Soils Analysis Report

Client	Lloyds Banking Group
Personal Claim Consultant	Ian Fores
Claim Number	100968417
Policy Holder	Cousins
Claim Address	Dodsworth House Keresforth Road S75 3ED
Investigation Date	13 January 2012
Report Date	06 February 2012

Testing Laboratory Details

PSL Professional Soils Laboratory	Contract No:	PSL12/0395	Date	06 February 2012	UKAS TESTING 4043
	Client Ref:	S1122	Date	06 February 2012	
	Compiled by		Date	06 February 2012	
	Checked by		Date	06 February 2012	
	Approved by		Date	06 February 2012	

Claim Address **Dodsworth House**
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Test Results

Lab Ref	TP/BH Ref	Depth (m)	MC (%)	Corr MC (%)	LL (%)	PL (%)	PI (%)	% Passing .425mm	Condition
001	BH1	1.02	9.3						Natural
002	BH1	1.50	7.6						Natural
003	BH1	2.00	22	22	64	27	37	100	Natural
004	BH1	2.50	18						Natural
005	BH1	3.20	22						Natural

Lab Ref	TP/BH Ref	Depth (m)	MC (%)	Corr MC (%)	LL (%)	PL (%)	PI (%)	% Passing .425mm	Condition
006	BH2	0.80	10						Natural
007	BH2	1.50	10						Natural
008	BH2	2.00	20	20	52	22	30	100	Natural
009	BH2	2.50	20						Natural
010	BH2	3.00	19	19	55	25	30	100	Natural
011	BH2	3.40	14						Natural

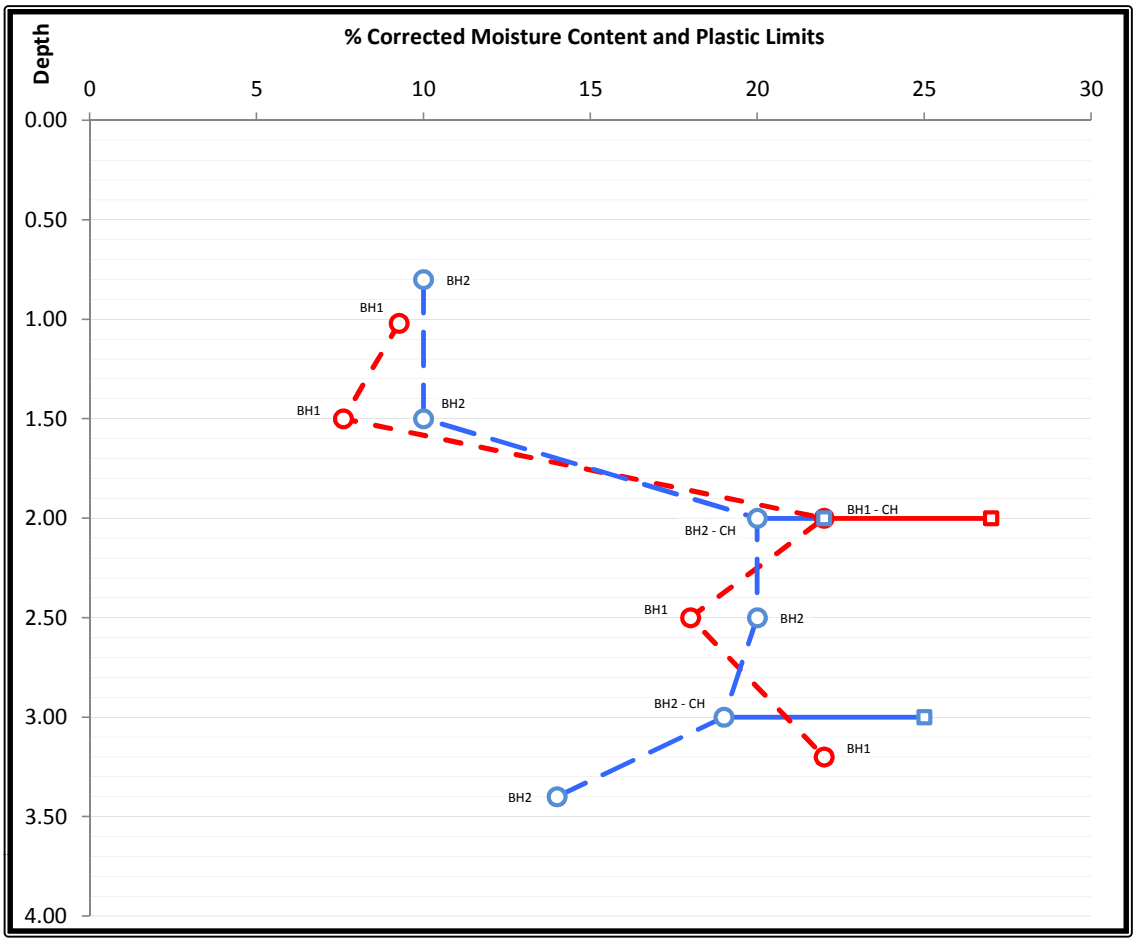
Lab Ref	TP/BH Ref	Depth (m)	MC (%)	Corr MC (%)	LL (%)	PL (%)	PI (%)	% Passing .425mm	Condition

Notes:
Where appropriate moisture contents have been corrected to demonstrate the equivalent moisture content following the sample being passed through a .425 mm sieve for comparison with the Liquid & Plastic Limit. Where this is not available, uncorretced moisture contents have been used in the following graph.

