SOIL ANALYSIS

for Subsidence Management Services

1 South Hill Park, , London, NW3 2ST

Client:	Subsidence Management Services
Client Contact:	Steven Wilkinson
Claim Number:	13D600339
Policy Holder:	Mr R Wright
Report Date:	22 July 2014
Our Ref:	C4598S11464

Compiled By:

Checked By:

SubsNetUK

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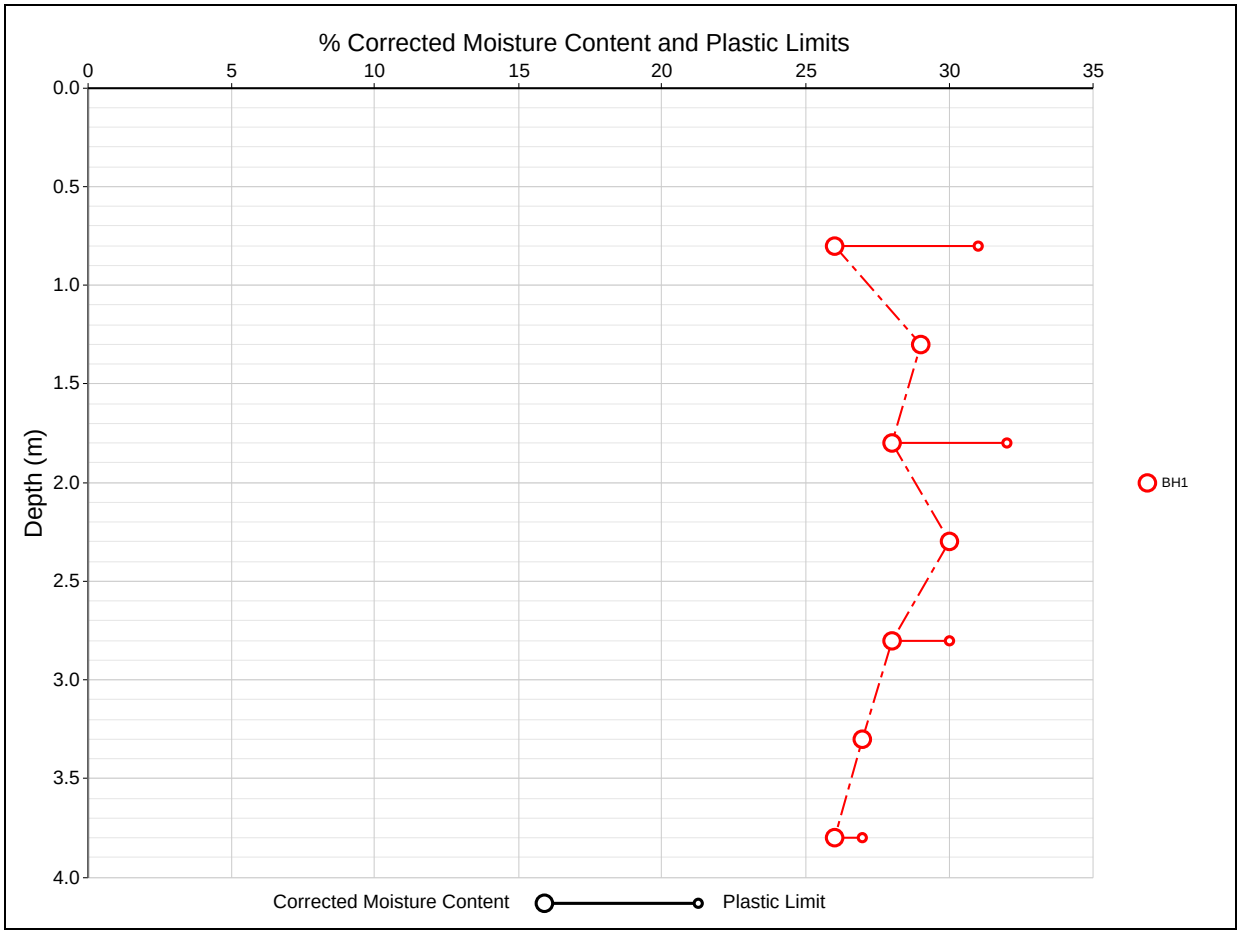
Note

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, uncorrected moisture contents have been used in the graph on the following page.

