

CENTRAL SOMERS TOWN, LONDON

FACTUAL AND INTERPRETATIVE REPORT ON GROUND INVESTIGATION

VOLUME 1: FACTUAL REPORT

Report No D5061-15/1

September 2016

Carried out for:

London Borough of Camden 5 Pancras Square London N1C 4AG

Engineer:

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Whilst every effort has been made to ensure the accuracy of the data supplied and any analysis interpretation derived from it, the possibility exists of variations in the ground and groundwater conditions around and between the exploratory positions. No liability can be accepted for any such variations in these conditions. Furthermore, any recommendations are specific to the development as detailed in this Report and no liability will be accepted should they be used for the design of alternative schemes without prior consultant with ESGL



REPORT STRUCTURE

DATE	TITLE	REPORT NO.
September 2016	FACTUAL REPORT	D5061-15/1
September 2016	INTERPRETATIVE REPORT	D5061-15/2



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1 INTRODUCTION

In November 2015 ESG was commissioned by AKT II, on behalf of the London Borough of Camden, to carry out a ground investigation at Central Somers Town. The investigation was required to obtain geotechnical and geoenvironmental information for the proposed redevelopment of Edith Neville Primary School and the construction of new residential properties and local community facilities.

The scope of the investigation was specified by ESG and comprised cable percussion boreholes, windowless sampler boreholes, trial pits, in situ testing and laboratory testing. The investigation was performed in accordance with the contract specification, and the general requirements of BS 5930 (2015), BS EN 1997-2 (2007), BS EN ISO 22475-1 (2006) and other relevant related standards identified below. The fieldwork took place between 16 November and 7 January 2016.

2 SITE SETTING

2.1 Location and Description

Central Somers Town is located within the London Borough of Camden in central London at National Grid reference TQ 297 831, see Site Location Plan in Appendix A.

The site area can be divided in to three sections. The western part of the site comprises a children's play area, an outdoor fitness area and a community play project. The children's play area is on hard standing, whilst the outdoor fitness equipment is on a mix of grass and rubber matting. There is some vegetation in the form of trees and bushes around the perimeter of the area. The community play project consists of a building and outdoor play area which is divided into a hard standing football pitch and a grass covered play area.

The central part of the site comprises Edith Neville Primary School. There is vegetation, comprising trees and shrubs, mainly along the external boundaries of the school. This part of the site is predominately level with the exception of a playground in the south west corner of the school which is on a lower level, accessed by steps and a ramp.

The eastern end of the site comprises Brill Place Park. This area is mainly grassed with hard standing footpaths crossing the park. There are dense bushes along the eastern boundary of the site with mature trees scattered across the park. In the north east corner of the park there is a



children's play area on hard standing with additional play equipment immediately adjacent to the boundary of the park on rubber matting. The park is gently undulating and slopes down towards the north western corner.

2.2 Published Geology

The published geological map for the area, BGS Sheet 256 (2006) and the BGS Geology of Britain Viewer (2016) show the solid geology to comprise the London Clay Formation which is underlain by the Lambeth Group.

There is no record of any superficial deposits in the area, although the geology map shows localised areas of 'Reworked Ground' to the east and west of the site.

3 FIELDWORK

The fieldwork was carried out in general accordance with BS 5930 (2015), BS EN 1997-2 (2007) and BS EN ISO 22475-1 (2006).

The exploratory hole and in situ test locations were selected by AKT II. The locations were set out from local features. The co-ordinates and reduced levels were surveyed by ESG to National Grid and Ordnance Datum. The exploratory hole and in situ test locations are shown on the Site Plan in Appendix A.

3.1 Exploratory Holes

ТҮРЕ	QUANTITY	MAXIMUM DEPTH (m)	REMARKS
Cable Percussion Boring	11	30.30	Designated BH1, BH1A, BH2 to BH10
Trial Pit (machine dug)	2	2.20	Designated TP4 and TP5
Trial Pit (hand dug)	2	1.20	Designated HP2 and HP3.
Window Sampling	46	7.65	Designated WS2 to WS7, WS7B, WS8, WS9, WS9A, WS9B, WS10, WS10A, WS11, WS11A, WS11B, WS12, WS12A, WS13, WS13A, WS14, WS14A, WS14B, WS15, WS15A, WS16, WS17, WS17A, WS17B, WS18, WS19, WS20, WS20A, WS21, WS21A, WS22 to 24, WS24A, WS25, WS25A, WS26, WS26A and WS27 to 29.

TABLE 1 : SUMMARY OF EXPLORATORY HOLES



BH1A was terminated on an obstruction at 0.40 m depth and relocated to BH1. BH6 also encountered an obstruction (at 2.80 m depth), but could not be relocated due to the space restrictions and the presence of numerous buried services in that part of the site.

In addition, a number of window sampler boreholes were terminated short of their scheduled depth, either due to encountering obstructions or due to evidence of asbestos. Further details are provided on the borehole logs.

The exploratory hole logs are presented in Appendix B. These provide information including the equipment and methods used, samples taken, tests carried out, water observations and descriptions of the strata encountered. Explanation of the terms and abbreviations used on the logs is given in the Key to Exploratory Hole Records in Appendix B, together with other explanatory information. The logging of soil is in accordance with BS EN ISO 14688-1+A1 (2013), as amplified by BS 5930 (2015).

Photographs of the trial pits are presented in Appendix G.

On completion of the fieldwork geotechnical samples were transported to the Wokingham office of ESG for temporary retention, with those required for testing being transferred to the in-house laboratories. Geoenvironmental samples were transported from site directly to ESG's environmental chemistry laboratory.

3.2 Groundwater and Gas Monitoring

Instrumentation installed in the exploratory holes for groundwater and gas monitoring are shown on the logs and summarised in Appendix C. Records of the six rounds of monitoring, being carried out by ESG on 15 / 22 January, 17 February, 22 March, 12 April, 23 May and 20 June 2016, are presented in Appendix C.

3.3 In Situ Testing

In situ testing was carried out in accordance with the relevant standards as tabulated below. The testing is summarised in the following table and the results are presented in Appendix D unless noted otherwise.

Relevant calibration certificates are included with the results in the appendix.



TABLE 2: SUMMARY OF IN SITU TESTING

ТҮРЕ	QUANTITY	REMARKS
Standard Penetration Tests	122	BS EN ISO 22476-3 (2011). Results presented on the borehole logs in Appendix B
Dynamic Cone Penetrometer Test	8	Designated TRL1, 2 and 5 to 10. Test results used to estimate California Bearing Ratio (CBR) values based on TRRL Overseas Road Note 8 (1990)

4 LABORATORY TESTING

4.1 Geotechnical Testing

Geotechnical laboratory testing was scheduled by ESG and was carried out in accordance with BS 1377 (1990) unless otherwise stated. The tests completed are summarised below and the results presented in Appendix E.

TABLE 3 : SUMMARY OF GEOTECHNICAL LABORATORY TESTING

ТҮРЕ	REMARKS
Water Content Determination	36 tests
Atterberg Limit Determination	36 tests
Particle Density	6 tests
Particle Size Distribution Analysis	4 tests
Oedometer Consolidation	6 tests
Unconsolidated Undrained Triaxial Compression Testing	58 tests
Consolidated Undrained Triaxial Compression Testing (Multistage)	3 tests
Water-soluble Sulphate Content Acid-soluble Sulphate Content Total Sulphur Content pH	Test methods are BS 1377 or others recognised in BRE Special Digest 1 (2005), as indicated on the results sheets in Appendix E.

4.2 Geoenvironmental Testing

Geoenvironmental laboratory testing was scheduled by ESG on selected soil samples recovered during the fieldwork. The testing was carried out by ESG's environmental chemistry laboratory at Burton on Trent. The results are presented in Appendix F.



REFERENCES

BGS England and Wales Sheet 256 : 2006 : North London. 1:50000 geological map (solid and drift) (Bedrock and Superficials). British Geological Survey.

BGS Geology of Britain Viewer : 2016. www.bgs.ac.uk. British Geological Survey.

BS 1377 : 1990 : Methods of test for soils for civil engineering purposes. British Standards Institution.

BS 5930 : 2015 : Code of practice for ground investigations. British Standards Institution.

BS EN 1997-2 : 2007 : Eurocode 7 - Geotechnical design - Part 2 Ground investigation and testing. British Standards Institution.

BS EN ISO 14688-1:2002+A1 : 2013 : Geotechnical investigation and testing - Identification and classification of soil - Part 1 Identification and description. British Standards Institution.

BS EN ISO 14688-2:2004+A1 : 2013 : Geotechnical investigation and testing - Identification and classification of soil - Part 2 Principles for a classification. British Standards Institution.

BS EN ISO 22475-1 : 2006 : Geotechnical investigation and testing – Sampling methods and groundwater measurements - Part 1 Technical principles for execution. British Standards Institution.

BS EN ISO 22476-3:2005+A1 : 2011 : Geotechnical investigation and testing - Field testing - Part 3 Standard penetration test. British Standards Institution.

TRRL: 1990: Overseas Road Note 8 – A user's manual for a programme to analyse dynamic cone penetrometer data. Transport and Road.



APPENDIX A FIGURES AND DRAWINGS

Site Location Plan Site Plan A1 A2 **Site Location Plan**





Notes: Scale 1:50 000	Project	Central Somers Town, London	Figure
	Project No.	D5061-15	A1
	Carried out for	London Borough of Camden	



GENERAL NOTES				
 Reproduced from Survey Solutions Drawing No. 12681UG-01 & 12681UG-02. Hole Locations to National Grid Co-ordinate Reference System. 				
LEGEND TO SYMBOLS				
 Borehole Location Window Sample Location Trial Pit Location DCP Test Location 				
Scale: 1:1000 0 10m 20 30 40 50				
x x x x x				
Rev Drawn Date Approv. Date Modification Details				
AMENDMENTS				
SITE PLAN				
Project CENTRAL SOMERS TOWN, LONDON				
Client				
LONDON BOROUGH OF CAMDEN				
ESG 🔗				
DateDrawn ByApprov. By29/04/2016BSSW				
Sheet Size Scale Project No A3 1:1000 D5061-15				
Drawing No Rev A2 0				



APPENDIX B EXPLORATORY HOLE RECORDS

Key to Exploratory Hole Records

Key

SPT Hammer Energy Ratio Report

SPT Hammer References SM22 and SM28

BH1, 1A, 2, to 10

TP4 and 5, HP2 and 3

Window Sampler Hole Logs

Borehole Logs

Trial Pit Logs

WS2 to 7, 7B, 8, 9, 9A, 9B, 10, 10A, 11, 11A, 11B, 12, 12A, 13, 13A, 14, 14A, 14B, 15, 15A, 16, 17, 17A, 17B, 18, 19, 20, 20A, 21, 21A, 22, 23, 24, 24A, 25, 25A, 26, 26A and 27 to 29

Key to Exploratory Hole Records



SAMPLES

Undisturbed U UT TW P L CBR BLK CS AMAL	Driven tube sample Driven thin wall tube sample Pushed thin wall tube sample Liner sample (from Windowless or similar sampler), full recovery unless otherwise stated CBR mould sample Block sample Core sample (from rotary core) taken for laboratory testing Amalgamated sample	erwise stated	
Disturbed D B	Small sample Bulk sample		
Other W G	Water sample Gas sample		
ES EW	Environmental chemistry samples (in more than one container where appropriate) Soil sample Water sample		
Comments	Sample reference numbers are assigned to every sample taken. A sample reference of 'NR made to take a tube sample, however, there was no recovery.	indicates that attempt was	
	Monitoring samples taken after completion of hole construction are not shown on the explore	atory hole logs.	
TESTS			
SPT S or SPT C	Standard Penetration Test, open shoe (S) or solid cone (C)		
	The Standard Penetration Test is defined in BS EN ISO 22476-3:2005+A1:2011. The incre given in the Field Records column; each increment is 75 mm unless stated otherwise and a weight in mm (SW) is noted. Where the full 300 mm test drive is achieved the total number presented as N = ** in the Test column. Where the test drive blows reach 50 the total blow of drive is given (without the N = prefix).	mental blow counts are ny penetration under self of blows for the test drive is count beyond the seating	
IV HV PP KFH, KRH, KPI	<i>in situ</i> Vane shear strength, peak (p) and remoulded (r) Hand vane shear strength, peak (p) and remoulded (r) Pocket penetrometer test, converted to shear strength Permeability tests (KFH = falling head, KRH = rising head; KPI = packer inflow); results prov column (one value per stage for packer tests)	vided in Field Records	
DRILLING RECORI	DS		
The mechanical indi	ices (TCR/SCR/RQD & If) are defined in BS 5930:2015		
TCR SCR RQD If	Total Core Recovery, % Solid Core Recovery, % Rock Quality Designation, % Fracture spacing, mm. Minimum, typical and maximum spacings are presented. The term non-intact (NI) is used where the core is fragmented.		
Flush returns, estima	ated percentage with colour where relevant, are given in the Records column		
CRF AZCL NR	Core recovered (length in m) in the following run Assessed zone of core loss Not recovered		
GROUNDWATER			
\bigtriangledown	Groundwater strike Groundwater level after standing period		
Notes: See report text for full referen	nces of standards Project No. D5061-15 Carried out for London Borough of Camden	Key Sheet 1 of 2	



INSTALLATION

Standpipe/ piezometer	Details of standpipe/piezometer installations are given on the Record. Legend column shows installed instrument depths including slotted pipe section or tip depth, response zone filter material type and layers of backfill.				
SP SPIE PPIE EPIE	The type of instrument installed is indicated by a code in the Legend column at the depth of the response zone: Standpipe Standpipe piezometer Pneumatic piezometer Electronic piezometer				
Inclinometer or Slip Indicator	The installation of vertical profiling instruments is indicated on the Record. The base of tubing is shown in the Legend column.				
ICE ICM SLIP	The type of instrument installed is indicated by a code in the Legend column at the base of the tubing: Biaxial inclinometer Inclinometer tubing for use with probe Slip indicator				
Settlement Points or Pressure Cells	The installation of single point instruments the Legend column.	s is indicated on the Record. The location of the	ne measuring device is shown in		
ESET ETM EPCE PPCE	The type of instrument installed is indicate Electronic settlement cell/gauge Magnetic extensometer settlement point Electronic embedment pressure cell Electronic push in pressure cell	ed by a code in the Legend column:			
INSTALLATION LEGENDS	A legend describing the installation is sho as indicated below.	own in the rightmost column. Legends used to	describe the backfill materials		
	Arisings Concrete Grout	Bentonite Sand	Gravel Macadam		
NOTES 1	Soils and rocks are described in accordance with BS EN ISO 14688-1:2002+A1:2013 and 14689-1:2003 respectively as amplified by BS 5930:2015.				
2	For fine soils, consistency determined during description is reported for those strata where undisturbed samples are available. Where the logger considers that the sample may not be representative of the condition in situ, for whatever reason, the reported consistency is given in brackets. The reliability of the sample is indicated by Probably or Possibly as appropriate. Hence (Probably firm) indicates the logger is reasonably confident of the assessment, but (Possibly firm) means less certainty. Where the samples available are too disturbed to allow a reasonable assessment of the in situ condition, no consistency is given.				
3	Evidence of the occurrence of very coarse particles (cobbles and boulders) is presented on the logs, however, because of their size in relation to the exploratory hole these records may not be fully representative of their size and frequency in the ground mass.				
4	The declination of bedding and joints is gi will be the dip.	iven with respect to the normal to the core axis	s. Thus in a vertical borehole this		
5	The assessment of SCR, RQD and Fract	ure Spacing excludes artificial fractures			
6	Water level observations of discernible entries during the advancing of the exploratory hole are given at the foot of the log and in the Legend column. The term "none observed" is used where no discrete entries are identified although this does not necessarily indicate that the hole has not been advanced below groundwater level. Under certain conditions groundwater cannot be observed, for instance, drilling with water flush or overwater, or boring at a rate much faster than water can make its way into the borehole In addition, where appropriate, water levels in the hole at the time of recovering individual samples or carrying out in situ tests and at shift changes are given in the Records column.				
7 The borehole logs present the results of Standard Penetration Tests recorded in the field without correction or interpretation. However, in certain ground conditions (eg high hydraulic head or where very coarse particles are present) some judgement may be necessary in considering whether the results are representative of in situ mass conditions.					
Notes: See report text for full referen	s of standards Project Central Some	ers Town			
	Project No. D5061-15 Carried out for London Bord	bugh of Camden	Key Sheet 2 of 2		

Hammer Energy Report



Date of test:	23/07/2015	Hammer ID:	SM22
		Hammer mass (<i>m</i>)	63.5 kg
Instrumented rod:		Fall height (h)	0.76 m
Туре	BW	Test type:	SPT
Cross-sectional area (A a)	11.30 cm ²	Manufacturer:	Archway
Young's modulus (<i>E</i> a)	207000 MPa	Model:	Automatic Trip Hammer
Length	0.60 m		
		Rig:	Geotech 10
Test rod type:	NWY	Rig ID:	T61
		Туре:	Rotary
		Foreman:	J Swan

Remarks:

Data obtained from test carried out in BH1, located in ESG Doncaster yard. Test carried out at depth of 5.36 mbgl, with a total blow count of 19. Energy determined from every blow.



