

NOT TO SCALE

Project:		8A Belmont Street, London NW1 8HH	
Client:	Eli Nathenson	Date:	February 2016
Trial Hole Location Plan		Ref:	GWPR1534

Figure 1

Preliminary Summary – Ground Investigation Report

CLIENT	Eli Nathenson
SITE ADDRESS	8A Belmont Street, London NW1 8HH
REPORT REFERENCE	GWPR1534
ENGINEER	Megan James, Ground and Water Limited
INVESTIGATION LOCATIONS	Please see Figure 1 Attached. Site works were undertaken on the 19 th January 2016 and 2 nd February 2016.

GROUND CONDITIONS ENCOUNTERED	Summary of Strata Encountered (WS1)		
	Strata	Depth Encountered (m bgl)	Thickness (m)
	MADE GROUND: Concrete overlying light brown clayey sand and gravel. Sand is fine to coarse grained. Gravel is occasional to abundant, fine to coarse, sub-angular to sub-rounded flint, brick and concrete.	GL	1.70
	MADE GROUND: Grey/brown sandy gravelly silty clay. Sand is fine to coarse grained. Gravel is occasional, fine to coarse, sub-angular to sub-rounded carbonaceous material (coal/ash), brick and flint. Soft dark blue/grey lenses noted.	1.70	0.50
	LONDON CLAY FORMATION: Brown, with occasional orange brown and grey mottling, silty CLAY.	2.20	>1.70

IN-SITU STRENGTH TESTING (SHDP)	LONDON CLAY FORMATION: Medium to extremely high undrained shear strength (50 - 560kPa)
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GROUNDWATER	No groundwater was encountered.
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ROOTS	No roots were noted.
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ANTICIPATED VOLUME CHANGE POTENTIAL	LONDON CLAY FORMATION: Likely to have high volume change potential in accordance with NHBC Standards Chapter 4.2 and BRE240. Subject to confirmation of results of geotechnical classification testing.
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FOUNDATION RECOMMENDATIONS	Due to the soils having the potential for volume change foundations must not be placed within cohesive root penetrated and/or desiccated soils and the influence of the trees surrounding the site must be taken into account. The base of the foundations excavations must extend at least 300mm into non-root penetrated soils.
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Foundations must be taken through any Made Ground and into the underlying London Clay Formation.

At the time of writing, the proposed development is understood to comprise the demolition of the existing properties and construction of an attached pair of two storey residential houses with roof accommodation and basements. The basements are anticipated to be constructed at 3.00 – 3.50m bgl.

Foundations constructed on the London Clay Formation at 3.00m - 3.50m bgl can be designed based on a presumed safe bearing capacity of 125kN/m². This is based on trial hole records, inspection of

samples recovered and referral to BS 8004:1986, *Code of Practice for Foundations*, the results of the SHDP and based on a 5m long by 1m wide foundation and a maximum settlement of 25mm.

This preliminary information may be subject to amendment in the final report and no liability can be accepted for any actions based on this preliminary information.

Project Name
8A Belmont Street

Project No.
GWPR1534

Co-ords: -

Hole Type
WS

Location: London NW1 8HH

Level: -

Scale
1:50

Client: Eli Nathenson

Dates: 02/02/2016

Logged By
MJ

Well	Water Strikes	Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15		CONCRETE	
		0.50	D				MADE GROUND: Light brown clayey sand and gravel. Sand is fine to coarse grained. Gravel is occasional to abundant, fine to coarse, sub-angular to sub-rounded flint, brick and concrete.	
		0.80	D					
		1.00	D					
		1.50	D				MADE GROUND: Grey/brown sandy gravelly silty clay. Sand is fine to coarse grained. Gravel is occasional, fine to coarse, sub-angular to sub-rounded carbonaceous material (coal/ash), brick and flint. Soft dark blue/grey lenses noted.	
		2.00	D		1.70			
		2.50	D		2.20		LONDON CLAY FORMATION: Brown with occasional orange brown and grey mottling silty CLAY.	
		3.00	D					
		3.50	D					
		4.00	D					
					4.00			
End of Borehole at 4.00 m								

Remarks: No groundwater noted.
No roots noted.
19mm diameter standpipe installed to 2.70m bgl.