Lab Ref	Depth (m)	MC (%)	Corr MC (%)	LL (%)	PL (%)	PI (%)	% Passing .425mm
Samples from BH1							
001	0.80	26	26	75	31	44	100
002	1.30	29					
003	1.80	28	28	77	32	45	100
004	2.30	30					
005	2.80	28	28	76	30	46	100
006	3.30	27					
007	3.80	26	26	66	27	39	100

Corrected Moisture Content and Plastic Limits Graph



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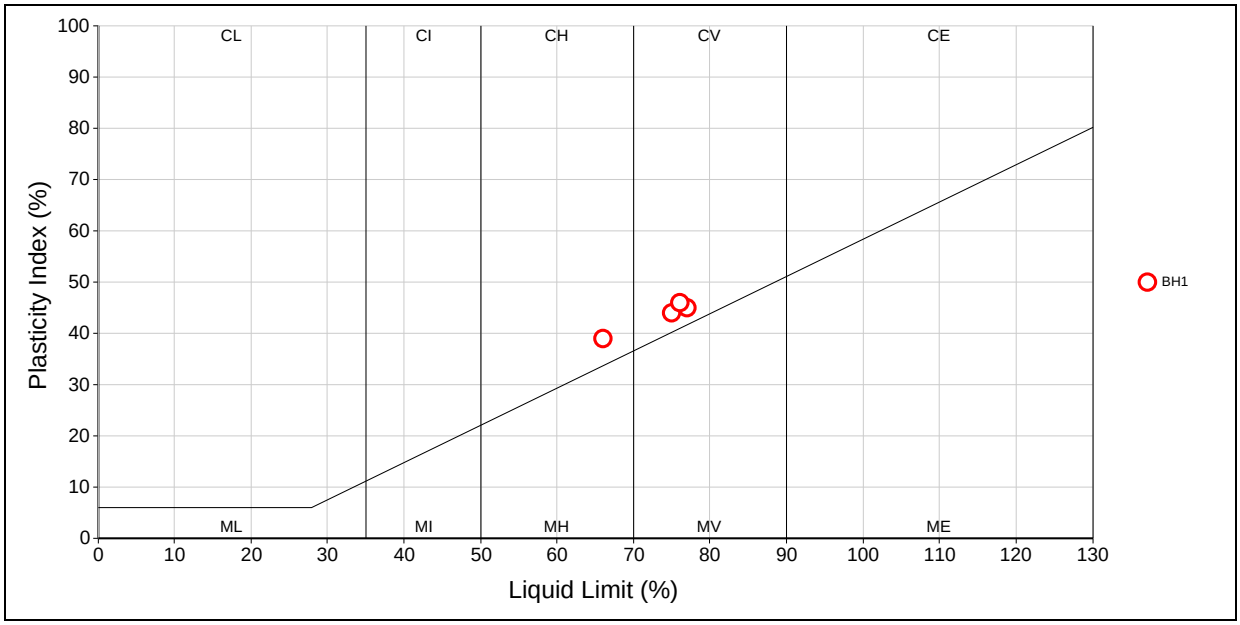
Lab Ref	Depth (m)	Description	BS:5930	NHBC Chapter 4.2
Samples from BH1				
001	0.80	Brown CLAY.	CV	High
002	1.30	Brown CLAY.		
003	1.80	Brown CLAY.	CV	High
004	2.30	Brown CLAY.		
005	2.80	Brown CLAY.	CV	High
006	3.30	Brown slightly sandy CLAY.		
007	3.80	Brown slightly sandy CLAY.	CH	Medium

Plasticity Chart for Casagrande Classification



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 plasticity
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.

SUCTION TESTING

for Subsidence Management Services

1 South Hill Park, , London, NW3 2ST

Client:	Subsidence Management Services
Client Contact:	Steven Wilkinson
Claim Number:	13D600339
Policy Holder:	Mr R Wright
Report Date:	22 July 2014
Our Ref:	C4598S11464
Compiled By:	
Checked By:	
Test Commenced:	16 July 2014
Test Completed:	21 July 2014
Days in Contact:	5