Hammer Energy Report



Date of test:	23/07/2015	Hammer ID:	SM28
		Hammer mass (<i>m</i>)	63.5 kg
Instrumented rod:		Fall height (h)	0.76 m
Туре	BW	Test type:	SPT
Cross-sectional area (A a)	11.30 cm ²	Manufacturer:	Archway
Young's modulus (<i>E</i> a)	207000 MPa	Model:	Automatic Trip Hammer
Length	0.60 m		
		Rig:	Geotech 10
Test rod type:	NWY	Rig ID:	R61
		Туре:	Rotary
		Foreman:	J Swan

Remarks:

Data obtained from test carried out in BH1, located in ESG Doncaster yard. Test carried out at depth of 5.42mbgl, with a total blow count of 16. Energy determined from every blow.



Equipe Group



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Drilled Logge	I PH/SS id CM	Start E 03/12/2015 I	Equipment, Methods and Re Dando 100 Hand excavated inspection pit	marks)m. Cable	percussive boring from 1.20m	ameter Casing Depth (mm) (m) 150 4.00	Ground Level Coordinates (m)		21.25 mOD E 529625.39
Checks Appro	ed MM ved SW	End to 04/12/2015	o 24.20m.					National Grid		N 183142.60
Sam	ples and	Tests		Date	Time	Strata Description		Depth Loval	Legond	Pookfill
	Depth	Type & No	Records	Casing	Water	Main	Detail	Depth, Level (Thickness)	Lêgenu	Васкіш
	0.20 0.20 - 0.40 0.50 0.50 - 0.70 1.00 1.00 - 1.20 1.20 - 1.65 1.20 - 1.70	D2 ES1 B3 D5 ES4 B6 D8 ES7 B9 SPTS D10 B11	N=2 (1/1,,1.)	0.00	dry	(TOPSOIL) Dark brown organic silty SAND with rootlets. (MADE GROUND) Type 1 stone. (DRILLER DESCRIPTION) (MADE GROUND) Brown and grey sandy gravelly CLAY, locally with low cobble content. Gravel is angular of brick, concrete and occasional pottery. Sand is fine to coarse. Cobbles are angular of brick and concrete.	0.40-1.20 Low - cobble content. Occasional wood - and metal - fragments - - - - - - - - - - - - - - - - - -	(0.25) €.35 (0.05) ‡23.99 (2.90)		
	2.20 - 2.65 2.20 2.20 - 2.70	SPTS D 12 B 13	N=2 (1/,1,,1)	2.00	dry					
	3.20 - 3.65 3.20 3.20 - 3.70	SPTS D 14 B 15	N=7 (1/1,1,2,3)	3.00	dry	Soft greyish brown slightly sandy slightly gravelly CLAY with black organic lenses (up to 30mm across). Sand is fine to coarse. (Possibly ALLUVIUM)		3.20 +18.05 (0.60) 3.80 +17.45		
	4.20 - 4.65	UT 16	30 blows 100% rec	4.00	dry	silt. (LONDON CLAY FORMATION)				
	4.70 5 20 - 5.65	D 17 SPTS	N=14 (1 2/2.3.4.5)	4 00	dry					, <u>_</u>
	5.20 6.20 6.50 - 6.95	D 18 D 19 UT 20	40 blows 100% rec	4.00	dry		selenite crystals	(4.00)		
	7.00	D 21						- 00 ±13.45		
	8.00 - 8.45 8.00	SPTS D 23	N=15 (2,2/3,3,4,5)	4.00	dry	Stiff to very stiff fissured dark grey CLAY with occasional partings of grey silt. Fissures are randomly orientated, closed and clean. (LONDON CLAY FORMATION)		(1.20)		
	9.00 9.50 - 9.95	D 24 UT 25	45 blows 100% rec	4.00	dry	Very stiff dark grey silty CLAY with occasional partings of dark grey silt and burrows infilled (up to 3mm diameter) with grey silt. (LONDON CLAY FORMATION)		9.00 +12.25		
F						Hole continues on next sheet			<u>``</u> ¥	
Ground No. 1 2	dwater Entries Depth Strike (r 3.40 5.20	m) Remarks Remained at Remained at	3.40 m after 20 minutes. 5.20 m after 20 minutes.	Depth Seale	ed (m) 3.50	Depth Related Remarks Depths (m) Remarks 0.00 - 24.20 SPT hammer ID SM28 (Er 66%) rod type NV	NY	Hard Boring Depths (m)	Duration (min	⊮s) Tools used
Notes: see Ke reduce bracke Scale	For explanation by to Exploratory d levels in metre tts in depth colur e 1:50	of symbols and a Hole Records. Al es. Stratum thickr nn. (c) ESG	abbreviations Il depths and ness given in www.esg.co.uk	xt ct No. ed out for	Cen D50 Lor	rral Somers Town, London 61-15 don Borough of Camden		Borehole	BH1 Sheet 1 of 3	



Drilled PH/SS	Start	Equipment, Methods and Re	emarks		Depth from to Dia	ameter Casing Depth	Ground Level	2	1.25 mOD
Logged CM	03/12/2015	Dando 100	C: 4-4.0	C-bl-	(m) (m) (0.00 24.20	(mm) (m) 150 4.00	Coordinates (m)	Еť	529625.39
Checked MM	End	Hand excavated inspection pit to 24.20m.	t from GL to 1.20	Jm. Cable	percussive boring from 1.20m		National Grid	N 1	183142.60
Approved SW	04/12/2015	1							
Samples an	d Tests	J		·,	Strata Description		1		
Depth	Type & Nr	e Records	Date	Time	Main	Detail	Depth, Level	Legend	Backfill
10.00	0.26		Casing	Water			(Thickness)		, T
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-				I	l	-	1	××	1441
_				I	l	-	1	×_×_×	H t
				1	l l		_		日日
11_0011_45	SPTS	N-26 (3 5/5 6 7 8)	4.00	dry	l		-		1.HT
11.00 - 11.45	D 27	N=20 (3,3/3,0,7,0)	4.00	ury	l	-	-	<u> </u>	
F			03/12/15	1800	l	-	1	××	1749 F
F			4.00	dry	l	_	-	<u></u>	1 HI L
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12.00	D 28			1	l l		1	XX	
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12.50 - 12.95	UT 29	50 blows 100% rec	4.00	drv	l		_	<u></u>	144) F
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_ 14.00 - 14.45	SPTS	N-28 (3 4/6 7 7 8)	4.00	drv	l l		-	XX	日日
- 14.00	D 31	N=20 (3,4/0,7,7,0)	4.00	ury	l		-	<u></u>	1,HT
F				I	l	-	-		出
F				1	l l		1		1749 -
-				1	l l	-	-	XX	口口
E				1	l l		-	××	비비
15.00	D 32			1	l l		<u> </u>	<u></u>	ΙĦ٩k
E				I	l	-	-		HIL
15 50 - 15 95	117.33	EE blows 100% rec	1.00	dov	l l		-	××	H
- 15.50 - 15.85	0100	55 DIOWS TOU 70 TEC	4.00	ury	l l	-	-	××	
-				1	l l	-	-	×_×_×	VI
- 16.00	D 34			1	l l	_	4		ſΛŀ
_				1	l l	-	1		X
E				1	l l	-	-	××	1/ Ir
<u> </u>				1	l l	_	<u> </u>	XX	/
				ļ	l l		<u> </u>	×_××	ĽЛL
- 17.00 - 17.45	SPTS	N-24 (3 3/5 5 6 8)	4.00	damn			47.00 +4.25		V JI
- 17.00	D 35	N=24 (0,0/0,0,0,0)	4.00	uamp	Very stiff fissured dark grey CLAY. Fissures are	1 -		F	/
F				1	(LONDON CLAY FORMATION)	-	-	[]	ľΛl
F				1	l l		-	L1	X
F				1	l l	-	1	F	VII
F				1	l l	-	-	F = 1	A
— 18.00 -	D 36			1	l	-	-		YЛL
F				I	l	-	-	F	$V_{\rm II}$
18.50 - 18.95	UT 37	55 blows 100% rec	4.00	damp	l		(3.00)	L1	/
E	-			1	l l			F	ľΛŀ
F				1	l l		-		\mathbb{Z}
19.00	D 38			1	l l	_	-	┝──┤	
-				1	l l		-	[]	$[\Lambda]$
-				1	l	-	1	L1	X
F				ļ	l l	-	-	F	1/ Jr
E .				1	l l	-	4		/
E				!			20:00 +1.25		\square
				I	Hole continues on next sneet				
Groundwater Entries					Depth Related Remarks		Hard Boring		
No. Depth Strike 3 16.00	(m) Remarks Remained a	at 16.00 m after 20 minutes.	Depth Sea	led (m)	Depths (m) Remarks		Depths (m)	Duration (mins) To	ools used
				ļ	I				
				l	l				
Notes: For explanation	on of symbols and	J abbreviations Proje	ect	Cen	tral Somers Town, London		Borehole		
reduced levels in me	tres. Stratum thick	All depths and kness given in	- of Ma	D50	04 AE			RH1	
Drackets in deput con	umn. (c) ES(G www.esg.co.uk	ind out for	Lor	JI-10				
Jule Linu		• • • • •	ou out ioi		2011 Dereugit et eutituett			SHEELZUIS	



Logged CM Officeded MM Qui122015 End 04/122015 Dando 100 bit 24 20n. Dando 100 bit 24 20n. Dando 100 bit 24 20n. Dando 100 bit 24 20n. Coordinates (m) bit 20 20n. <th>E 529625.39 N 183142.60</th>	E 529625.39 N 183142.60
Checked MM Approved SW End Out 22015 Intel accavation ptrom Cs. to 1.2um. Label percessive comg from 1.2um of 20.00 National Grid Matchecked Main National Grid 20:00 Type A to 20:00 Records Date Casing Two Main Main Detail Pogeth, Level (nctooksy) Import (nctooksy) Import Import (nctooksy) Import Import Import Import Import Import	
Approved SM Out122015 Strate Jescription Depth Type & No Records Date Casing Time Very Main Detail Depth, Level I 2000-20.0 SPT3 D39 No11(3.57.7.8.3) 4.00 date Casing Very still fails (grey silly CLAY with partings of dark grey sill. (LONDON CLAY FORMATION) (1.20) X 21.00 D40 Very still fissured light grey motiled brown ally CLAY Fissures are randomly orientated, closed and clean. (LAMBETH GROUP) (1.20) X 21.00 D43 Very still fissured light grey motiled brown ally CLAY Fissures are randomly orientated, closed and clean. (LAMBETH GROUP) (1.30) X 22.20 D44 Very still fissured light brown motiled bluish grey CLAY. (LAMBETH GROUP) (1.30) X 22.50 D44 Very still finddiah brown motiled bluish grey CLAY. (LAMBETH GROUP) (1.30) X 22.50 D44 Very still finddiah brown motiled bluish grey CLAY. 22.90 -1.85 22.50 D46 Very still finddiah brown motiled bluish grey CLAY. 22.90 -1.85 22.400 D46 Very still finddiah brown motiled bluish gre	Legend Backfill X X X X X <
Samples and Tests Strata Description Depth Type & No Records Date Casing Time Water Main Detail Depth, Level L 20:00:20:45 SPTS 20:00:20:45 SPTS D 30 N31(3.57/7.8.9) 4:00 damp Very still dark grey silly CLAY with partings of dark grey sill. (LONDON CLAY FORMATION) (1.20) X 21:00 D 40 -	
Depth Type & No Records Date Casing Time Water Main Detail Doph. Level mickows) Time mickows) 20:00-20:46 SPTS 20:00 N=31 (3,57,7,3.9) 4.00 damp Very stiff Gaured light grey withy CLAY with partings of dark grey still. (LONDON CLAY FORMATION)	Legend Backfill Image: All state of the state
Upper Opper No Records Casing Water main Deck (hickness) 2000-20.05 SP38 N=31 (3.57/7.8.9) 4.00 damp Very stiff dark grey still CLAY with partings of dark (LAV with partings of dark (LAV with partings of dark (LAV FORMATION) (1.20) X 21.00 D 40 (1.20) X (1.20) X 21.00 D 41 (1.20) X (1.20) X 21.00 D 41 (1.20) X (1.20) X 21.00 D 41 (1.20) X (1.20) X 21.80 D 43 (1.20) (1.20) X (1.20) X 22.50 D 44 (1.20) (1.30) (1.30) (1.30) X 22.50 D 44 (1.40) (1.20) (1.20) X X 22.400 D 45 N=48 (4.60), 11.12.16) 4.00 damp (1.40) (1.70) (1.70) 22.400 D 46 04/12/15 1800 (1.70)	
2000 39 39 100 000<	
L 21.00 D 40 21.20 D 41 21.50 - 21.75 UT 42 90 blows 100% rec 4.00 damp 21.80 D 43 22.50 D 44 22.50 D 44 24.50 D 44 24.50 D 44 24.50 D 44 24.	
21.00 D.40 (1.20) 7. 21.20 D.41 (1.20) 7. 21.50 21.75 UT 42 90 blows 100% rec 4.00 damp 21.80 D.43 (1.30) 7. 22.50 D.44 (1.30) 7. 22.50 D.44 (1.30) 7. 22.300 23.45 SPTS N=48 (4.6/9, 11, 12, 16) 4.00 damp 24.00 D.46 04/12/15 1900 4.00 damp END OF EXPLORATORY HOLE 24.00 2.40 2.56 125	
21.00 D 40 21.20 D 41 21.50 21.75 UT 42 90 blows 100% rec 4.00 damp Very stiff fissured light grey motiled brown silly CLAMEETH GROUP) 21.50 22.50 D 43 22.50 D 44 22.50 D 44 23.00 23.45 SPTS N=48 (4,6/9,11,12,16) 4.00 damp 4.00 damp Very stiff reddish brown motiled bluish grey CLAY. (LAMEETH GROUP) 22.50 1 22.50 D 44 4.00 22.50 D 44 22.50 D 45 1 4.00 22.50 D 46 0.4/12/15 1800 4.00 damp END OF EXPLORATORY HOLE 24.20 24.00 D 46	
21.00 D 40 21.20 D 41 21.20 D 41 21.50 - 21.75 UT 42 90 blows 100% rec 4.00 damp 21.80 D 43	
21.00 D 41 21.20 D 41 21.20 4.00 damp 21.20 4.00 damp 21.20 4.00 construction 21.20 4.00 construction 21.20 4.00 construction construction 21.20 4.00 construction	
21.50 - 21.75 UT 42 90 blows 100% rec 4.00 damp CLAX, Fissures are randomly orientated, closed and clean. (LAMBETH GROUP) 7.100 7.100 7.100 21.80 D 43 - <	
- 21.50 - 21.75 UT 42 90 blows 100% rec 4.00 damp and clean. (LAMBETH GROUP) 1.130 72. 21.80 D 43 - - - (LAMBETH GROUP) - 1.130 72. 22.50 D 44 -	
21.80 D 43 (1.30) X 22.50 D 44 Very stiff reddish brown mottled bluish grey CLAY. 22.50 -1.25 X 23.00 -23.45 SPTS N=48 (4,6/9,11,12,16) 4.00 damp - - 24.00 D 46 04/12/15 1800 - - - - 24.00 D 46 04/12/15 1800 - - - - - 24.00 D 46 04/12/15 1800 - <td></td>	
21.80 D.43 - <	
22.50 D 44 23.00 - 23.45 23.00 D 45 - 24.00 D 46 - 24.	
22.50 D 44 23.00 - 23.45 SPTS D 45 24.00 D 46 24.00 D 46 04/12/15 1800 4.00 damp END OF EXPLORATORY HOLE END OF EXPLORATORY HOLE END OF EXPLORATORY HOLE	
22.50 D 44 Very stiff reddish brown mottled bluish grey CLAY. 22.50 .125 Z 23.00 - 23.45 SPTS D 45 4.00 damp - <td></td>	
23.00 - 23.45 SPTS D 45 N=48 (4,6/9,11,12,16) 4.00 damp (1.70)	
23.00 - 23.45 23.00 24.00 D 46 24.00 D 46 D 46	
23.00 - 23.45 SPTS D 45 D 4	
24.00 D 46 04/12/15 1800 4.00 damp END OF EXPLORATORY HOLE 24.20 -2.95	
24.00 D 46 04/12/15 1800 4.00 damp = 24.20 -2.95 = 24.20 -2.95	
24.00 D 46 04/12/15 1800 4.00 damp END OF EXPLORATORY HOLE 4.00 L L L L L L L L L L L L L L L L L L	
24.00 D 46 04/12/15 1800 4.00 damp END OF EXPLORATORY HOLE 4.00 L L L L L L L L L L L L L L L L L L	
24.00 D 46 04/12/15 1800	
END OF EXPLORATORY HOLE	
Crewedwaley Estring	
No. Depth Strike (m) Remarks Depth Sealed (m) Depths (m) Remarks Depths (m) Remarks Depths (m) Dur	uration (mins) Tools used
Notes: For explanation of symbols and abbreviations Project Central Somers Town, London Borehole	
reduced levels in metres. Stratum thickness given in	
Scale 1:50 (c) ESG www.esg.co.uk	 BH1



