




Key:

-  BH Cable percussive borehole
-  TP Trial pit location
-  Approximate location of sub-basement excavations

IMPORTANT – Please Read

This drawing is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project details below. LMB accepts no liability for the misinterpretation or use of this illustration by any other parties.



Site:
Castlewood & Medius House, London

Figure Number: Figure 2

Title: Exploratory Hole Location Plan

Project No:	Created By: PIL	Date: July 2018
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Client: RLAM

APPENDICES

Appendices

APPENDIX A EXPLORATORY HOLE LOGS & PHOTOGRAPHS



Borehole Log

Borehole No.
BHDA101

Sheet 1 of 5

Project Name: Castlewood House & Medius House	Project No. LMB_Castlewood	Co-ords: 529981.60 - 181390.07	Hole Type CP
Location: New Oxford Street, London WC1A		Level: 22.40	Scale 1:50
Client: RLAM Ltd		Dates: 25/06/2018 - 29/06/2018	Logged By PIL/DN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.07			0.07	22.33		MADE GROUND: block paving.
		0.20			0.20	22.20		Concrete.
		0.50	B	PID=0				MADE GROUND: brown clayey gravelly sand with brick and concrete cobbles.
		1.00	ES	PID=0				
		1.20	B	N=12 (1,1/2,2,4,4) PID=0	1.20	21.20		MADE GROUND: brown with orange brown mottling with occasional brick gravel.
		2.00		N=30 (3,7/8,7,7,8) PID=0	2.00	20.40		Medium dense to dense brown very sandy sub-angular to rounded fine to coarse flint and occasional quartz GRAVEL with occasional flint cobbles. (LYNCH HILL GRAVEL MEMBER).
		3.00		N=27 (5,6/7,6,7,7)				
		3.50			3.50	18.90		Firm brown with orange brown mottling CLAY. (LONDON CLAY FORMATION)
		4.00		N=16 (2,2/3,3,4,6)	3.80	18.60		Stiff dark grey to grey brown CLAY. Very closely fissured. (LONDON CLAY FORMATION).
		5.00	U					
	6.50	B	N=25 (3,4/5,6,6,8)					
	6.50							
	8.00	U						
	9.50		N=28 (4,5/6,7,6,9)					

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Remarks
Refusal at 47m - unable to drive casing.





Borehole Log

Borehole No.

BHDA101

Sheet 2 of 5

Project Name: Castlewood House & Medius House Project No. LMB_Castlewood Co-ords: 529981.60 - 181390.07 Hole Type CP

Location: New Oxford Street, London WC1A Level: 22.40 Scale 1:50


Client: RLAM Ltd Dates: 25/06/2018 - 29/06/2018 Logged By PIL/DN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
							10.0m occasional very fine white shell fragments.	
		11.00	U					
		12.00		N=29 (4,5/6,7,8,8)	12.00	10.40	Very stiff dark grey CLAY. Very closely fissured. (LONDON CLAY FORMATION).	
		14.00	U					
		15.50		N=33 (4,5/7,8,9,9)				
		17.00	U					
		18.50		N=37 (4,6/7,8,10,12)				
		20.00	U		20.00	2.40	16.0m occasional blue/grey traces (possible bioturbation).	

Continued on next sheet

Remarks
Refusal at 47m - unable to drive casing.



				<h1>Borehole Log</h1>			Borehole No. BHDA101		
Project Name: Castlewood House & Medius House				Project No. LMB_Castlewood		Co-ords: 529981.60 - 181390.07		Sheet 3 of 5 Hole Type CP	
Location: New Oxford Street, London WC1A				Level: 22.40		Scale 1:50			
Client: RLAM Ltd				Dates: 25/06/2018 - 29/06/2018		Logged By PIL/DN			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		21.50		N=45 (5,7/10,11,11,13)				Stiff to very stiff dark grey silty CLAY. (LONDON CLAY FORMATION).	
								21	
									22
			23.00	U		23.00		-0.60	23
						24.00		-1.60	24
			24.50		50 (25 for 100mm/50 for 250mm)				25
		26.00	U		26.00	-3.60	26		
		27.50		N=72 (7,10/12,15,20,25)				27	
		29.00	U					29	
								30	

22.0m occasional silty fine sand lenses.