DYNAMIC PROBING

Probe No **DP1**

Client **Eli Nathenson**

Sheet 1 of 1

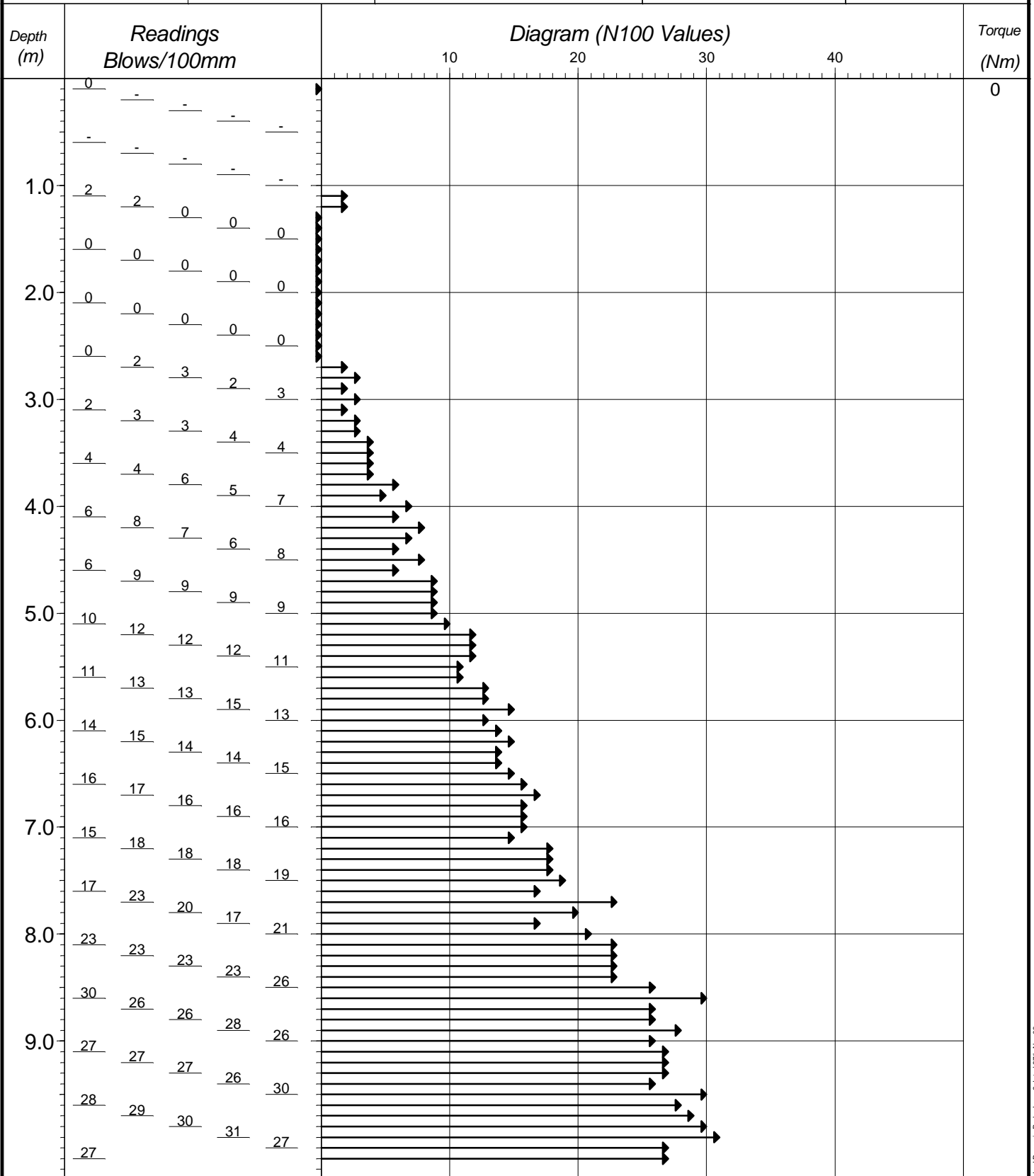
Site **8A Belmont Street**

Project No **GWPR1534**

E - N - Level -

Date **19/01/2016**

Logged by **BS Ltd**



Ground and Water Ltd

Fall Height **750**

Cone Base Diameter **50**

Hammer Wt **63.50**

Final Depth **10.00**

Probe Type **DPSH**

Log Scale **1:50**