Drilled	Start Ed	quipment, Methods and Rema	arks		Depth from to	Diameter Casing Depth	Ground Level		21.25 mOD
Logged TO	01/12/2015 Ha	and tools			(m) (m)	(mm) (m)	Coordinates (m)		E 529625.39
Checked MM	End Pi	and dug pit from GL to 0.40m. t terminated due to concrete ob	struction.				National Grid		N 183142.60
Approved SW	01/12/2015								
Samples and	Tests			Strata Description	۱				
Danth	Turne 8 Ma	Basarda	Date Time		•	Datail	Depth, Level	Legend	Backfill
Depth	Туре & NO	Records	Casing Water		ain	Detail	(Thickness)	V//2V//A	
-			01/12/15 0800	Grass over brown clayey	fine to coarse sand with		(0.20) 0.20 +21.05		
-			0.00 0.	(MADE GROUND)		_/=	(0.20) 0.40 +20.85		
-			0.00 0.00	Brown gravelly fine to coa	arse SAND with a low		4		
-				fine to coarse of brick and	angular to subangular, d concrete. Cobbles are		-		
-				angular of brick. Rare wo	OD Fragments.		-		
-				END OF EXFEC	ATOKT HOLL	-	-		
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Groundwater Entries				Depth Related Remarks			Hard Boring		
No. Depth Strike (m) Remarks		Depth Sealed (m)	Depths (m) Remarks			Depths (m)	Duration (mins) Tools used
Notes: For explanation	of symbols and at	obreviations Project	Cen	tral Somers Town, London			Borehole		
reduced levels in metro	es. Stratum thickne	ess given in	No. D50	61-15				BH1A	
Scale 1:50	(c) ESG w	ww.esg.co.uk	out for Lon	don Borough of Camden				Sheet 1 of 1	



Drilled PH/SS	Start	Equipment, Methods and Rem	narks		Depth from to Di	iameter Casing Depth	Ground Level	20.81 mC	D
Logged CM	26/11/2015	Dando 100 Hand excavated inspection pit f	rom GL to 1.20	۳ Cable	(m) (m) 0.00 20.45	(mm) (m) 150 1.50	Coordinates (m)	E 529657.	i9
Checked MM	End	to 20.45m.	011 02 10 1.20	III. Cable	percussive boiling from 1.20m		National Grid	N 183161.	6
Approved SW	27/11/2015								
Samples and	Tests				Strata Description				
Depth	Type & No	Records	Date	Time Water	Main	Detail	Depth, Level	Legend Backf	.11
			Casing	Water	(TOPSOIL)		0 10 (0.10) +20 7		_
- 0.20	D 2				Dark brown organic silty SAND.	1 :	(0.40)		/
0.20 - 0.40	B3	4 samples taken		ľ	Brown and grey gravelly silty SAND with low		0.50 +20.3		/
0.50	ES 4			ľ	cobble content. Gravel is angular, fine to medium of brick and concrete. Cobbles are angular of	/ :	0.00 .20.0		/
	BO	4 samples taken		ľ	brick and concrete.	/ _	(0.70)		
1.00	D 8			ľ	Soft grey mottled brown slightly gravelly CLAY.	_	-		/
- 1.00 - 1.20	B 9 SDTS	4 samples taken	0.00	1.10	Gravel is angular, fine to medium of brick and flint.		1.20 +19.61		/
- 1.20	D 10	4 complex taken	26/11/15	1800	staining and orange silt partings.	-	-		/
_ 1.50	ESTI	4 samples taken	1.50	dry	(ALLOVIOM)		(0.80)		· ,
-			27/11/15 1.50	0800 dry		-	_		/
-				1	Firm brown silty CLAY with numerous partings of		2.00 +18.81		/
– 2.20 - 2.65 –	UT 12	40 blows 100% rec	1.50	dry	orange silt. (LONDON CLAY FORMATION)		-		/
-				ľ	(_		'
- 2.70	D 13			ľ		-	-		/
-				ľ		-	-		/
-				ľ			-		/
- 3.20 - 3.65 - 3.20	SPTS D 14	N=12 (1,2/2,3,3,4)	1.50	dry		-	-		' /
-				ľ			-		/
-				ľ		:	-		/
-				ľ			-		/
-						-	-		
- 4.20 - 4.65 -	UT 15	40 blows 100% rec	1.50	dry		-	-		΄.
-				ľ		-	-		/
- 4.70	D 16			ľ			-		/
-				ľ		-	(5.70)		`
-						-	-		/
- 5.20 - 5.65 - 5.20	SPTS D 17	N=18 (2,3/3,4,5,6)	1.50	dry			-		/
-				ľ			-		/
-				ľ		-	-		1
-				ľ			-		
- 6.00	D 18			ľ		6.00-7.00 Occasional selenite			/
-				ľ		 crystals and - fissuring 	-		/
- - 6.50 - 6.95	UT 19	45 blows 100% rec	1.50	dry			-		/
-				ľ		-			
- 7 00	D 20			ľ		-			/
- 7.00	D 20			ľ		-			/
				ľ		-			/
				ľ			-		΄,
- 7.70	D 21			ľ	Stiff dark grey CLAY with occasional partings of		7.70 +13.11		/
- 8 00 - 8 45	SPTS	N=19 (3 5/4 4 5 6)	1 50	dry	grey silt and burrows.				/
- 8.00	D 22	10 (3,3/4,4,3,0)	1.50	ury	(LONDON CLAT FORMATION)	-	_	E [/	/
_				ľ		-	-		
				ľ					/
_				ľ		-		F-I-1 //	/
- 9.00	D 23			ľ		_	_	E-I-I (/	/
	023			ľ		-	_	F K /	
_				ľ				$F_{}$	/
9.50 - 9.95	UT 24	45 blows 100% rec	1.50	dry					/
_				ľ					1
-							(4.30)	F==-1 (/	
					Hole continues on next sheet	10.00 No barrows.			
Groundwater Entries					Depth Related Remarks		Hard Boring		_
No. Depth Strike (r 1 1.10	m) Remarks Remained at	1.10 m after 20 minutes.	Depth Seal	ied (m) 1.20	Depths (m) Remarks 1.20 - 20.45 SPT hammer ID SM28 (Er 66%) rod type NV	WY	Depths (m)	Duration (mins) Tools us	d
Notes: For explanation see Key to Exploratory	of symbols and Hole Records. A	All depths and Project	i	Cen	tral Somers Town, London		Borehole		
reduced levels in metre brackets in depth colum	 Stratum thickr nn. 	ness given in Project	t No.	D50	61-15			BH2	
Scale 1:50	(c) ESG	www.esg.co.uk	l out for	Lon	don Borough of Camden			Sheet 1 of 3	



Drilled PH/S	S Start	E,	quipment, Methods and Rem	arks	-	Depth from to Di	ameter Casing Depth	Ground Level		20.81 mOD
Logged CM	26/11/2015	5 D:	ando 100	01 to 1 f	Cobla	(m) (m) 0.00 20.45	(mm) (m) 150 1.50	Coordinates (m)		E 529657.69
Checked MM	End	to	and excavated inspection promo- 20.45m.	JM GL to 1.∠t	Um. Caule	Dercussive boring from 1.20m		National Grid		N 183161.76
Approved SW	27/11/2015	5								
Samples a	and Tests					Strata Description		1		
Denth	Type (^{₽. No}	Records	Date	Time	Main	Dotail	Depth, Level	Legend	Backfill
10.00	- JAG -	* NO	Records	Casing	Water	Walli	Detail	(Thickness)		
_ 10.00	U Zi	5			1				[]	
L					ļ			<u> </u>	t- <u>-</u> -1	
_					ļ			<u> </u>	F	× / .
F					ļ			-		
F	007			0	den i		-	1	<u>⊢−</u>	
	45 SP13 D 2/	S 26	N=26 (3,5/5,6,7,8)	1.50	dry		-	4	L]	/
E .					ļ		-	1	<u> </u>	
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_					ļ			<u>.</u>	<u>⊢−−−</u> _	
F					ļ			-	[]	
- 12.00	D 2	27			ļ	Stiff dark arey silty CLAY with numerous partings		12.00 +8.81	~X	- / /
-					ļ	of grey silt.	-	1	<u></u>	
-					1	(LONDON CLAY FORMATION)	-	-		
— 12.50 - 12.9 —	95 UT 2	28	45 blows 100% rec	1.50	dry			-	××	//
L					ļ			<u> </u>	××	
- 13.00	D 2	10			1			-	×	
- 13.00	U 43	9			ļ		-	-		
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F.					ļ		-	-		
14.00 - 14.4	45 SPT	TS .	N=29 (3,5/6,7,8,8)	1.50	dry		_	- (4.00)	××	- Y /
- 14.00 -	Dou	0			ļ		-	4	××	
F					ļ			1	×	1//
F					ļ		-	1		× / .
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15.00	0.3				1			-	××	
- 10.00		1			ļ			4	×	Y
Ę					ļ		-	1	<u></u>	
15.50 - 15.5	95 UT 3	32	45 blows 100% rec	1.50	damp			1		, ₹[/ /
E					, i		_	-	××	YZ,
F					1			-	×	
- 16.00	D 33	3			ļ	Stiff fissured dark arev CLAY with occasional		- 16.00 +4.81	F_ <u>×</u> _	
F					ļ	partings of dark grey silt. Fissures are closely		1		Y/
F					ļ	spaced, randomly orientated, closed and clean.	-	1		//
F					ļ		-	1	E-I-]	1//
F					ļ			1	⊢ <u> </u>	
L 17.00 - 17.4	SPT	- د	N=20 (3 5/7 6.8.8)	1 50	damp			-		
- 17.00	15 D 34	5 14	N=29 (3,011,0,0,0,0)	1.00	uum			-		
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F					ļ			4	F	11
E					1		-	1	F = -	
E					ļ		_	<u>_</u>		
18.00	D 35	;5			ļ		_	-	[- <u> </u>]	
F					ļ			(4.45)	L]	
F							-		F	
— 18.50 - 18.9 —	95 UT 3	36	45 blows 100% rec	1.50	damp		-	-	E = 1	
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- 19.00	0.3	י די			1			-	L1	
- 19.00	0.07	/			ļ			-	F	
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E					1			_	L]	
F					1		-	-		
F						Hole continues on next sheet				
					!					
Groundwater Entr	ries			Depth Se	aled (m)	Depth Related Remarks		Hard Boring	Time (min	T- ale upod
2 15.5	50 Rose to '	15.40 /	m after 20 minutes.	Doptil	nca (,	Depths (m) Remarks		Depths (ni)	Duration (mm	\$) 10015 Useu
					l					
		_			!					
Notes: For explan	nation of symbols a	and at	obreviations Project		Cen	ral Somers Town, London		Borehole		
reduced levels in	metres. Stratum t	ds. An thickne	ss given in	N	DEC				RH2	
brackets in deptri	column.	SESG V	AGS	NO.	000	/1-15				
Scale 1.50	1-1	, Luc	Juw.cag.co.uk	out for	LOIP	ion Borough of Camden			Sheet 2 of 3	



Drilled PH/SS	Start	Equipment, Methods and Rema	urks	Depth from	to Diameter Casing Depth	Ground Level	20.81 mOD
Logged CM	26/11/2015	Dando 100 Hand excavated inspection pit fro	m GL to 1 20m Cable	(m) 0.00 2 0.00 2	(m) (mm) (m) 20.45 150 1.50	Coordinates (m)	E 529657.69
Checked MM	End	to 20.45m.	III GE to 1.2011. Cable	percussive boning norm 1.20m		National Grid	N 183161.76
Approved SW	27/11/2015						
Samples and	l Tests			Strata Description			
Depth	Type & No	Records	Date Time	Main	Detail	Depth, Level	Legend Backfill
20.00 - 20.45	SPTS	N=33 (3,5/6,7,9,11)	1.50 damp			(Thickness)	
20.00	D 38		27/11/15 1800		-	-	
E			1.50 damp			20.45 +0.36	/ /
_				END OF EXPLORATORY HOLE	-		
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Groundwater Entries No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks		Hard Boring Depths (m) I	Duration (mins) Tools used
Notes: For ovelane	of symbols		^	ral Somere Town Landon		Borobolo	
see Key to Exploratory	Hole Records. A	aboreviations Project	Cen	uai somers rown, LONGON		Dorenole	
brackets in depth colu	mn.	Project	No. D50	61-15		1	BH2
Scale 1:50	(c) ESG 03/0	www.esg.co.uk Carried	out for Lon	don Borough of Camden		1 :	Sheet 3 of 3