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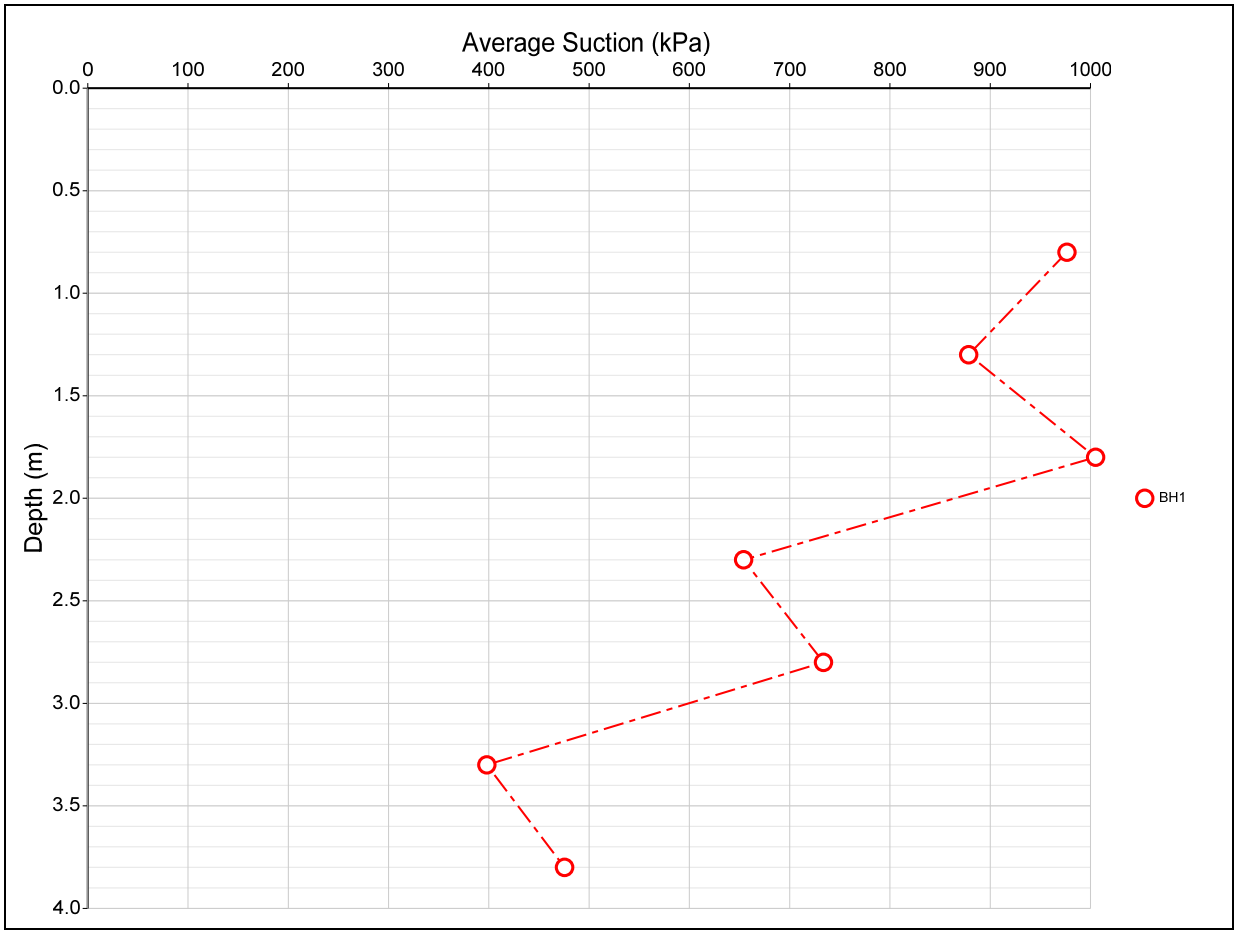
PSL

Lab Ref	Depth (m)	Filter Paper	Bag Weight (g)	Bag + Wet Filter (g)	Bag + Dry Filter (g)	Oven Dry Filter (g)	Water Content (%)	Suction (kPa)	Average (kPa)
Samples from BH1									
001	0.80	Top	1.304	1.785	1.676	0.372	29.198	1056.527	976.726
		Middle	1.291	1.800	1.681	0.390	30.441	884.179	
		Bottom	1.283	1.777	1.664	0.381	29.656	989.471	
002	1.30	Top	1.292	1.792	1.676	0.384	30.088	930.027	878.778
		Middle	1.305	1.807	1.689	0.384	30.635	859.998	
		Bottom	1.287	1.788	1.670	0.383	30.747	846.309	
003	1.80	Top	1.313	1.818	1.702	0.389	29.866	960.077	1005.650
		Middle	1.309	1.801	1.690	0.381	29.085	1073.819	
		Bottom	1.311	1.780	1.673	0.362	29.701	983.054	
004	2.30	Top	1.301	1.789	1.669	0.368	32.626	646.601	654.726
		Middle	1.319	1.812	1.691	0.372	32.608	648.299	
		Bottom	1.306	1.804	1.682	0.376	32.386	669.277	
005	2.80	Top	1.299	1.772	1.656	0.357	32.456	662.588	733.882
		Middle	1.304	1.790	1.676	0.372	30.567	868.457	
		Bottom	1.293	1.784	1.664	0.371	32.372	670.600	
006	3.30	Top	1.290	1.778	1.646	0.357	36.886	351.290	398.693
		Middle	1.296	1.770	1.648	0.352	34.699	480.565	
		Bottom	1.311	1.812	1.678	0.367	36.634	364.225	
007	3.80	Top	1.305	1.795	1.671	0.367	33.697	554.674	475.533
		Middle	1.317	1.807	1.679	0.362	35.202	447.161	
		Bottom	1.299	1.802	1.670	0.371	35.560	424.763	

Average Suction



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Average Water Content