Continued on next sheet

Remarks
 Refusal at 47m - unable to drive casing.





Borehole Log

Borehole No.
BHDA101

Sheet 4 of 5

Project Name: Castlewood House & Medius House	Project No. LMB_Castlewood	Co-ords: 529981.60 - 181390.07	Hole Type CP
Location: New Oxford Street, London WC1A		Level: 22.40	Scale 1:50
Client: RLAM Ltd		Dates: 25/06/2018 - 29/06/2018	Logged By PIL/DN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
Well casing		30.50		N=93 (6,12/18,21,24,30)	31.00	-8.60	Clay	Stiff dark grey slightly silty CLAY with black silty laminations and rare pyrite nodules. (LAMBETH GROUP).
		32.00		66 (7,10/15,21,30,)				32.0m rare fine shell fragments.
		33.50		55 (8,12/20,35,,)	33.00	-10.60		Very stiff grey purple red and brown mottled CLAY. (LAMBETH GROUP).
		35.00		N=90 (8,11/17,22,24,27)				
		36.50		50 (12,25/50,,,))				
		38.00		N=90 (8,12/15,20,25,30)	38.00	-15.60		Stiff dark grey very silty CLAY with partings of fine black silty sand. (LAMBETH GROUP).
		39.50		50 (25 for 125mm/50,,,))				

Continued on next sheet

Remarks
Refusal at 47m - unable to drive casing.





Borehole Log






Borehole No.
BHDA101
Sheet 5 of 5

Project Name: Castlewood House & Medius House	Project No. LMB_Castlewood	Co-ords: 529981.60 - 181390.07	Hole Type CP
Location: New Oxford Street, London WC1A		Level: 22.40	Scale 1:50
Client: RLAM Ltd		Dates: 25/06/2018 - 29/06/2018	Logged By PIL/DN

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		41.00		50 (25 for 125mm/50,,)				41
		42.50 42.50	D	50 (25 for 125mm/50,,)	43.00	-20.60	42.0m black rounded coarse gravel (pebbles).	42
		44.00		50 (25 for 125mm/50,,)			Light grey very silty sandy CLAY / clayey silty fine SAND with black rounded pebbles. (LAMBERTH GROUP).	43
		45.50		50 (25 for 125mm/50,,)				44
					47.00	-24.60	End of borehole at 47.00 m	45
								46
								47
								48
								49
								50

Remarks
Refusal at 47m - unable to drive casing.




						<h1>Borehole Log</h1>		Borehole No. BHDA102			
Project Name: Castlewood House & Medius House						Project No. LMB_Castlewood		Co-ords: 529979.73 - 181374.97		Sheet 1 of 5 Hole Type CP	
Location: New Oxford Street, London WC1A						Level: 22.26		Scale 1:50			
Client: RLAM Ltd						Dates: 18/06/2018 - 21/06/2018		Logged By PIL			
Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.06 0.10			0.06 0.10	22.20 22.16	 	MADE GROUND: block paving. MADE GROUND: sub-base.			
		0.50 0.50	B ES	PID=0					MADE GROUND: brown slightly clayey gravelly sand. Gravel sub-angular fine to coarse flint, brick and rare concrete.		
		1.20 1.20	ES	N=16 (2,5/4,3,4,5) PID=0	0.90	21.36		Medium dense brown to orange/brown slightly gravelly fine to medium SAND. Gravel sub-angular to rounded fine to coarse flint. (LYNCH HILL GRAVEL MEMBER).			
		2.00 2.00	B	N=20 (2,3/2,4,6,8) PID=0				3m becomes more gravelly and medium SAND.			
		3.00 3.00	B	N=45 (3,5/7,8,12,18) PID=0							
		4.00 4.00		N=9 (5,4/3,2,2,2) PID=0	4.10	18.16		Firm brown with orange brown mottling CLAY. (LONDON CLAY FORMATION).			
			5.00	50 (25 for 100mm/50 for 238mm)	4.50	17.76	Stiff dark grey CLAY. Very closely fissured. (LONDON CLAY FORMATION).				
			5.50		5.50	16.76	Moderately weak to moderately strong grey/brown MUDSTONE. (LONDON CLAY FORMATION).				
			5.80		5.80	16.46	Stiff dark grey CLAY. Very closely fissured. (LONDON CLAY FORMATION).				
			6.50	U							
		8.00		N=26 (3,5/5,7,7,7)							
		9.00	D								
		9.50	U								