Drilled PH/SS Logged CM	Start Eq 30/11/2015 Da Ha Ha	uipment, Methods and Rem indo 100 ind excavated inspection pit fr	om GL to 1.20	m. Cable	Depth from to Di (m) (m) (m) 0.00 23.90	Ground Level Coordinates (m)		20.73 mOD E 529674.30	
Checked MM	End to 2	23.90m.	0111 02 10 1120	ini oubio			National Grid		N 183157.25
Approved SW	01/12/2015				Otrata Deseriation				
Samples and	lests		Date	Time	Strata Description		Dopth Loval	Logond	Backfill
Depth	Type & No	Records	Casing	Water	Main	Detail	(Thickness)	Legenu	Backilli
- 0.20 - 0.20 - 0.40 - 0.50 - 0.50 - 0.70 - 1.00 - 1.00 - 1.20 - 1.20 - 1.65 - 1.20	D2 ES 1 B 3 D5 ES 4 B 6 D 8 ES 7 B 9 SPTS D 10	N=7 (1,1/1,2,2,2)	0.00	dry	(IOPSOIL) Dark brown organic silty SAND with rootlets. (MADE GROUND) Greyish brown gravelly SAND with low cobble content. Gravel and cobbles are angular of brick and concrete. (MADE GROUND) Dark grey and brown gravelly CLAY. Gravel is angular of brick, occasional oyster shells and black ash. Firm grey slightly organic slightly sandy clayey SILT with occasional black staining (Possibly		0.25 (0.60) 0.85 +19.88 (0.35) 1.20 +19.53		
- 1.70 	ES 11 UT 12	30 blows 100% rec	1.60	dry	ALLUVIUM) Firm to stiff brown mottled grey CLAY with		(1.00) 2.20 +18.53	NI6 00 X 00 X 00 X 00 X 00 X 00 X 00 X 00	
- - - 2.70 -	D 13				orangish brown silt partings. (LONDON CLAY FORMATION)				
- 3.20 - 3.65 - 3.20 	SPTS D 14	N=14 (2.2/3,3,3,5)	2.30	dry					
- 4.20 - 4.65 4.70 	UT 15 D 16	40 blows 100% rec	2.30	dry		4.70-5.20 Occasional selenite crystals.	(5.50)		
- 5.20 - 5.65 - 5.20 	SPTS D 17 D 18	N=15 (2,3/3,3,4,5)	2.30	dry					
6.50 - 6.95 	UT 19	40 blows 100% rec	2.30 30/11/15	dry 1800					
- 7.00 	D 20		2.30 01/12/15 2.30	dry 0800 6.90		7.00 Fissured.— Fissures are – randomly orientated, – closed and clean. –			
- 7.70 - 8.00 - 8.45 - 8.00 - 8.00	D 21 SPTS D 22	N=18 (2,2/3,4,5,6)	2.30	damp	Stiff fissured dark grey CLAY. Fissures are randomly orientated, closed and clean. (LONDON CLAY FORMATION)		7.70 +13.03 (1.30)		
	D 23				Stiff dark grey silty CLAY with partings of dark grey silt.		9.00 +11.73	×X	
- 9.50 - 9.95 	UT 24	45 blows 100% rec	2.30	dry					
					Hole continues on next sheet				
Groundwater Entries No. Depth Strike (r	n) Remarks	1	Depth Seal	ed (m)	Depth Related Remarks Depths (m) Remarks 0.00 - 23.90 SPT hammer ID SM28 (Er 66%) rod type NV	٧Y	Hard Boring Depths (m)	Duration (mins	s) Tools used
Notes: For explanation see Key to Exploratory reduced levels in metre brackets in depth colur Scale 1:50	of symbols and abl Hole Records. All c es. Stratum thicknes nn. (c) ESG w 03/05/2	breviations depths and ss given in www.esg.co.uk AGS Carried	No.	Cen D50 Lon	tral Somers Town, London 61-15 don Borough of Camden		Borehole	BH3 Sheet 1 of 3	



Drilled PH/	/SS Start	1	Equipment, Methods and Rem	arks		Depth from to Diameter Casin	g Depth	Ground Level		20.73 mOD
Logged CM	30/11/2	2015	Dando 100 Hand excavated inspection pit fr	om GL to 1.20	m Cable	(m) (m) (mm) 0.00 23.90 150 2	m) .30	Coordinates (m)		E 529674.30
Checked MM	End	t	to 23.90m.					National Grid		N 183157.25
Approved SW	01/12/2	2015								
Samples	and Test	ts				Strata Description				
Depth	n Tyj	pe & No	Records	Date Casing	Time Water	Main Detail		Depth, Level (Thickness)	Legend	Backfill
_ 10.00		D 25				10.00 Occa	sional		×_^	
-						Ø) infilled wit	h grey _	-		
-							siit	(3.00)	\times	
-							-		××	
-								-	××	
- 11.00 - 11 - 11.00	.45 \$	SPTS D 26	N=25 (2,4/6,6,6,7)	2.30	dry	11.00 Fis Fissur	sured.— es are –	-	××	
-						randomly orien closed and	ntated, - clean	-	××	
_							_		×	
-							-		<u> </u>	
- 12.00		D 07				10.00 5	- -	10.00 .0.72		
- 12.00		D 27				Very stiff dark grey silty CLAY with occasional	es are	12.00 +8.73		
E						(LONDON CLAY FORMATION)	clean.		××	
— 12.50 - 12 —	2.95 l	UT 28	45 blows 100% rec	2.30	dry		_		××	
							-		××	
- 13.00		D 29					_		××	
-							-	-	×_×_	
-							_	-	<u></u>	
-							_	-		
-							-			
- 	1.45 \$	SPTS	N=27 (2,4/6,6,7,8)	2.30	dry			-	××	
- 14.00 -		D 30					_	-	××	
-							-		××	
-							-		×	
_							-			
15.00		D 31					_			
_							_		X	
- 15 50 - 15	595 1	UT 32	45 blows 100% rec	2 30	dry		_		××	
-		0.02		2.00	ury		-		××	
E							-		××	
16.00 		D 33					_		××	
-							_		×	
_							_	(8.80)	×_×_	
-							-	-		
F							-		<u> </u>	
- 17.00 - 17 - 17.00	7.45	D 34	N=33 (3,6/7,7,9,10)	2.30	dry		-		××	
-							-		××	
-							_		××	
E							_		××	
- 18.00		D 35				18.00.0cc	- sional		×	
-						burrows (up t Ø) infilled wi	3mm -			
-							silt			
— 18.50 - 18 —	3.85 l	UT 36	55 blows 100% rec	2.30	dry		_			
-							_		××	
– 18.90 —		D 37					_	-	××	
-							-	-	××	
F							-		××	
-							-		×	
F							-			
						Hole continues on next sheet				
Groundwater	otries					Double Delated Demode				
No. Depth S	strike (m) Rem	arks		Depth Seale	ed (m)	Deptn Related Remarks Depths (m) Remarks		Hard Boring Depths (m)	Duration (mir	ns) Tools used
Notes: For expla	anation of symb	ols and a	abbreviations Project		Cen	tral Somers Town, London		Borehole		
reduced levels in brackets in dent	n metres. Stratu th column.	um thickr	ness given in Project	No.	D50	61-15			BH3	
Scale 1:50		(c) ESG	www.esg.co.uk	out for	Lon	don Borough of Camden			Sheet 2 of 3	



Drilled PH/SS	Start	Equipment, Methods and Rem	arks		Depth from to Diameter Casing Depth			Ground Level 20.73 mOD		
Logged CM	30/11/2015	Dando 100	am CL to 1.20m. Co	le nerouecius baring from 1.20m	(m) (m) (i 0.00 23.90	mm) (m) 150 2.30	Coordinates (m)	E 529674.30		
Checked MM	End t	o 23.90m.	om GL to 1.20m. Ca	ble percussive boring from 1.20m			National Grid	N 183157.25		
Approved SW	01/12/2015									
Samples and	Tests			Strata Description						
	Type & No	Records	Date Ti	ne Mai	n	Detail	Depth, Level	Legend Backfill		
20.00 - 20.45	SPTS	N=39 (3.6/8.9.10.12)	Casing Wa	er rv	-		(Thickness)	<u> </u>		
Logged CM Checked MM Approved SW Samples and Depth 20.00 - 20.45 20.00 21.00 - 21.30 21.35 22.50 - 22.87 22.50	3011/2015 End 01/12/2015 1 Tests Type & No SPTS D 39 UT 40 D 41 B 42 SPTS D 43 A 43	Records N=39 (3,6/8,9,10,12) 70 blows 100% rec 50 (7,12/12,14,24 for 70mm)	om GL to 1.20m. Ca Date Ti Casing Wa 2.30 2.30 21 01/12/15 18 2.30 21 01/12/15 18 2.30 21	Strata Description Image: Strata Description Image: Strata Description Mai Image: Strata Description Imag	0.00 23.90 n / and light bluish grey s are randomly n y and brown mottled RATORY HOLE	150 2.30	Coordinates (m) National Grid Depth, Level (Thickness) 20.80 -0.07 (1.20) 22.00 -1.27 (1.90) -3.17	E 529674.30 N 183157.25		
Groundwater Entries No. Depth Strike 1 22.00	m) Remarks Rose to 21.90) m after 20 minutes.	Depth Sealed (m	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used		
Notes: For explanation see Key to Exploratory reduced levels in metr	o of symbols and a v Hole Records. A es. Stratum thickr m	abbreviations Il depths and less given in		entral Somers Town, London			Borehole	BH3		
Scale 1:50	(c) ESG	www.esg.co.uk	out for I	ondon Borough of Camden				Sheet 3 of 3		



Drilled PH/SS	Start E	quipment, Methods and Rer	marks		Depth from to Dia	ameter Casing Depth	Ground Level	20.15 mO	D
Logged EP	20/11/2015 D H	ando 3000 land excavated inspection pit f	from GL to 1.2	20m. Cable	e percussive boring from 1.20m	150 2.50	Coordinates (m)	E 529718.9	5
Checked MM	End to) 20.45m.				I	National Grid	N 183231.9	1
Approved SW	23/11/2015								
Samples and	Tests				Strata Description				
Depth	Type & No	Records	Date	Time	Main	Detail	Depth, Level	Legend Backfi	,
· ·			Casing	Water	(MADE GROUND)	<u></u>	(INICKNESS)		_
- 0.20	ES 2			I	MACADAM.	1 =	- 0.10 \ +20.00		ł
- 0.20 - 0.20 - 0.40	D 1 B 3	4 samples taken		I	(MADE GROUND) Dark brown to black silty	-	(0.40)		
0.50	ES 5	t in takan		I	fine to coarse. Gravel is angular to subrounded,		- 0.50 +19.65		<u>*</u>
0.50 - 0.60	D 4 B 6	4 samples taken		I	fine to coarse of macadam and brick. Cobbles are	/ -	(0.50)		/
-				1	(MADE GROUND) Soft to firm brown slightly	-	-		/
- 1.00 - 1.00	ES 8 D 7	4 samples taken		1	gravelly CLAY with low cobble content. Gravel is	/ <u> </u>	- 1.00 +19.15		/
- 1.00 - 1.20	B 9	4 dampies taken	0.00	dry	angular to subangular, fine to medium of brick.		(0.50)		/
- 1.20 - 1.20 - 1.70	D 10 B 11			1	(MADE GROUND) Soft dark greenish brown	-			/
1.20 - 1.65	SPTS	N=5 (1,1/1,1,1,2)		1	slightly gravelly CLAY. Gravel is angular to	1 -	- 1.50 +18.00		/
- 1.70	ES 15	4 samples taken		1	subangular, fine to medium of brick and		_	F /	/
F	5.40			1	Firm becoming stiff brown mottled grey and	-	-		΄.
- 2.00	D 12			1	orangish brown CLAY. (LONDON CLAY	-	1	F 1/11	/
2.20 - 2.65	UT 13	40 blows 100% rec	1.50	dry	FORMATION)	-	_	F	1
F			20/14/14E	1000	1	-	-	EET KIN	/
F			20/11/15 2.50	1800 dry	1	-	1		/
2.70	D 14		23/11/15	0800	1		_	t [/]	/
F			2.50	dry	1		-	F KII	/
F				1	1	-	1		/
- 3.20	D 16			1	1		-		<i>.</i>
F				1	1	-	-	F ///	/
F				1	1	-	1		1
Ł				1	1		_	⊢ KII	
F				1	1	-	-	F1 1/1	/
F				1	1	-	(5.20)		,
4.20 - 4.60	UT 17	45 blows 100% rec	2.50	dry	1				/
F				I	1	-	-	t1 171	/
	D 40			I	1		_	FEA KIN	/
4.65	D 18			I	1	4.65-5.20 Fille to medium gravel	-		/
Ē				I	1	sized selenite _	1		/
<u> -</u>				I	1	Crystais	-	F VII	/
5.20	D 19		2.50	dry	1	-	-	F 171	/
– 5.20 - 5.65 –	SPIS	N=16 (1,2/3,4,4,5)		I	1	-	-	t-t-i rjr	΄.
F				I	1		-	F I/II	/
F				I	1	-	-		/
E				I	1		_		/
F				I	1	_	-	⊢1 ⊿	/
6.20	D 20			I	1	_	-	FFE KIN	<i>_</i>
Ł				I	1		-	FFH VI	/
6.50 - 6.95	UT 21	45 blows 100% rec	2.50	dry	1		-	F I //	/
É				I	The second brownich arou OLAV Fissures		6.70 +13.45	EII KII	/
Ł				I	are randomly orientated, planar and smooth.	-	-	F 1/1	/
7.00	D 22			I	(LONDON CLAY FORMATION)	_	-	┝_──┤ ┟╌╆┪	-
E				I		-	-	트 그 그 귀	, (
ł				I	1		-	는 1.11	`
F				I	1		-	t-I-1 160	
È				I	1	-	-	F KH	, ~
7.80 - 8.00	B 23			I	1	-	(2.30)	⊢ ≈ ∩月	L
8.00	D 24		2.50	dry	1	8.00 Fine to medium-	-	Ľ-I-]₁⊑ oH	C
8.00 - 8.45	SPTS	N=16 (2,3/4,3,4,5)		I	1	gravel sized	-	$ \vdash_{+} \mid \vdash_{H} $	ر ۱
F				I	1		-	⊢ ₫	(
E .				I	1		1	Е1 он	
Ł				I	1	-	-	F IoH	
F				I	1		-		C
9.00	D 25			I		9.00 Rare hard	9.00 +11.15	E-I-I L'H	
t-				I	Stiff fissured dark grey CLAY. Fissures are	wood fragments -		FT IoH	C
F				I	smooth. (LONDON CLAY FORMATION)	(<5mm x 1011111). –	1		, ا
9.50 - 9.85	UT 26	50 blows 100% rec	2.50	damp			1	⊢ન ા,મ	,
					1		-	H 120	
F				1	1	infilled burrows with -	1	EEE IMH	_ ا
- 9.90	D 27					light grey silt (1mm -	1	<u> 0 </u>	C
				I	Hole continues on next sneet	A 200001.			
Groundwater Entries					Denth Related Remarks		Hard Boring		_
No. Depth Strike (m) Remarks		Depth Sea	aled (m)	Depths (m) Remarks	I	Depths (m)	Duration (mins) Tools use	d
1 8.00	Rose to 7.90 m	n after 20 minutes. seepage		I	1.20 - 20.45 SPT hammer ID SM22 (Er 72%) rod type NV	٧Y	7.80 - 8.00	45 Chisel	
				I	1	I			
l				1	1	I			
Notes: For explanation	of symbols and a	bbreviations Projec	ct	Cer	itral Somers Town, London		Borehole		-
see Key to Exploratory	Hole Records. All	depths and				1	Į		
brackets in depth colur	mn.	Projec	st No.	D50	J61-15		1	BH4	
Scale 1:50	(c) ESG v	www.esg.co.uk	d out for	Lor	don Borough of Camden	I		Sheet 1 of 3	



