SOIL ANALYSIS

for Subsidence Management Services

55 Albert Street, London, NW1 7LX

Client: Subsidence Management Services

Client Contact: Robert Kelso

Claim Number:

Policy Holder: Mr Marios Stergides

Report Date: 28 March 2019

Our Ref:

Laboratory Ref:

ed By:

Compiled By: Checked By:

Date samples received: 6 February 2019
Moisture Content Test Date: 19 February 2019
Atterberg Limits Test Date: 22 March 2019
Oedometer Test Date: 25 March 2019



Notes relating to soils testing

Unless otherwise stated, all soils testing was undertaken at Environmental Services' soils laboratory at unit 10H Maybrook Business Park, B76 1AL.

Soil samples have been prepared in accordance with BS1377:Part 1: 2016 Section 7

Descriptions of soil samples within the laboratory have been undertaken generally in accordance with BS5930:2015

Following the issue of this soil analysis report, samples will be retained for 1 month should additional testing, or referencing, be required. It should be noted that any tests undertaken on soils retained subsequent to the issue of this report may not give an accurate indication of the in-situ conditions of the sample.

Natural Moisture Content Tests are undertaken in accordance with ISO 17892:Part 1:2014

The Liquid Limit test is undertaken in accordance with BS1377:Part 2:1990 Section 4.4

The Plastic Limit test and the determination of the Plasticity Index is undertaken in accordance with BS1377:Part 2:1990 Section 5

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Note

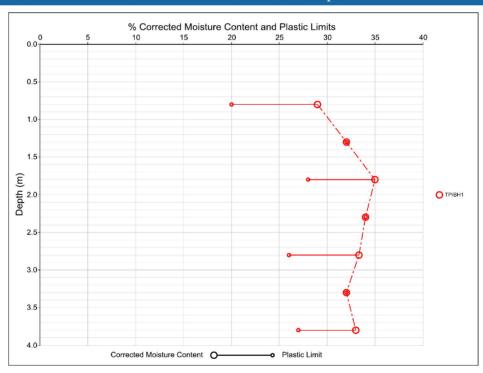
Where appropriate moisture contents have been corrected to demonstrate the equivalent moisture content following the sample being passed through a .425 mm sieve for comparison with the Liquid & Plastic Limit. Where this is not available, uncorrected moisture contents have been used in the graph on the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

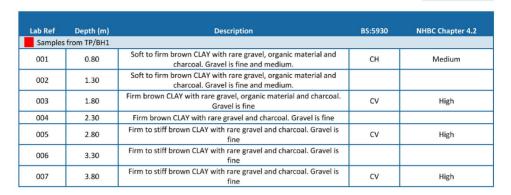
Deviations to testing schedule:

All testing has been undertaken in line with the soils testing schedule provided

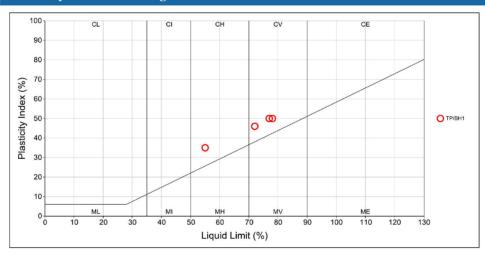
Lab Ref	Depth (m)	MC (%)	Corr MC (%)	LL (%)	PL (%)	PI (%)	% Passing .425mm
001	0.80	29	29	55	20	35	100
002	1.30	32					
003	1.80	35	35	78	28	50	100
004	2.30	34					
005	2.80	33	33	72	26	46	99
006	3.30	32					
007	3.80	33	33	77	27	50	100

Corrected Moisture Content and Plastic Limits Graph





Plasticity Chart for Casagrande Classification

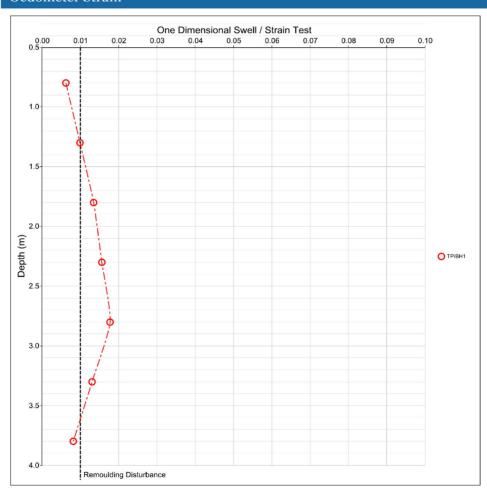


Summary of Oedometer Testing

Lab Ref	Depth (m)	Strain	Dd (mm)	Remarks
Samples	s from TP/BH1			
001	0.80	0.0063	2.5	
002	1.30	0.0099	2.5	
003	1.80	0.0136	3.4	
004	2.30	0.0156	3.9	
005	2.80	0.0178	4.5	
006	3.30	0.0131	3.3	
007	3.80	0.0083	2.1	

TP/BH1 Dd Total: 22.1mm

Oedometer Strain



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
0	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.