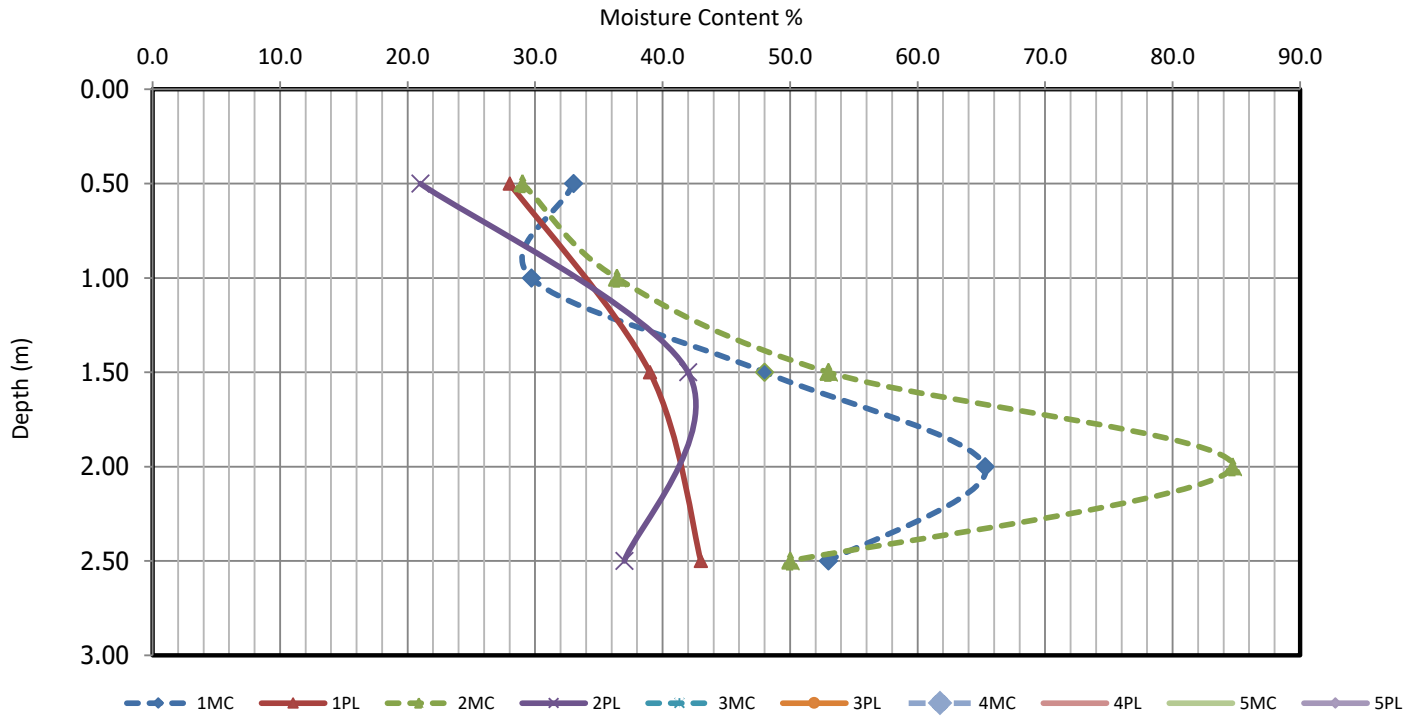
GSTL Contract Number	**46308**
Risk Address	**Unknown**
Auger Reference	**99216.1.1.RSS**
Remarks	NP - (Non-Plastic), # - (Liquid Limit and Plastic Limit Wet Sieved)

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	33	67	28	39	89	MEDIUM VCP	CH High Plasticity
TH1	D	1.00	30						
TH1	D	1.50	48	75	39	36	93	MEDIUM VCP	MV Very High Plasticity
TH1	D	2.00	65						
TH1	D	2.50	53	83	43	40	100	MEDIUM VCP	MV Very High Plasticity
TH2	D	0.50	29	57	21	36	88	MEDIUM VCP	CH High Plasticity
TH2	D	1.00	36						
TH2	D	1.50	53	85	42	43	91	HIGH VCP	MV Very High Plasticity
TH2	D	2.00	85						
TH2	D	2.50	50	74	37	37	100	MEDIUM VCP	MV Very 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)