Drilled PH/SS	Start	Equipment, Methods and Re	narks		Depth from to Dia	meter Casing Depth	Ground Level		20.15 mOD
Logged EP	20/11/2015	Dando 3000	from CI to 1.20	°~ Cable	(m) (m) (i 0.00 20.45	mm) (m) 150 2.50	Coordinates (m)		E 529718.95
Checked MM	End	to 20.45m.		JIII. Cable	percussive boning normalization		National Grid		N 183231.91
Approved SW	23/11/2015								
Samples and	d Tests				Strata Description				
Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			ousing	mater			(1110111000)		DOH 1
-							-		
-									L H a
_									PBO
-									– ₫ c
	D 28 SPTS	N=19 (1 3/3 5 5 6)	2.50	damp		11.00-12.00 Silty			Ι <u>ο</u> Η
-	0110	10 (1,0/0,0,0,0)						F	
-							(5.00)		
-						-	()		∣о∐о
F									- I H c
12.00 	D 29								
E .						_			머물
– – 12.50 - 12.95	UT 30	50 blows 100% rec	2.50	damp					- IoHo
-				·		-	-	<u> </u>	loHo
-						-	-		
13.00 	D 31								
-						-	-		- IõA ,
-							-		
-						-			
-						-		F]	ĽΒυ
	D 32 SPTS	N=29 (2,4/6,7,7,9)	2.50	damp	Stiff to very stiff fissured dark grey CLAY with		14.00 +6.15		⊂ [⊂
-					partings of light brownish grey silt and rare silt infilled burrows (1mm x 10mm). (LONDON CLAY	-			ICH .
-					FORMATION)				
-						-			
-						-	-		οДо
15.00 	D 33						-		- I H c
-						-	-	\square	- Fol
– — 15.50 - 15.95	UT 34	55 blows 100% rec	2.50	damp					2 ऱ 0 ॑
_				·		-	-		oHo
-						-	-		οΠο
16.00 	D 35					16.00 Rare fine gravel sized pyrite			
-						-			
-								<u> </u>	
F							-	$\models = \downarrow$	
-						-			
- 17.00 - 17.00 - 17.45	D 36 SPTS	N=26 (3,5/5,6,7,8)	2.50	damp					
-						-	(6.45)		
-						-			
-						-			
- 18.00 18.05	117.20	55 blows 100% res	2.50	dama		-		F]	
- 18.00 - 18.95	D 37	55 blows 100% rec	2.50	uamp					
-						-			
-						_			
-						-			
-	D 20					-			
- 19.00	D 39					-		F]	
-						-		$\models = \downarrow$	
_									
-						-			
-									
					Hole continues on next sheet	sandy.			
Groundwater Entries					Depth Related Remarks		Hard Boring		
No. Depth Strike	(m) Remarks Remained at	15.50 m after 20 minutes.	Depth Sea	led (m)	Depths (m) Remarks		Depths (m)	Duration (mi	ns) Tools used
_ 10.00	seepage								
Notes: For explanatio	n of symbols and	abbreviations Project	:t	Cen	tral Somers Town, London		Borehole		
see Key to Explorator reduced levels in met	y Hole Records. A res. Stratum thick	ness given in	t No	D.50	£1.15			BH4	
Scale 1:50	(c) ESG	www.esg.co.uk	d out for	1 00	don Borough of Camden			Sheet 2 of 2	
Juane 1.30	03/0	05/2016 11:43:38		2011	· · · · · · · · · · · · · · · · · · ·			JIEC 2 01 3	



Drilled PH/SS	Start Ec	quipment, Methods and Rema	urks		Depth from to Dia	ameter Casing Depth	Ground Level		20.15 mOD
Logged EP	20/11/2015 Da	ando 3000	m CL to 1.20m Cablo	porquesivo boring from 1.20m	(m) (m) (0.00 20.45	mm) (m) 150 2.50	Coordinates (m)	E	529718.95
Checked MM	End to	20.45m.	III GE to 1.2011. Cable	percussive boning from 1.20m			National Grid	N	183231.91
Approved SW	23/11/2015								
Samples and	l Tests			Strata Description					
Depth	Type & No	Records	Date Time Casing Water	Ма	in	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00	D 40		2.50 damp				(1110111000)		
_ 20.00 - 20.45 _	SPTS	N=32 (3,5/7,8,8,9)	23/11/15 1800			=			
-			2.50 damp	END OF EXPLO	RATORY HOLE		20.45 -0.30		
-						-			
-						=			
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Groundwater Entrice				Danth Balata d Da			Hand D!		
No. Depth Strike (m) Remarks		Depth Sealed (m)	Depths (m) Remarks			Depths (m)	Duration (mins)	Tools used
Notes: For explanation see Key to Exploratory	of symbols and ab Hole Records. All	depths and	Cen	tral Somers Town, London			Borehole		l
reduced levels in metre brackets in depth colur	es. Stratum thickne nn.	ss given in Project	No. D50	61-15				BH4	
Scale 1:50	(c) ESG w	ww.esg.co.uk	out for Lon	don Borough of Camden				Sheet 3 of 3	



Drilled PH/SS Logged Checked MM	Start 24/11/2015 End	Equipment, Methods and Ren Dando 100 Hand excavated inspection pit to 20.45m.	marks from GL to 1.20	0m. Cable	percussive boring from 1.20m	iameter Casing Depth (mm) (m) 150 1.80	Ground Level Coordinates (m) National Grid		20.17 mOD E 529745.67 N 183205.64
Approved SW	25/11/2015	L							
Samples ar	id Tests		Date	Time	Strata Description	1	Depth. Level	l eaend	Backfill
Depth	Type & No	> Records	Casing	Water	Main	Detail	(Thickness)	Logend	
- 0.20 - 0.20 - 0.40 - 0.50 - 0.50 - 0.50 - 0.50	ES 2 D 1 B 3 ES 5 D 4 B 6	4 samples taken 4 samples taken			(MADE GROUND) MACADAM. (MADE GROUND) Dark brown silty sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of macadam, brick and concrete. Sand is		0.10 ^(0.10) +20.07 (0.70)		
- 1.00 - 1.00 - 1.20 - 1.20 - 1.65 - 1.20 - 1.65 - 1.20 - 1.55 	ES 8 D 7 B 9 SPTS D 10 ES 11	4 samples taken N=6 (1,1/1,1,2,2) 4 samples taken	0.00	dry	The to coarse. Cooples are anyolar of brick. Occasional tile fragments. (MADE GROUND) Dark brown clayey sandy GRAVEL with medium cobble content. Gravel is angular to subangular, fine to coarse of macadam, brick and concrete. Sand is fine to coarse. Cobbles are angular of brick. Firm to stiff brown CLAY. (Possibly LONDON CLAY FORMATION)		(0.50) (0.50) 1.30 +18.87		
2.20 - 2.65 2.20 - 2.65 2.20 - 2.70	UT 12 D 13	35 blows 100% rec	1.80	dry					
- - - - - - - - - - - - - - - - -	SPTS D 14	N=12 (1,1/2,3,3,4)	1.80	dry			(3.50)		
 4.20 - 4.65 	UT 15	45 blows 100% rec	1.80	dry 1800					
- 4.70 	D 16		1.80 25/11/15 1.80	dry 0800 dry	Firm to stiff brownish grey CLAY with occasional partings of fine orange silt. (LONDON CLAY		4.80 +15.37		
- 5.20 - 5.65 - 5.20 	SPTS D 17	N=15 (1,2/3,3,4,5)	1.80	dry		5.50-6.00 Rare fine to medium gravel size gypsum crystals.			
- 6.20 - 6.50 - 6.95 	D 18 UT 19	45 blows 100% rec	1.80	dry			(3.20)		
- 7.00 	D 20								
8.00 - 8.45 8.00 	SPTS D 21	N=18 (5,4/3,4,5,6)	1.80	dry	Grey CLAYSTONE recovered as fine to coarse gravel. (LONDON CLAY FORMATION) Stiff to very stiff fissured dark grey CLAY with partings of light grey silt. Fissures are randomly orientated, planar and undulating. (LONDON CLAY FORMATION)		8.00 +12.17 8.20 +11.97		
- 9.00 	D 22								
- 9.50 - 9.95 	UT 23	45 blows 100% rec	1.80	dry					
Groundwater Entrie: No. Depth Strik	s e (m) Remarks		Depth Sea	led (m)	Hole continues on next sneet Depth Related Remarks Depths (m) Remarks 0.00 - 20.45 SPT hammer ID SM28 (Er 66%) rod type N	WY	Hard Boring Depths (m)	Duration (min	ns) Tools used
Notes: For explanati see Key to Explorate reduced levels in me brackets in depth cc	on of symbols and ory Hole Records. A etres. Stratum thick plumn. (c) ES(abbreviations All depths and cness given in G www.esg.co.uk	:t :t No. ed out for	Cen D50 Lon	tral Somers Town, London 61-15 don Borough of Camden		Borehole	BH5	



Drilled PH/SS	Start	Equipment, Methods and Rer	marks		Depth from to D	ameter Casing Depth	Ground Level		20.17 mOD
Logged	24/11/2015	Dando 100	5 CL to 1.20m	Cabl	(m) (m) 0.00 20.45	(mm) (m) 150 1.80	Coordinates (m)		E 529745.67
Checked MM	End	to 20.45m.	10111 GL to 1.2011.	Jan	percussive boning from 1.20m		National Grid		N 183205.64
Approved SW	25/11/2015	<u> </u>							
Samples and	d Tests				Strata Description				
Depth	Type & No	> Records	Date Casing	Time Wate	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 24			/14.			(1110-111-1-)	╄┮	\neg
E									
L						-	-	<u>⊢−−−</u> _	
-							-	E	- í / /
						-	_	E	ΥZ,
11.00 - 11.45 11.00	SPTS D 25	N=22 (3,4/5,5,6,6)	1.80	dry			(5.80)	<u> </u>	
								F	
-							_		
-							_		ľ/,
-						-	_	F	
12.00 	D 26						_	E]	
L							_	L]	- [/ /
– 12.50 - 12.95	UT 27	45 blows 100% rec	1.80	dry			_	F	ľ/,
-						-	_		
_							_	E= 1	
13.00	D 28						_	[]	
_						-	_	E]	
-							_	L]	
_							_	F	
_						-	-		- í / /
14.00 - 14.45 14.00	SPTS D 29	N=25 (3,4/4,6,7,8)	1.80	dry	Very stiff fissured dark grey CLAY with occasional		- 14.00 +6.17		/
[partings of light grey silt. Fissures are planar and	-	_	F	
-							_	E]	
_							-	L]	1//
						-	_	<u> </u>	/
15.00	D 30					<u> </u>	_	F	
							_	E= 1	
15.50 - 15.95	UT 31	45 blows 100% rec	1 80	dry			_	<u>⊢−−−</u> <u>−</u> <u>−</u> <u>−</u>	ľ//
		40 810112 11	1.00	۰.		-	_	F	/
E						-	_	E	
16.00	D 32					_	_	<u> </u>	
							_	F	ľ//
							_		
							_		
-						-	_	F	
- 17.00 - 17.45 - 17.00	SPTS D 33	N=28 (3,5/6,6,8,8)	1.80	dry		-	_	E]	Ĭ / /
						-	(6.45)	L]	Y,
F							_	F	
L						-	-	F	
_						-	_		
18.00 	D 34						-	<u>⊢</u> _	
-							-	F	
- 18.50 - 18.95	UT 35	45 blows 100% rec	1.80	dry		-	-	E	
-						-	-	L]	
-						-	-	F	
19.00 	D 36						-		
-						-	-		
-						-	-	F	
-						-	_	[]	×7,
-						-	-	<u>L</u>	
			-		Hole continues on next sheet				
Groundwater Entries					Double Deleted Demogra		Hard Boring		
No. Depth Strike	(m) Remarks		Depth Sealed	(m)	Depth Related Remarks		Depths (m)	Duration (mi	ns) Tools used
Notes: For explanatio	on of symbols and	abbreviations Projec	st	Cer	tral Somers Town, London		Borehole		
see Key to Explorator reduced levels in met	ry Hole Records. P tres. Stratum thick	All depths and cness given in		~=				RH2	
brackets in depth con	umn. (c) ESC	S www.esg.co.uk	t No.	U	61-15				
Scale 1:50	• • • • • • • • • • • • • • • • • • • •	Udino	d out for	LON	don Borougn of Camben			Sheet 2 of 3	



Drilled PH/SS	Start E	Equipment, Methods and Remarks Depth from to Diameter Casing Depth						Ground Level 20.17 mOD		
Logged	24/11/2015 D	ando 100			(m) (m) (n 0.00 20.45	mm) (m) 150 1.80	Coordinates (m)	E 529745.67		
Checked MM	End to	and excavated inspection pit fro 20.45m.	m GL to 1.20m. Cable	percussive boring from 1.20m			National Grid	N 183205.64		
Approved SW	25/11/2015									
Samples and	l Tests			Strata Description	1					
Denth	Turne 9 No.	Basarda	Date Time		-	Deteil	Depth, Level	Legend Backfill		
		Records	Casing Water	IVIa		Detail	(Thickness)			
20.00 - 20.45 20.00	D 37	N=28 (3,5/5,6,8,9)	1.80 dry			=		E-I-I / /		
-			25/11/15 1800 1.80 dry					t- <u>-</u> -1 (/		
_				END OF EXPLO	RATORY HOLE		20.45 -0.28			
L						_				
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-						-				
-						-				
_						_				
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Groundwater Entries No. Depth Strike	m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used		
			. ,				2 openo (m)			
		•								
Notes: For explanation see Key to Exploratory	of symbols and all Hole Records. All	bbreviations Project depths and	Cen	tral Somers Town, London			Borehole			
reduced levels in metro brackets in depth colu	es. Stratum thickne mn.	ess given in Project	No. D50	61-15				BH5		
Scale 1:50	(c) ESG v	www.esg.co.uk	out for Lon	don Borough of Camden				Sheet 3 of 3		



Drilled GW	led GW Start Equipment. Methods and Remarks Depth from to Diameter Casing De						Ground Level	19.31 mOD
Loaged CM	16/12/2015 Da	ando 2000			(m) (m) 0.00 2.80	(mm) (m) 150 2,50	Coordinates (m)	E 529794.98
Chackad MM	Find to	ind excavated inspection pit fro	m GL to 1.20n	n. Cable	percussive boring from 1.20m	100 2.00	National Grid	N 183206 13
	B0'	rehole terminated due to obstru	uction.				National Grid	N 100200.15
Approved Svv					Otrata Description		1	
Samples and	Tests		Date	Time	Strata Description	1	Denth Loval	Packfill
Depth	Type & No	Records	Casing	Water	Main	Detail	(Thickness)	Legend Dacking
_	+	+			(TOPSOIL)	-	0.10 ^(0.10) +19.21	
0.30 - 1.00	В4				Brown organic silty SAND with rootiets. (MADE GROUND)	=		
- 0.30 - 1.50	ES 1				Brown silty gravelly slightly organic SAND with			
- 0.60 - 2.00 -	ES 2				brick, concrete and occasional oyster shells.			
_					Occasional boulder sized concrete fragments.		(1.40)	
1.00	ES 3							
- 1.20 - 1.50	SPTC	47 (12,12/19,28 for 75mm)	0.00	dry		-	-	
						-		
— 1.50 - 2.00 —	В 5				(MADE GROUND)	1 -	1.50 +17.81	
-			16/12/15	1800	Brown and grey COBBLES and BOULDERS of brick and concrete with a little CLAY.			
2 00 - 2.00	SPTC		2 50	dry				
2.00	ES 6		17/12/15	0800		_	(1.30)	
2.25	D 7			ary		-		
_						-		
-			2.50	1800 dry		-	-	
-					END OF EXPLORATORY HOLE	-	2.80 +16.51	
-						_		
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		1						
Groundwater Entries			<u> </u>		Denth Related Remarks		Hard Boring	
No. Depth Strike (m) Remarks		Depth Seale	⊧d (m)	Depths (m) Remarks		Depths (m) [1.20 - 2.00 2.80 - 2.80	Duration (mins) Tools used 150 Chisel 90 Chisel
Notes: For explanation	of symbols and ab	breviations Project		Cer	aral Somers Town, London		Borehole	
reduced levels in metr	es. Stratum thickner	ss given in	No		C4 4E		1	BH6
brackets in depth colu	nn. (c) ESG w	AGS	NU.	0.50	den Bereurik of Comden			Billo
Scale 1:50	02/05/2	Carried Carried	Sutior	LOD	Jon Borough of Canden			Sheet 1 of 1