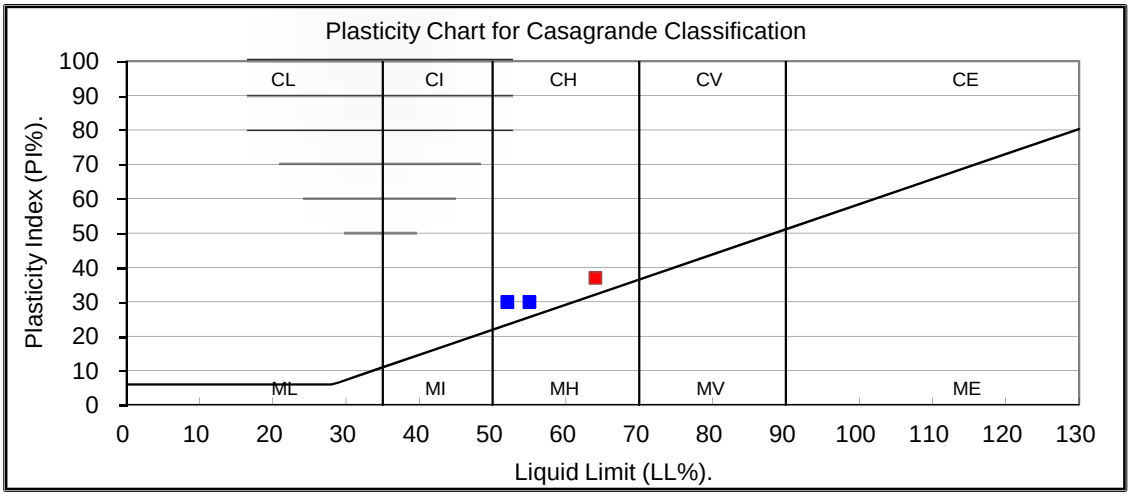
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Soil Classification Profile



Plastic Limit Corrected Moisture Content



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Soils Descriptions

Lab Ref	TP/BH Ref	Depth (m)	Description	BS:5930	NHBC Chapter 4.2
001	BH1	1.02	Dark grey sandy very silty GRAVEL.		
002	BH1	1.50	Dark grey sandy very silty GRAVEL.		
003	BH1	2.00	Brown mottled grey slightly sandy silty CLAY.	CH	Medium
004	BH1	2.50	Brown mottled grey sandy sandy very clayey silty GRAVEL.		
005	BH1	3.20	Brown mottled grey silty CLAY.		
Lab Ref	**TP/BH Ref**	**Depth (m)**	**Description**	**BS:5930**	**NHBC Chapter 4.2**
006	BH2	0.80	Brown sandy very clayey silty GRAVEL.		
007	BH2	1.50	Brown sandy very clayey silty GRAVEL.		
008	BH2	2.00	Brown mottled grey slightly sandy silty CLAY.	CH	Medium
009	BH2	2.50	Brown mottled grey slightly sandy silty CLAY.		
010	BH2	3.00	Brown mottled grey slightly sandy silty CLAY.	CH	Medium
011	BH2	3.40	Brown sandy very clayey silty GRAVEL.		
Lab Ref	**TP/BH Ref**	**Depth (m)**	**Description**	**BS:5930**	**NHBC Chapter 4.2**

References and Interpretation

The following provides a brief interpretation of the test results by comparison of the results to published classifications. The Atterberg Limit test may be used to classify the plasticity of soils; the plasticity classes defined in BS5930:1999 "Code of Practice for Site Investigations" are as follows.

CL (ML)	**:**	**CLAY and CLAY/SILT of Low plasticity**
CI (MI)	**:**	**CLAY and CLAY/SILT of Intermediate plasticity**
CH (MH)	**:**	**CLAY and CLAY/SILT of High plasticity**
CV (MV)	**:**	**CLAY and CLAY/SILT of Very High plasticity**
CE (ME)	**:**	**CLAY and CLAY/SILT of Extremely High plasticit**
O	**:**	**The letter O is added to prefixes to symbolise a significant proportion of organic matter.**
NP	**:**	**Non-plastic**

The Plasticity Index (PI) Result obtained from the Atterberg Limit tests may also be used to classify the potential for volume change of fine soils, in accordance with the National House Building Council's standards - Chapter 4.2 (2003) "Building Near Trees", as summarised below.

Modified PI < 10	**:**	**Non Classified.**
Modified PI = 10 to <20	**:**	**Low volume change potential.**
Modified PI = 20 to <40	**:**	**Medium volume change potential.**
Modified PI = 40 or greater	**:**	**High volume change potential.**

The 2003 edition of Chapter 4.2 also permits use of the Plasticity Index without modification. The classifications for this are grouped by soil type (soils with similar visual soils description and using unmodified Plasticity Indices.