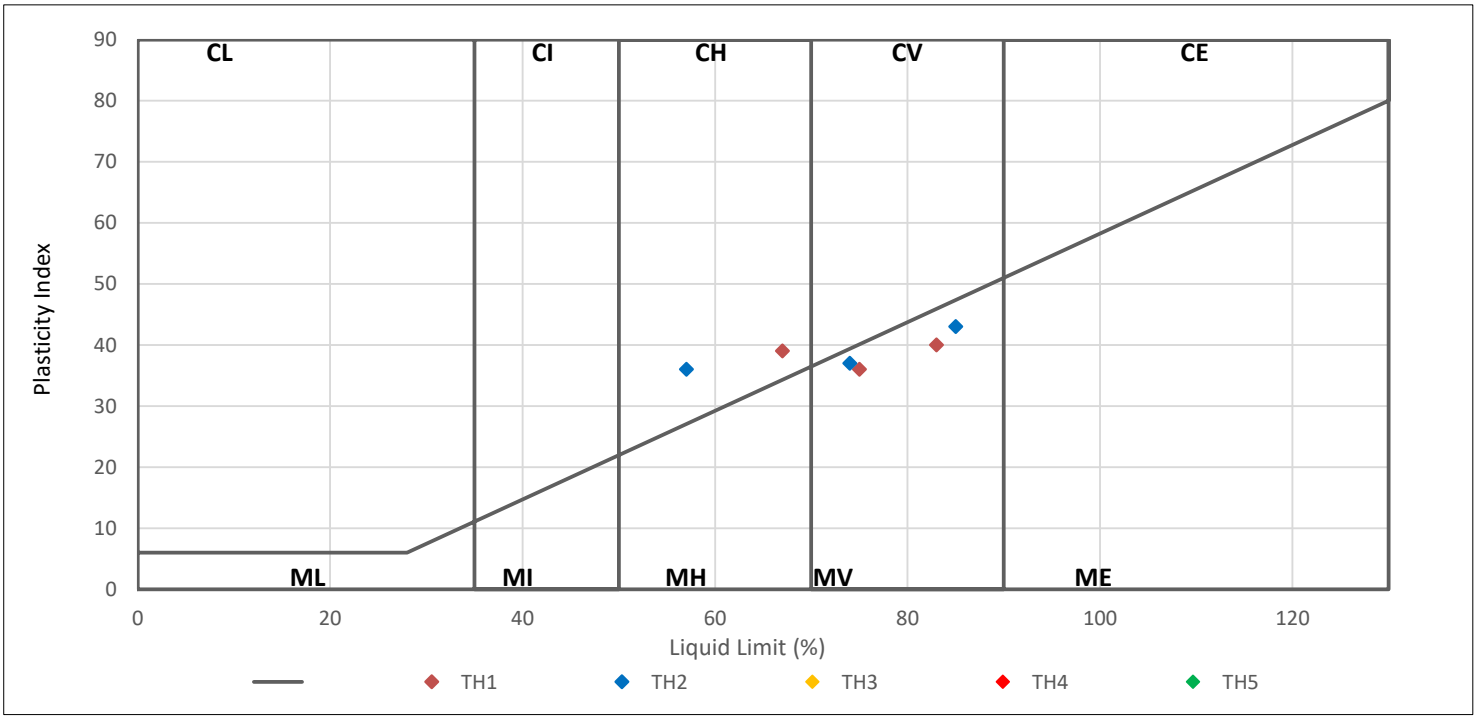
The Atterberg Limits May also be used to classify the volume change potential of fine soils using the National House building system, as given in the NHBC's Standards Chapter 4.2 (2003) "Building Near Trees"

Test Operator	Checked	11/11/2019	Wayne Honey	W. Honey
Luke Williams	Approved	11/11/2019	Paul Evans	P Evans



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	Checked	11/11/2019	Wayne Honey	W. Honey
Luke Williams	Approved	11/11/2019	Paul Evans	P Evans

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