Drill	ed GW	Start	Equipment, Methods and Re	marks		Depth from to	Depth from to Diameter Casing Depth			17.80 mOD
Log	ged CM	08/12/2015	Dando 2000			(m) (m) 0.00 22.75	(mm) (m) 200 1.50	Coordinates (m)		E 529858.15
Che	cked MM	End	Hand excavated inspection pit to 30.36m.	from GL to 1.20	Im. Cable	percussive boring from 1.20m 22.75 30.00	150 26.00	National Grid		N 183177.61
Арр	roved SW	15/12/2015								
Sa	mples and	d Tests				Strata Description		1		
	Depth	Type & N	o Records	Date	Time	Main	Detail	Depth, Level	Legend	Backfill
┝─		- 3 1 - 5 - 5 - 5		Casing	Water	(TOPSOIL)		(Thickness)		°. 0
F	0.30	ES 1			I	Brown organic silty SAND with rootlets. (MADE GROUND)		(0.30)		با لم
E					I	Grey silty SAND of ash.		0.40 +17.40	'	ИΖ
-	0.60 0.60 - 1.50	ES 2 B 4			I	Brown sandy GRAVEL with high cobble content.		(0.45)		
F					I	Gravel and cobbles are of brick and concrete. Occasional boulder sized concrete fragments.		0.85 +16.9	;	
F	1.00	ES 3			I	Firm to stiff locally fissured brown CLAY with	—	-	L1	E KIK,
F					I	(LONDON CLAY FORMATION)		1	L	V
–	1.50 - 1.95	SPTS	N=9 (1,2/2,2,2,3)	1.50	dry				F	−ИИ
_	1.50 - 1.95	Dэ			I			1	F	
E_					I		_		$\models = \downarrow$	- Kirz
E					I					E KIK.
E	2.25	D 6			I		2.25-3.00 Gleying on fissure surfaces.		<u> </u>]	-ИV
F	2.50 - 2.95	U 7	22 blows 100% rec	1.50	dry		2.25-5.70 Clay is _ fissured.		F	
F					I			-	[]	- [], [], [], [], [], [], [], [], [], [],
-	3.00	D 8			I		3.00-4.25	-	L1	E KIK
F	3 25	D 9			I		Occasional selenite - crystals	(4 05)	F	
F	0.20				. !			(4.00)	$F_{}$	ПΖ
F	3.50 - 3.95 3.50 - 3.95	D 10	N=15 (2,2/4,3,4,4)	1.50	ary		-	1	F	
E					I			1		
E					I		_			E KIK.
E	4.25	D 11			I					-MV
F	4 50 - 4,95	U 12	17 blows 100% rec	1 50	drv		-		[]	
E	4.00			1.00	·,				L1	- [X] /
L					I				<u></u>	- Kir
F	5.00	D 13			I			-	F	
F					I			-	F	ПΖ
L	5.50	D 14			I		-	4		
F					I	Stiff fissured area CLAY with occasional partings		5.70 +12.10	, <u></u>	
F	0.00 0.45	0.0070			l atau	of grey silt. Fissures are randomly orientated,	'	4		E KIK.
F	6.00 - 6.45 6.00 - 6.45	D 15	N=16 (2,2/3,4,4,5)	1.50	ury	closed and clean. (LONDON CLAY FORMATION)		1	[]	-ИV
E					I				L1	- 1412
F					I		-		L	
F					I					
L	7.00	D 16			I		_		F	
È.					I				==1	ИΖ
F					. !			4		
F	7.50 - 7.95	U 17	21 blows 100% rec	1.50	dry		-	4	<u>⊢</u>	- ľ X [2
F				08/12/15	1800			1	[]	E KIK
F.	8.00	D 18		1.50	dry		8.00 Occasional	1	[]	
F				1.50	dry		Ø) infilled with grey	1	L1	ИΖ
E	8 50	D 19			I		Slit.		F	
E	0.00	D 10			I				$F_{}$	- Katz
F					I				F]	E KIK.
F	9.00 - 9.45 9.00	SPTS D 20	N=25 (2,4/6,6,6,7)	1.50	dry		9.00-13.00 Silty			ИΖ
F	0.00				I				<u>⊢</u>	
F					I		-		[]	1/1/
F					I			4	[]	
F					I			4	L1	V
		1		1		Hole continues on next sheet	I			
Grou	undwater Entries		<u> </u>			Depth Related Remarks		Hard Boring		
No	. Depth Strike ((m) Remarks		Depth Seal	led (m)	Depths (m) Remarks		Depths (m)	Duration (mi	ins) Tools used
					ł					
Note see I	s: For explanation Key to Explorator) of symbols and y Hole Records.	All depths and	ct	Cen	tral Somers Town, London		Borehole		
redu brac	ced levels in metr kets in depth colu	es. Stratum thick	cness given in	ct No.	D50	61-15			BH7	
Sc	ale 1:50	(c) ESr	G www.esg.co.uk	ed out for	Lor	don Borough of Camden			Sheet 1 of 4	


Drilled	GW	Start	Equipment, Methods and Re	emarks		De	pth from to	Dia	meter Cas	ing Depth	Ground Level		17.80 mOD
Logged	СМ	08/12/2015	Dando 2000	: (CL to 1.2)	Cre Cabla	the basing from 1.20m	(m) (m) 0.00 22.75	5 (r	nm) 200	(m) 1.50	Coordinates (m)		E 529858.15
Checked	MM	End	to 30.36m.	trom GL to 1.20	Jm. Cable	percussive boring from 1.2011	22.75 30.00)	150	26.00	National Grid		N 183177.61
Approved	SW	15/12/2015	l										
Sample	es and	Tests				Strata Description		_					
D	epth	Type & No	o Records	Date	Time	Main			Deta	il	Depth, Level	Legend	Backfill
1(0.00	D 21		Casing	Water						(Thickness)	╞╌╌╌	
E					l					-	-		V
- 10.50) - 10.95	U 22	31 blows 100% rec	1.50	dry					_	-		ИΖ
_										-	-	[]	
					l					-	-	L1	E LIL
- 11	1.00	D 23			l						-	L]	
-					l					-		F	ЛV
- - 1'	1.50	D 24			l					_	-	F	
-					l					-	-		Ľ II.
										-	-		- KIK
- 12.00 - 12.00) - 12.45) - 12.45	SPTS D 25	N=27 (2,3/6,7,7,7)	1.50	dry						-	[]	A
-				09/12/15	1800					-	(13.30)	E	
–				1.50	dry					_		L]	- ľ XL
-				14/12/15 1.50	0800 dry					-	-	F	- KIK
	~ ~~	5.26			l					-	-	F	
	3.00	U 20			l					-	-		
-					l					-	-		- í Alz
- - 13.50) - 13.95	U 27	34 blows 100% rec	1.50	dry					-	-	F	
_					l					-		[]	
E 1	4 00	D 28			l					_	-	L1	$ \Lambda $
- ·	4.00				l					-	-	<u> </u>	
Ł					l					-	-	$F_{}$	Ľ,
14	4.50	D 29			l					-	-		- ZIY
_					l					-	-		ИΖ
- - 15.00) - 15.45	SPTS	N=26 (2.3/6.6,7,7)	1.50	dry					_	-	F	
- 15.00 -) - 15.45	D 30			-					-	-	[]	Ľ,
_					l					-		L1	- M
					l					-	-	F	$ \Lambda $
_					l					-	4	$F_{}$	
- 1/	6.00	D 31			l					_	-		- Ľ J L
-					l					-	-		- KIK
					.					-	-	F	/ /
— 16.50 —) - 16.95	U 32	29 blows 100% rec	1.50	dry					-	-	F	
-					l					-	-	L1	- I A L
- 17	7.00	D 33			l					_	-	F	- Kir
-					l					-	-	F	V
F		D 24			l					-	-		
- "	7.50	U 34			l					-	-		
F					l					-	-	<u>⊢</u>	Ľ,
) - 18.45	SPTS	N=31 (3,3/7,8,8,8)	1.50	dry						-	[]	- KIK
	J- 10.40	0.00			l					-	-	L1	ИΖ
E					l					-		<u> </u>]	
					l					-	_	F	
L					l					-	-		- KIK
19	9.00	D 36			l	Very stiff brown light bluish gr	rey mottled silty			_	19.00 -1.20		ПΖ
_					l	CLAY.	•			-	-	××	
- - 19.50	1 - 19.95	U 37	40 blows 100% rec	1.50	drv					_	-	××	
	,									-	(1.50)	<u>×</u> _	- M
F					l					-	(1.50)	×	$ \Lambda $
		+				Hole continues on r	next sheet						
Groundwate	or Entries					D with D-Isted Demoko					Hand Bering		
No. Dep	oth Strike (r	n) Remarks		Depth Sea	led (m)	Depth Related Remarks Depths (m) Remarks					Depths (m)	Duration (mir	ns) Tools used
Notes: For e see Key to P reduced lev	explanation Exploratory rels in metre	of symbols and Hole Records Stratum thicl	All depths and kness given in	/ct	Cen	itral Somers Town, London					Borehole	7 10	
brackets in	depth colum	nn.	- AGS	ct No.	D50	161-15						BHI	
Scale 1	1:50	(C) EGU	3 www.esg.co.uk	ed out for	Lon	don Borough of Camden						Sheet 2 of 4	



Drille Loge Che [,]	əd GW jed CM cked MM	Start 08/12/2015 End	Equipment, Methods and R Dando 2000 Hand excavated inspection p to 30.36m.	temarks	20m. Cable	Depth from tc (m) (r 0.00 22: 22.75 30.0	o Dian n) (m .75 2 .00	Casing Depth Im) (m) 200 1.50 150 26.00	Ground Level Coordinates (m) National Grid		17.80 mOD E 529858.15 N 183177.61
Appi Sa	roved SW	15/12/2015				Strata Description					
Ju	Depth	Type & N	o Records	Date	Time	Main		Detail	Depth, Level	Legend	Backfill
	20.00	D 38		Casing	water				(Thickness)	×_^_×	
-								-	-	××	
	20.50	D 39				Very stiff reddish brown and bluish grey mot	ttled	-	20.50 -2.70	××	
_						(LAMBETH GROUP)		-	-	××	
E	21.00 - 21.45 21.00 - 21.45	SPTS D 40	N=40 (3,3/6,10,11,13)	1.50	dry					××	Ν
-								-	(1.50)	××	∣o∏⊂
_								-		××	
_								-		××	F C C
_	22.00	D 41				Very stiff fissured grey with occasional light grev mottling CLAY. Fissures are randomly	bluish		22.00 -4.20 (0.25)	Ě – – –	
_						orientated, closed and clean.	/	-	22.25 -4.45	××××	
	22.50 - 22.70	U 42	67 blows 100% rec	1.50	dry	Light bluish grey very silty SAND. Sand is fil (LAMBETH GROUP)	ine.		-	×××	. LloH c
_	22.75 22.75 - 23.80	D 43 B 44						-	-	×××	
_									(1.75)	× × × ×	I I I I
_								-	-	× × × × × × ×	
								-		× × × × ×	
_								-	-	××××	
_	24.00 - 24.45 24.00 - 24.45	SPTS D 45	N=49 (2,3/7,11,14,17)	1.50	damp	Very stiff bluish grey CLAY.			24.00 -6.20		I A C
_				14/12/15 1.50	1800 damp			-	-	F	ΙÖĘ
-				15/12/15	0800			-	(1.00)	F	oĦ c
_				24.00	damp			-		F	oF c
-	25.00	D 46				Very stiff dark grey sandy CLAY. Sand is fine	e.		25.00 -7.20		Here
-	25.30	D 47				(LAMBETH GROUP)		-	(0.50)		₂⊾◯⊟
_	25.50 - 25.95 25.50	SPTS D 48	N=49 (7,8/10,10,14,15)	24.00	25.50	Dense dark grey clayey SAND. Sand is fine) .	-	25.50 -7.70		
						(LAMBETH GROUP)			-		
_								-	(1.00)		
								-			
_	26.50	D 49				Very stiff reddish brown and bluish grey mot	ttled	-	26.50 -8.70		
_						CLAY with occasional orange silt lenses. (LAMBETH GROUP)		-			
_	27.00 - 27.44 27.00	SPTS D 50	50 (3,6/9,14,15,12 for 67mm)	26.00	dry			-	-		
-								-	-		्रम्
_								-	-		ΒĂ
_								-	-		∣o∏⊂
_	28.00	D 51							(3.00)		offe
-								-	-	F- <u>-</u> -]	- L B c
_	28.50 - 28.88 28.50	SPTS D 52	51 (4,7/12,14,25,0 for 0mm)	26.00	dry					F	ГÖН
_	20.00		Unitry					2	4	F	
_								-		F	- LΈΗ_
_								-			ГЪ
_	29.50	D 53				Verv stiff brown silty CLAY.		-	29.50 -11.70		
_						(LAMBETH GROUP)		-	-	×	оH
-						Hole continues on next sheet			(0.86)	<u>^×</u>	- loH c
Grou	Indwater Entries					Danth Dalated Demonics			Hand Daving		
No 1 2	. Depth Strike 22.75 25.30	, (m) Remarks Rose to 21.€ Rose to 21.€	90 m after 20 minutes. 80 m after 20 minutes.	Depth Sea	aled (m) 24.00 26.00	Depth Related Remarks Depths (m) Remarks			Depths (m)	Duration (mi	ins) Tools used
Note	s: For explanati	on of symbols and	d abbreviations Proj	ect	Cer	tral Somers Town, London			Borehole		
redu	ced levels in me	etres. Stratum thick	kness given in	ect No.	D50	61-15				BH7	
Sc	ale 1:50	(c) ES	G www.esg.co.uk AGS	ried out for	Lon	don Borough of Camden				Sheet 3 of 4	