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Remarks
 Casing driven off on mudstone at c. 11m bgl. Refusal at 42m - unable to keep hole straight and drive casing down.



Well		Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Water Strikes	Depth (m)	Type	Results					
		11.00		50 (25 for 12mm/50 for 238mm)	10.50 10.70 11.00 11.50	11.76 11.56 11.26 10.76	<p>Moderately strong grey MUDSTONE. (LONDON CLAY FORMATION).</p> <p>Stiff dark grey CLAY. Very closely fissured. (LONDON CLAY FORMATION).</p> <p>Moderately strong grey MUDSTONE. (LONDON CLAY FORMATION).</p> <p>Stiff dark grey CLAY. very closely fissured with rare grey veining (possible bioturbation) and fine white shell fragments. (LONDON CLAY FORMATION).</p>	11 12 13 14 15 16 17 18 19 20
		12.50	U					
		14.00		N=33 (4,6/7,8,8,10)				
		15.50	U					
		16.50	D					
		17.00		N=42 (5,7/9,10,11,12)				
		18.50	U					



Borehole Log

Borehole No. **BHDA102**
Sheet 2 of 5

Project Name: Castlewood House & Medius House
Project No. LMB_Castlewood
Co-ords: 529979.73 - 181374.97
Hole Type CP

Location: New Oxford Street, London WC1A
Level: 22.26
Scale 1:50

Client: RLAM Ltd
Dates: 18/06/2018 - 21/06/2018
Logged By PIL

Remarks
Casing driven off on mudstone at c. 11m bgl. Refusal at 42m - unable to keep hole straight and drive casing down.



Continued on next sheet



Borehole Log

Borehole No.

BHDA102

Sheet 3 of 5

Project Name: Castlewood House & Medius House	Project No. LMB_Castlewood	Co-ords: 529979.73 - 181374.97	Hole Type CP
Location: New Oxford Street, London WC1A		Level: 22.26	Scale 1:50
Client: RLAM Ltd		Dates: 18/06/2018 - 21/06/2018	Logged By PIL

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		20.00		N=46 (6,8/10,11,12,13)					
		21.50	U						21
		22.00			22.00	0.26	Stiff dark grey silty sandy CLAY with occasional grey/veining (possible bioturbation traces). (LONDON CLAY FORMATION). <i>22m grey silty partings and clay locally silty.</i>		22
		23.00		N=49 (6,8/10,12,13,14)					23
		24.50	U		24.50	-2.24	Very stiff brown and grey blue mottled CLAY. (LAMBETH GROUP).		24
		25.50			25.50	-3.24	Very stiff red to brown and grey blue mottled CLAY. (LAMBETH GROUP).		25
		26.00		71 (10,15/19,22,30,)					26
		27.00	D						27
		27.50	U						28
		29.00		N=85 (8,12/15,18,22,30)					29
									30

Continued on next sheet

Remarks
Casing driven off on mudstone at c. 11m bgl. Refusal at 42m - unable to keep hole straight and drive casing down.

