



Testing on Behalf of



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# Report of Analysis

Contract No: 23707-270614

Client: Auger Solutions  
Scotia House,  
Kelvinside, Wallasey,  
Merseyside  
CH44 7JY

## Claim Details

Policy Holder	n/a LHA London Ltd
Risk Address	Belsize 38-40 Belsize Park Gardens NW3 4NA
SI Date	25/06/2014
Issue Date	25/06/2014
Report Date	09/07/2014
Auger Ref	46404.1.2.RSS
Insurance Company	Ecclesiastical Insurance Group
LA Claim Reference	SU1401214
LA Co.	Crawford & Co

## Notes:

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- 1) Certificate
- 2) Descriptions
- 3) Atterberg Results
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Approved By:



Authorised Signatories:	Paul Evans Quality Manager	Emma Sharp Laboratory Co-Ordinator
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Hole Number	Sample Number	Depth	Description of Sample*
1		0.70	Brown silty CLAY
1		1.20	Brown silty CLAY
1		1.70	Brown silty CLAY
1		2.20	Brown silty CLAY
2		0.60	Brown silty CLAY
2		1.10	Brown silty CLAY
2		1.60	Brown silty CLAY
2		2.10	Brown silty CLAY
2		2.60	Brown silty CLAY



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**Belsize 38-40 Belsize Park Gardens NW3  
4NA**

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# Summary of Soil Classification Tests

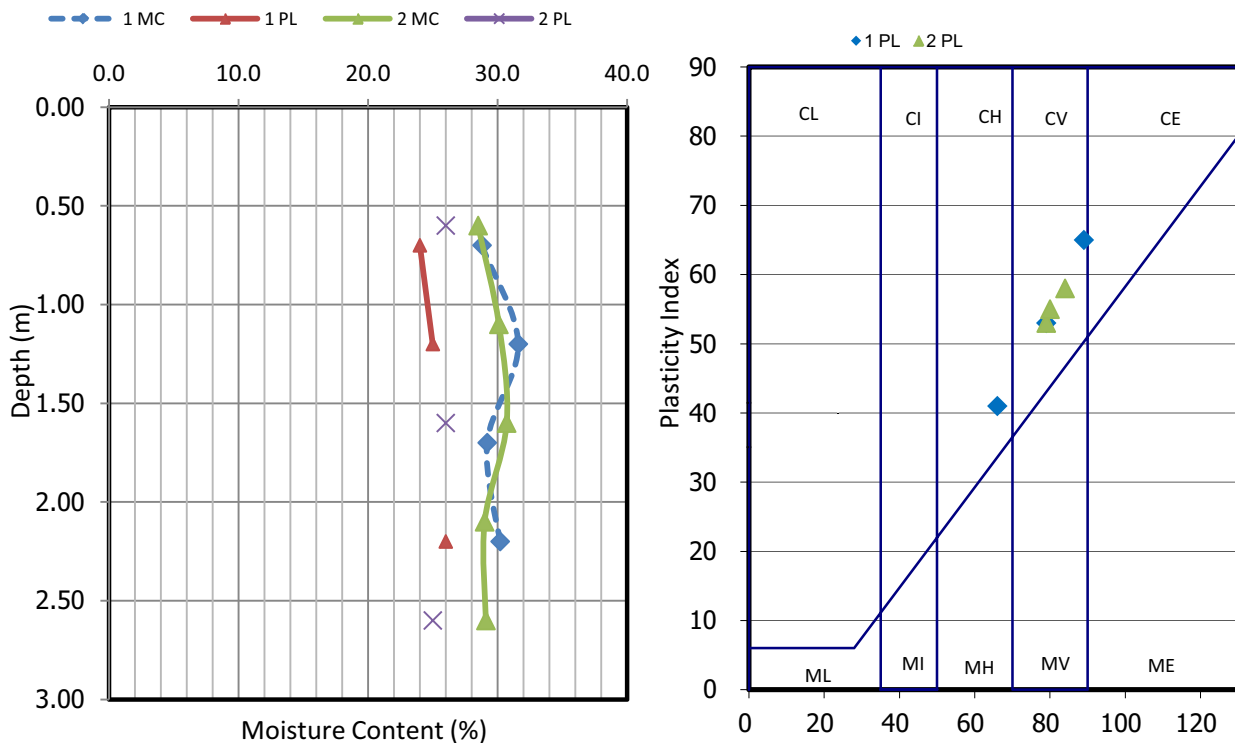
BS 1377:Part 2:1990 3.2 4.4 5.0

Hole/ Sample Number	Sample Type	Depth m	Moisture Content % Cl. 3.2	Liquid Limit % Cl. 4.3/4.4	Plastic Limit % Cl. 5.	Plasticity Index % Cl. 6.	% Passing .425mm	Remarks	NHBC Chapter 4.2
1	D	0.70	29	89	24	65	100	CV Very High Plasticity	HIGH VCP
1	D	1.20	32	66	25	41	100	CH High Plasticity	HIGH VCP
1	D	1.70	29						
1	D	2.20	30	79	26	53	100	CV Very High Plasticity	HIGH VCP
2	D	0.60	29	79	26	53	100	CV Very High Plasticity	HIGH VCP
2	D	1.10	30						
2	D	1.60	31	84	26	58	100	CV Very High Plasticity	HIGH VCP
2	D	2.10	29						
2	D	2.60	29	80	25	55	100	CV Very High Plasticity	HIGH VCP

Symbols: NP : Non Plastic # : Liquid Limit and Plastic Limit Wet Sieved

The Atterburg 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"

- 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 (Medium VCP)
- Modified PI = 40 or greater : High volume change potential (HIGH VCP)