Drilled GW	Start	Equipment, Methods and Remain	arks		Depth from to	Diameter Casing Depth	Ground Level		17.80 mOD
Logged CM	08/12/2015	Dando 2000			(m) (m) 0.00 22.75	(mm) (m) 200 1.50	Coordinates (m)	I	E 529858.15
Checked MM	End	to 30.36m.	om GL to 1.20m. Cable	percussive boring from 1.20m	22.75 30.00	150 26.00	National Grid	1	N 183177.61
Approved SW	15/12/2015								
Samples and	1 Tosts			Strata Description	n		1		
			Date Time				Depth, Level	Legend	Backfill
Depth	Type & No	Records	Casing Water	М	ain	Detail	(Thickness)		
	SPTS D 54	50 (7,10/11,17,22 for 62mm)	26.00 dry 15/12/15 1800	END OF EXPLO	DRATORY HOLE			<u>×</u> _×	
-			26.00 dry			-	30.36 -12.56	x_^	0H0
_									
L						-			
-						-	-		
-						-	_		
F						-			
_						_	-		
-						-	-		
-						-	-		
-						-	-		
_						-	-		
-						-	-		
E						-	-		
_						-	-		
							-		
_						-	-		
-						-	-		
_						-	-		
E						-			
							-		
_						-	-		
_						-	-		
_						-			
E						-			
F							-		
E						-			
F									
-						-			
-						-	-		
-						_	-		
-						-	-		
-						-			
-						-	-		
-						-	-		
_						_	-		
-						-	-		
F						-			
F						-	-		
F							-		
F							-		
F						-			
F						-	-		
F						-			
_						-	_		
F						-	-		
F						-	-		
F						-	-		
F						-	-		
F						-	-		
-							1		
Groundwater Entrice									
No. Depth Strike	(m) Remarks		Depth Sealed (m)	Depths (m) Remarks			Depths (m)	Duration (mins)	Tools used
Notes: For explanatio	n of symbols and	abbreviations Project	Cen	tral Somers Town, London			Borehole		
reduced levels in met	es. Stratum thick	ness given in	No Deo	61-15				BH7	
Scale 1.50	(c) ESG	www.esg.co.uk	out for Lon	don Borough of Camden				Sheet 4 of 4	
00010 1.00	03/0	15/2016 11:43:40						01000 4 014	



Drilled GW	Start Eq	uipment, Methods and Re	marks		Depth from t	to Diam	eter Casing Depth	Ground Level		18.51 mOD
Logged EP	03/12/2015 Pil/	lcon			(m) (n 0.00 1.0	m) (mr 00 20	n) (m)	Coordinates (m)		E 529857.74
Checked MM	CP End	>			1.00 24.	1.00 1	50 2.50	National Grid		N 183145.70
Approved SW	04/12/2015									
Samples and	I Tests			Strata Description	l n					
Denth	Type & No	Records	Date Time	M:	ain		Dotail	Depth, Level	Legend	Backfill
	1390 0		Casing Water		and concrete (Dril	iller's		(Thickness)		
_			03/12/15 0800	description)	and concrete. (Drin	lilei s	-			
-			0.00				-	ł		
-							-	(1.30)		
-							=	()		
-										
-							-			
-	0.570			Firm brown silty CLAY with	th occasional light	blue	_	1.30 +17.21	<u> </u>	
- 1.50 - 1.95 - 1.50	D 5	N=9 (1,1/2,2,2,3)	1.00	silt. (LONDON CLAY FOR	aftings of orange a RMATION)	brown	-		××	Y
-									××	
	ES 6								××	
2.25	D 7						-	(1.70)	×_×_	
2 50 - 2 95	118	17 blows 100% rec					-	}		$ Y / _{}$
2.00-2.00	00	17 DIOWS 100 /0100					_]		
E							-]		
2.95 - 3.00	D 9			Stiff brown fissured CLAY	with occasional s	selenite		3.00 +15.51	×	
3.25	D 10			crystals. Fissures are ext	tremely to very clo	osely	_	1	L]	
- - 3.50 - 3.95	SPTS	N-16 (1 2/3 / 4 5)	2.50	gleying on surfaces. Occa	asional partings of	f	_		F	\vee
- 3.50 - 3.95	D 11	N=10 (1,2/3,4,4,3)	2.50	orange brown silt. (LOND	ON CLAY FORMA	ATION)	-		F	
							-	1	$\perp = 1$	
<u> </u>								}		/
4.25	D 12						_]	F	
4 50 - 4 95	U 13	17 blows 100% rec					_	ł	<u>[]</u>	
4.00 - 4.00	015	17 DIOWS TOU /0 TEC					-		<u>L</u> 1	
_							-	1	F	-YZ
4.95 - 5.00	D 14							(4.00)	$\models = \downarrow$	
F							=			
- - 50	D 15						_	1	F	
- 5.50	015						=		L1	- Y /
F							-		t- <u>-</u> 1	
6.00 - 6.45	SPTS	N=17 (1,2/3,4,4,6)	2.50						F	
- 6.00 - 0.00 -	010						=	1	E =_1	ľ/,
F							_	1		
F							_		<u>⊢</u>	
E							-	l	[]	
7.00	D 17			Stiff dark grey CLAY with	thin laminae of gre	ey silt		7.00 +11.51	<u>=</u>	
E				and occasional fine grave	sized mudstone		-]	F	//
7.45 - 7.95	U 18				FURIMATION		-	(1.00)	F	
E							-	(1.00)	$\models = \downarrow$	
E							-]		
7.95 - 8.00 	D 19			Stiff dark grey fissured Cl	LAY. Fissures are o	close,		8.00 +10.51		/
E				clean and randomly orien	tated. (LONDON (CLAY	-	(0.50)	[]	
8.50	D 20			FURIMATION			-	8 50 +10.01		
	0.20			Stiff dark grey silty CLAY of dark grey SILT and occ	with numerous pa	artings (>2mm)	-	0.00	<u></u>	
E				infilled with grey silt. (LON	VDON CLAY		-]		/
9.00 - 9.45	SPTS	N=22 (2,4/4,6,6,6)	2.50	FORMATION)]		
5.00 - 3.43	UZI		03/12/15 1800				-]	×	
E			2.50 dry				-		×	ľ/,
E			04/12/15 0800 2.50 dp				-]	×	
			2.50,				-]	×	
				Hole continues	s on next sheet]	-			
								<u> </u>		
Groundwater Entries No. Depth Strike	(m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks				Hard Boring Depths (m)	Duration (mir	ns) Tools used
	,		-					Depute (,	Durution (13, 100.0 2
								l		
<u> </u>	<u> </u>			<u> </u>						
Notes: For explanation see Key to Explorator) of symbols and abr y Hole Records. All c	depths and Project	st Ger	itral Somers Town, London				Borehole		
reduced levels in metr brackets in depth colu	es. Stratum thicknes mn.	ss given in Projer	ct No. D5(061-15					BH8	
Scale 1.50	(c) ESG w	ww.esg.co.uk	ed out for Lo	Idon Borough of Camden				1	Shoot 1 of 2	



Drilled GW	Start Eq	quipment, Methods and Rem	arks	Depth from to Di	ameter Casing Depth	Ground Level	18.51 mOD
Logged EP	03/12/2015 Pil	lcon		(m) (m) 0.00 1.00	(mm) (m) 200 1.00	Coordinates (m)	E 529857.74
Checked MM	End	2		1.00 24.00	150 2.50	National Grid	N 183145.70
Approved SW	04/12/2015						
Samples and	d Tests			Strata Description			
Denth	Type & No	Records	Date Time	Main	Detail	Depth, Level	Legend Backfill
10.00		1.000145	Casing Water	MCIII	Detail	(Thickness)	
_ 10.00	0 22					1	Ĕ- <u>,</u> → / /
						-	
— 10.50 —	U 23	29 blows 100% rec			-		k / / /
F						(4.50)	
10.95 - 11.00	D 24						
-							
11 50	D 25				-		
- 11.50	U 20				-		$\mathbb{F}_{\overline{x}} $
							≍- <u>-</u>
12.00 - 12.45	SPTS	N=25 (2,4/4,6,7,8)	2.50		_		k / /
12.00 - 12.70	0 20				_		
-							
_							
— 13.00 —	D 27			Stiff to very stiff dark grey silty CLAY with		13.00 +5.51	
-				numerous partings of dark grey silt. (LONDON CLAY FORMATION)	-	-	Ĕ-Ţ-Ă [/ ,
– — 13.50 - 13.95	U 28	31 blows 100% rec		,		-	
-							× / /
- - 13 95 - 30 00	D 29				_		$\overline{\mathbf{x}}_{-}$
-	020				-		
-						-	
- 14.50	D 30						⊨×
-							Ĕ-Ţ-Ă / /
-	2070						
— 15.00 - 15.45 - 15.00 - 15.45	D 31	N=22 (2,3/5,5,6,6)	2.50			1	$ x_{-} \times $
-							$\overline{\mathbf{x}}$
-							
-							
16.00	D 22						$F_{\overline{x}} + //$
- 10.00	U 32				-	(6.30)	Ĕ-Ţ-Ă / /
					-		
- 16.50 - 16.95	U 33	33 blows 1000% rec			_]	×
_							$\overline{\mathbb{R}}_{-}$
16.95 - 17.00	D 34						
_							
_							⊢×
— 17.50 —	D 35					-	
_					-		
- 	SPTS	N=25 (2,4/5,6,7,7)	2.50				x / / /
- 18.00 - 18.45 -	D 36					-	$\overline{\mathbf{x}}_{-}$
-						4	
F					_		$\begin{bmatrix} \mathbf{x} \\ \mathbf{x} \end{bmatrix}$
F							
<u>-</u>						-	Ĕ− <u>¯</u> −ă / /
-							
	D 37	1000/		Very stiff brown mottled bluish grey silty CLAY.	1 =	19.30 -0.79	$\mathbb{Z}_{-\mathbb{Z}}$
— 19.50 - 19.95 —	U 38	41 blows 100% rec		(LAMBETH GROUP)			$\overline{\mathbf{x}}_{-}$
-							
- 19.95 - 20.00	D 39	-		Hole continues on next sheet			
Groundwater Entries No. Depth Strike	(m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks		Hard Boring Depths (m)	Duration (mins) Tools used
						,	. ,
Notes: For explanatio	n of symbols and ab	breviations Project	Cen	tral Somers Town, London		Borehole	
see Key to Explorator reduced levels in meti	y Hole Records. All o res. Stratum thicknes	depths and ess given in	N- D50	a			RH8
brackets in depth colu	mn. (c) ESG w	ww.esg.co.uk	NO. DOU	don Borough of Camden			Shoet 2 of 2
Juane 1.00	00/05/6	Carlleu					UNCEL & UI J



Drilled GW	Start Equ	ipment, Methods and Rema	arks	Depth from to Di	ameter Casing Depth	Ground Level	18.51 mOD
Logged EP	03/12/2015 Pilc	on		(m) (m) 0.00 1.00 1.00 24.00	(mm) (m) 200 1.00	Coordinates (m)	E 529857.74
Checked MM	End			1.00 24.00	150 2.50	National Grid	N 183145.70
Approved SW	04/12/2015					1	
Samples and	l Tests	1	Date Time	Strata Description	1	Durith Laurel	
Depth	Type & No	Records	Casing Water	Main	Detail	(Thickness)	Legend Backfill
Samples and Depth 20.50 21.00 - 21.45 21.00 - 21.45 22.00 22.50 - 22.95 22.95 - 23.00 23.50 24.00 - 24.23 24.00 - 24.30 - - - - - - - - -	Type & No D 40 SPTS D 41 D 42 U 43 D 44 D 45 SPTS D 46	Records N=37 (2,3/7,9,10,11) 62 blows 100% rec 28 (6,13/17,11 for 0mm)	Date Time Casing Water 2.50	Main Very stiff brown, red and bluish grey mottled silty CLAY. (LAMBETH GROUP) Very stiff brown with light bluish grey mottling silty CLAY with fine and medium gravel sized calcareous mudstone nodules. (LAMBETH GROUP) END OF EXPLORATORY HOLE	Detail	Depth, Level (Thickness) X (1.70) X (1.70) -2.49 X X (21.00) -2.49 X X (2.70) X (2.70) X 23.70 -5.19 (0.30) 24.00 24.00 -5.49	Legend Backfill
Croundwater Fister							
Groundwater Entries No. Depth Strike	m) Remarks	rovistions I-	Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks		Hard Boring Depths (m) Du	uration (mins) Tools used
Notes: For explanation see Key to Explorator	or symbols and abb Hole Records. All de	reviations Project epths and	Cer	tral Somers Town, London		Borehole	
reduced levels in metr brackets in depth colu Scale 1:50	es. Stratum thickness nn. (c) ESG ww	s given in w.esg.co.uk Carried	No. D50 out for Lor	61-15 don Borough of Camden		E sr	3H8 heet 3 of 3



Drilled GW	Start	Equipment, Methods and Rem	arks		Depth from to Di	ameter Casing Depth	Ground Level	18.77 mOD
Logged EP	18/12/2015	Dando 2000 Hand dug pit to 1 00m. Cable pe	rcussion drillin	a from 1	(m) (m) 0.00 25.00	(mm) (m) 200 3.30	Coordinates (m)	E 529872.85
Checked MM	End	land dug pit to 1.00m, cable pe		g nom n	001110 2011.		National Grid	N 183126.44
Approved SW	22/12/2015							
Samples and	d Tests				Strata Description			
Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend Backfill
_			404045	0000	(MADE GROUND)	-		
-			0.00	0000	Brick concrete and flagstones (Driller's description)	=	-	
-							-	
-						-	-	
_			19/12/15	1900		-	(1.90)	
- 100 150	DE		0.00	Dry		-	-	
- 1.20 - 1.50 -	60		21/12/15	0800		-]	
- 1.50 - 1.95 - 1.50 - 1.95	SPTS D 6	N=43 (3,14/14,9,13,7)	0.00	Diy				
-							-	
– — 2.00 - 2.40	В7				WOOD		1.90 (0.10) +16.87 2.00 (0.10) +16.77	
-					(Driller's description) (MADE GROUND) Brown sandy clayey GRAVEL		-	
– – 2.40 - 2.70	В 8				with high cobble content. Gravel is subangular to angular fine to coarse of brick and concrete		(0.70)	
- 2.70	D.0				Cobbles are of concrete and brick.		270 +16.07	
2.70	B 10				Firm becoming stiff brown CLAY with rare pockets of orange fine sand. (LONDON CLAY	-	2.70 +10.07	E=3 1/1/
_					FORMATION)		-	F==1 (X/
-			21/12/15	1800			-	F1 ///
– — 3.50 - 3.95	U 11	14 blows 100% rec	3.30 3.20	Dry Dry			-	E-I-I K.K.
-			22/12/15 3.30	0800 Dry		-	-	E-=-1 ///
- 4.00	D 12					-	-	E-=-1 1/1/
4.00 	DIZ						-	F
_ 4.25 _	D 13						-	F_=_7 / //
- 4.50 - 4.95 - 4.50 - 4.95	SPTS D 14	N=14 (1,2/2,3,4,5)	3.20				-	
-						-	-	
-							-	
-						-	(4.80)	F [.].
-	D.45					-	-	
- 5.50 -	D 15					-	-	
-							-	
6.00 - 6.45 	U 16	22 blows 100% rec	3.20	Dry			-	
-						-	-	$F_{-}=$
_							-	
-						-	-	
_ 	D 17					-		
- 7.10 - 7.40	D 18					7.10-7.40 Very weak -	-	2 2
-						claystone	-	
	SPTS D 19	N=16 (1,2/3,3,5,5)	3.20		Stiff brownish grey CLAY with rare silt infilled		- 7.50 +11.27	
-					burrows. (LONDON CLAY FORMATION)	-	-	F===1 K / ,
							-	F-I-1 / /
						-		E-2-1 //
- 8.50	D 20						-	E-=-1 //
-	5.20						4	E (/ / /
_						-	-	F_=_7
9.00 - 9.45 	U 21	20 blows 100% rec	3.20	Dry			(3.00)	F=3 //
E						-	1	E=1 //
9.50	D 22							1//
F							1	EEE (//
-								<u>F K / ,</u>
					From continues on next sneet			
Groundwater Entries No. Depth Strike	(m) Remarks		Depth Seal	ed (m)	Depth Related Remarks		Hard Boring	Duration (mine) Tools used
1 2.10 2 7.10	Rose to 1.90 Seepage	m after 20 minutes. Fast		2.70	(ii) (iii)		1.00 - 1.20	90 Chisel
							7.10 - 7.40	45 Chisel
Notes: For evplanatio	of symbole and			Con	tral Somers Town London		Borebole	
see Key to Explorator reduced levels in met	y Hole Records. A	Il depths and ness given in		Cell			20101010	BUO
brackets in depth colu	mn.		No.	D50	61-15			рца
Scale 1:50	(C) ESG 03/0	5/2016 11:43:42 Carried	out for	Lon	don Borough of Camden		1	Sheet 1 of 3