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environmental  
claims mgmt  
subsidence  
drainage

**Belsize 38-40 Belsize Park  
Gardens NW3 4NA**

Liquid Limit (%)



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# Oedometer Results

<b>Borehole No:</b>	<b>1</b>			
<b>Location</b>	<b>Belsize 38-40 Belsize Park Gardens NW3 4NA</b>			
<b>Depth (m)</b>	<b>Sample No &amp; Comments</b>	<b>Moisture Content %</b>	<b>STRAIN</b>	<b>Dd (mm)</b>
<b>0.70</b>		<b>29</b>	0.0000	0.00
<b>1.20</b>		<b>32</b>	0.0295	7.39
<b>1.70</b>		<b>29</b>	0.0218	5.46
<b>2.20</b>		<b>30</b>	0.0316	5.40
				18.24

**Total Column Dd : 18.24 mm** Therefore Free Surface Heave Potential Over B/H is about 0cm to 2cm

<b>Borehole No:</b>	<b>2</b>			
<b>Location</b>	<b>Belsize 38-40 Belsize Park Gardens NW3 4NA</b>			
<b>Depth (m)</b>	<b>Sample No &amp; Comments</b>	<b>Moisture Content %</b>	<b>STRAIN</b>	<b>Dd (mm)</b>
<b>0.60</b>		<b>29</b>	0.0643	19.29
<b>1.10</b>		<b>30</b>	0.0409	10.22
<b>1.60</b>		<b>31</b>	0.0261	6.53
<b>2.10</b>		<b>29</b>	0.0319	5.48
<b>2.60</b>		<b>29</b>	0.0206	5.16
				46.68

**Total Column Dd : 46.68 mm** Therefore Free Surface Heave Potential Over B/H is about 0cm to 5cm

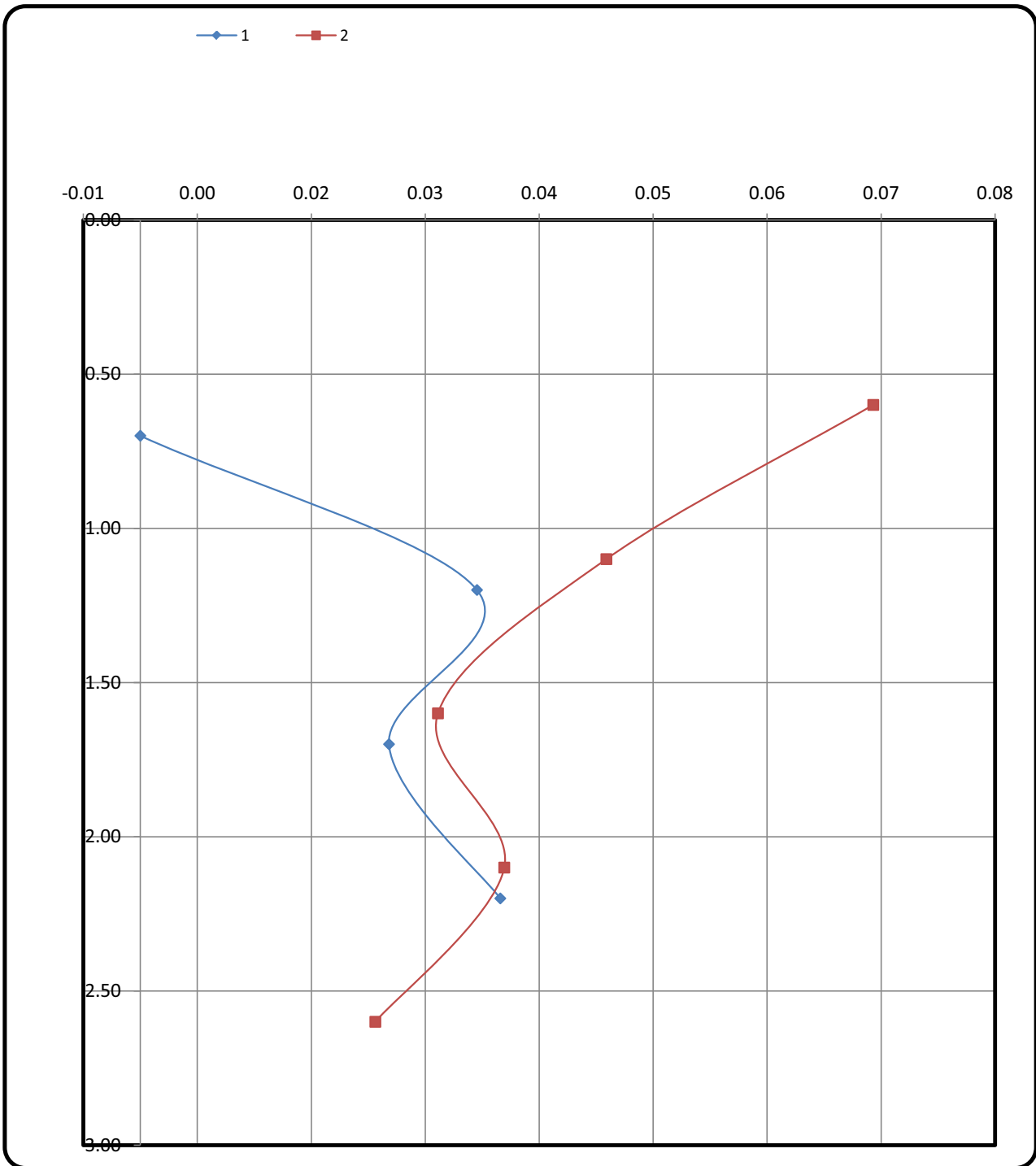


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# Oedometer Data



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