Dri	illed GW	Start	Equipment, Methods and Ren	narks		Depth from to D	ameter Casing Depth	Ground Level		18.77 mOD
Lo	gged EP	18/12/2015	Dando 2000			(m) (m) 0.00 25.00	(mm) (m) 200 3.30	Coordinates (m)		E 529872.85
Ch	ecked MM	End	Hand dug pit to 1.00m, Cable p	ercussion drilli	ng from 1	.00m to 25m.		National Grid		N 183126.44
Ap	proved SW	22/12/2015								
S	amples and	d Tests				Strata Description				
Ē	Denth	Tune 8 M	Basarda	Date	Time	Main	Detail	Depth, Level	Legend	Backfill
L	10.00		o Recolus	Casing	Water	intaini 	Detail	(Thickness)		
F	10.00	D 23						-		
E							-	-]	
F	10.50 - 10.95 10.50 - 10.95	SPTS D 24	N=20 (2,2/4,5,5,6)	3.20		Stiff to very stiff brownish grey silty CLAY with rare	1 -	10.50 +8.27	××	
E						light grey silt infilled burrows. (LONDON CLAY FORMATION)	-		<u>×_×</u> _	
E								-		
È							-		<u> </u>	
E							-		××	
F	11.50	D 25							××	
E									×	
E	12.00 - 12.45	U 26	24 blows 100% rec	3.20	Drv			-	×_×_	
E				-	,		-			
E							-		<u> </u>	
	12.50	D 27							××	
E									××	
L	13.00	D 28							×	
E									×_×_	
E										
F	13.50 - 13.95	D 29							<u> </u>	
E							-		××	
_	13.95 - 14.40	SPTS	N=26 (2,4/6,6,7,7)	3.20					××	
E									×	
E								-	<u>×_×</u> _	
F	14.50	D 30								
E							-		<u> </u>	
Ŀ	15.00 - 15.45	11.31	28 blows 100% rec	3 20	Dov		-		××	
E	10.00 - 10.40	0.51	20 01003 100 /0 160	5.20	Diy			(9.10)	××	
E							-		×	
F	15.50	D 32							×_×_	
E									$\nabla \times \hat{-}$	
F	16.00	D 33					_		<u> </u>	
E	10.00	D 33					-		××	
E							-		××	
	16.50 - 16.95 16.50 - 16.95	SPTS	N=27 (3,5/6,7,7,7)	3.20					××	
E	10.50 - 10.55	0.04							×	
Ŀ										
E									<u> </u>	
E									××	
F	17.50	D 35							××	
E									××	
_	18 00 - 18 45	U 36	35 blows 100% rec	3 20	Drv				×	
E	10.00 10.10	0.00		0.20	5.9				<u> </u>	
F									\square \times \square	
F	18.50	D 37							<u> </u>	
E									××	
L	19.00	D 38							××	
E	10.00	0.00							×	
E							-		×_×_	
F	19.50 - 19.95 19.50 - 19.95	SPTS	N=55 (5,7/9,14,16,16)	3.20				19.60 -0.83		
E	19.50 - 19.95	D 39				Very stiff brownish red mottled bluish grey CLAY.		19.00 -0.03		
F							-			
						Hole continues on next sheet				
Gro	oundwater Entries					Depth Related Remarks		Hard Boring		
N	lo. Depth Strike	(m) Remarks		Depth Sea	led (m)	Depths (m) Remarks		Depths (m)	Duration (mi	ns) Tools used
1										
1										
No	tes: For explanation	n of symbole and	abbreviations	t	Cor	tral Somers Town, London		Borehole		
see	e Key to Explorator	y Hole Records.	All depths and	•	001			Borchole	B 116	
bra	ckets in depth colu	mn.		t No.	D50	61-15			BH9	
s	cale 1:50	(c) ESO	G www.esg.co.uk	d out for	Lon	don Borough of Camden			Sheet 2 of 3	



Drilled GW	Start E	quipment, Methods and Rem	arks	Depth from to Di	ameter Casing Depth	Ground Level	18.77 mOD
Logged EP	18/12/2015 D	ando 2000		(m) (m) 0.00 25.00	(mm) (m) 200 3.30	Coordinates (m)	E 529872.85
Checked MM	End	land dug pit to 1.00m, Cable pe	rcussion drilling from 1	.00m to 25m.		National Grid	N 183126.44
Approved SW	22/12/2015						
Samples and	Tests			Strata Description		1	
Denth	Type & No	Records	Date Time	Main	Detail	Depth, Level	Legend Backfill
	Type a no	Records	Casing Water	mani	Detail	(Thickness)	
-						-	F=7 //
F						-	E-I-1 (//
— 20.50 —	D 40				-	-	t- <u>-</u> -1
F					-	-	F / / /
– — 21.00 - 21.45	U 41	41 blows 100% rec	3.20 Dry			-	E=1 //
F					-	-	ETT (//
F					-	-	┝──┤ ╎ / /
21.50 -	D 42				-	-	F===1 //
F						-	E-E-1 / /
- 22.00	D 43				-	(4.90)	┝_──┤
-					-	(1.00)	F_=_1
-	0.570	50 // 7//0 /0 00 /			-	-	EII //.
- 22.50 - 22.88 - 22.50 - 22.95	D 44	50 (4,7/10,18,22 for 75mm)	3.20		-	-	EEH 1/ /
-					-	-	F== 1 / /
F					-		F-I-1
F					-	-	E-E-1 / / .
-	5.45				-	-	F / / /
23.50 	D 45				-		F_=_1
-					-	-	
24.00 - 24.35	U 46	80 blows 77% rec	3.20 Dry		_	-	
-					-	-	F==1 //
- 24.40	D 47				-	04.50 5.70	E-E-E //
F				Very stiff brown mottled bluish grey gravelly CLAY.] -	- 24.50 -5.73	
			22/12/15 1800	calcrete. (LAMBETH GROUP)	-	(0.50)	FII //
25.00	D 48		5.30 Diy	END OF EXPLORATORY HOLE		25.00 -6.23	
_					-		
-					-		
_						_	
-						-	
-						-	
E .					-	-	
E .						-	
-						-	
-					-	-	
-						-	
-						-	
-						-	
F					-	-	
F					-	-	
F					-	-	
F					-		
F							
-					-	-	
_					-	-	
E					-	_	
E						_	
F							
E					-		
-							
Groundwater Entries No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks		Hard Boring	Duration (mine) Table was t
	,					Debuis (iii)	Stration (mins) roots used
Notes: For explanation see Key to Exploratory	of symbols and a Hole Records. All	bbreviations Project depths and	Cer	tral Somers Town, London		Borehole	
reduced levels in metro brackets in depth column	es. Stratum thicknown.	ess given in Project	No. D50	61-15			BH9
Scale 1:50	(c) ESG	www.esg.co.uk	out for Lor	don Borough of Camden			Sheet 3 of 3



Drilled GW	Start	Equipment, Methods and R/	emarks		Depth from to Dia	ameter Casing Depth	Ground Level		18.57 mOD
Logged EP	04/01/2016	Dando 2000	and the second s	- from 1	(m) (m) (0.00 30.30	(mm) (m) 200 2.80	Coordinates (m)	E	E 529881.14
Checked MM	End	Hand dug pit to 1.20m, Gable	percussion amm	19 II 0111 1.			National Grid	Ν	V 183138.30
Approved SW	06/01/2016								
Samples an	d Tests	 	Data	Time	Strata Description				
Depth	Type & N	lo Records	Casing	Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
-			04/01/16	0800	(MADE GROUND) Dark brown clayey sandy	-	-		°. 4 '0 '
				Dry	subangular to angular fine to coarse of brick and		-		 } ·
-				,	concrete. Sand is fine to coarse. Cobbles are angular of concrete.				YИ
				,			(1.40)		ИZ
_				,					1/1/
E				,]		ľX,
1.40	D 5			,			1.40 +17.17	, .	YИ.
- 1.50 - 1.95 - 1.50 - 1.95	SPTS D 6	N=18 (2,2/4,4,5,5)	0.00	Dry	(MADE GROUND) Firm to stiff brown mottled orange slightly gravelly CLAY. Gravel is angular to				NX
-				,	subangular fine to coarse of flint and brick.		(0.85)		IXV
-			04/01/16	1900	occasional sleepers). Slight hydrocarbon odour.	_	(0.00)		ľΧ,
- 0.05			04/01/16 2.25	1800 Dry		-			Ч¥.
Z.20	107		05/01/16	0800	Firm to stiff brown mottled grey CLAY. (LONDON	1 -	2.25 +10.52		VX
— 2.50 - 2.95 —	U 8	27 blows 100% rec	2.25	Dry	CLATTONWATION.	-	-	[XV
F				1		-	-	[]	ľΧ,
- 3.00	D 9			1		3.00-3.05 Weak	-	<u>L</u>	YИ
- 2.25	D 10			1		light brown	•	F	NY
<u>0.20</u>				,		-	-	F	IXV
- 3.50 - 3.95 - 3.50 - 3.95	SPTS D 11	N=14 (1,2/3,3,4,4)	2.80	Dry		-	(2.75)	EE	ľΧ,
-				,		3.70-3.75 Weak		[- <u>-</u> -	YИ
E_				1		claystone.		[]	NY
4 25	D 12			,				L	IXV
4.20 				,			-	F	ľX
— 4.50 - 4.95 —	U 13	20 blows 100% rec	2.80	Dry		-	-		КЖ
Ł				,		-	_		NY
5.00	D 14			,			- 5 00 +13.57	,	1/1/
E	-			,	Stiff brown mottled orange CLAY with tine sand partings and rare fine gravel sized gypsum] _	0.00	[]	ľИ,
E				ľ	crystals. (LONDON CLAY FORMATION).	_		<u> </u>]	- KIX
5.50	D 15			ľ		_	(1.00)	F	NZ
Ł				ľ			_		1/1/
6.00 - 6.45	SPTS	N=16 (1.2/3.4,4,5)	2.80	Dry			6 nn +12.57		ľИ,
6.00 - 6.45	D 16	10 10 x 10 x 1 x 1 x		1	Stiff to very stiff dark greyish brown CLAY with rare arev silt infilled burrows (<1mm x 4mm) and	-		<u>⊢−−−</u>	ЧX
È				ľ	rare fine gravel sized pockets of black silt.	-	-	F	NZ
F				,	(LONDON CLATTONIATION).		-	L1	171/
E				ľ		-	-	<u> </u>	ľ X,
7.00	D 17			,		_	-	F	КЖ
- -				,		-	•		NX
È				,			-		171/
7.50 - 7.95	U 18	22 blows 100% rec	2.80	Dry			-	F	ľ¥,
t i				,		-	-	[]	КЖ
8.00	D 19			,			-	L	NY
È				,			-	F	X
E				,			-		ľΧ,
8.50	D 20			,		-	-		K
t i				,			-	[]	NX
9.00 - 9.45	SPTS	N=19 (2,3/4,5,5,5)	2.80	Dry			-	[]	X
9.00 - 9.45	D 21	,		,			-	L1	ľΧ,
Ł				,		-	-	F	V W
				1		-	•	F	NZ
È i i				1			(7 70)		X
- 			_	'	Hole continues on next sheet		(1.10)		_К И
				'	HUE CONTINUES OF HEAL SPECE				
Groundwater Entries No. Depth Strike	e (m) Remarks		Depth Sea	aled (m)	Depth Related Remarks		Hard Boring	Duration (mins)	Tools used
	• •			1			Doputo (,	Duration (,	10010 40.2.2
1				1					
Notes: For explanation	on of symbols an	nd abbreviations Proje	ect	Cer	tral Somers Town, London		Borehole		
see Key to Explorator reduced levels in me	ry Hole Records. tres. Stratum thic	All depths and ckness given in							
brackets in depth con	umn. (c) ES		ct No.	L SU	81-15			DEITA	
Scale 1.50	(0/	G www.esg.co.uk Carry	ed out for	Lop	don Borough of Camden			Sheet 1 of 4	



Dri	illed GW	Start	Equipm	nent, Methods and Rema	arks		Depth from to Diar	meter Casing Depth	Ground Level		18.57 mOD
Lo	gged EP	04/01/2016	Dando 2 Hand dr	2000 Jug pit to 1.20m, Cable per	rcussion drilling fr	om 1	(111) (111) (11 0.00 30.30 20m to 30.30m.	nm) (111) 200 2.80	Coordinates (m)		E 529881.14
Ch	ecked MM	End							National Grid		N 183138.30
Ap Q	proved SW	06/01/2016				_	Strate Description				
5	ampies and				Date	l ime		2-1-"	Depth, Level	Legend	Backfill
L	10.00		.io	Records	Casing V	Vater	Main	Detail	(Thickness)		
F	10.00	U 22						-		F-I-]	
F	40.50 40.05	11.00	2	- 1009/ 100				-		F	
Ē	10.50 - 10.95	U 23	20	5 blows 100% rec	2.80	Dry				<u> </u>	ľXZ
E								_			- КИ,
E	11.00	D 24						I		F	AZ
Ē								_		F]	
E	11.50	D 25						_			- [X /
F								=			ľX/
F								-			- КИ.
F	12.00 - 12.45 12.00 - 12.45	SPTS D 26	N=	=24 (2,5/5,6,6,7)	2.80	Dry		-		F	NZ
F								-		F-I-1	
F								_		E- <u>-</u>]	Γ.A.Z
E								_			ľΧ,
E	- 13.00	D 27						I _		F	- KK.
F								_		F	MZ
F								=			
F	13.50 - 13.95	U 28	28	3 blows 100% rec	2.80	Dry		_			ľ X/
F							Very stiff dark brownish grey silty CLAY with rare	=	13.70 +4.87	<u>×</u> ^	ΥX,
F	14.00	D 29					grey silt infilled burrows (<1mm x 4mm). (LONDON CLAY FORMATION)	I		××	
F								-		<u> </u>	
F.	11 50	- 30				1				×	- [X] /
F	14.50	L) 3U				1		-		×_×_×	ľ X/
E						1		_		×_×_	- KK
Ē	15.00 - 15.45	SPTS	N=	=28 (2,3/5,6,8,9)	2.80	Dry					ИИ
E	15.00 - 15.45	0.31						I _			X /
E								I _	ļ		
F								_		××	- КИ,
F								_	ļ	<u> </u>	ЛX
F	16.00	D 32				ļ		I –		×	
F						ļ		_		×_×_	- [X /
F	16.50 - 16.95	U 33	30	0 blows	2.80	Dry		I _			ľX/
F						ļ		–	(6,10)		- КИ.
F_	47.00	D 24				ļ		I _	(,		ЛX
E	17.00	0.54						I _			
F						ļ		_			- [X /
F	17.50	D 35						_		××	ĽX,
F						ļ		_		<u> </u>	- KK
F	18.00 - 18.45	SPTS	N=	=36 (3.5/6,9,10,11)	2.80	Dry		I		×	ИΖ
F	18.00 - 18.45	D 36						_		×_×_	
F								-			ľ X/
F								-			EK.
F								7		$\hat{\Box} \times \underline{\Box}$	
F	19.00	D 37						- -			
F								_		××	Γ.A.
E	10 50 10 05	11.38	3'	0 Haura	2.00	201		-		<u> </u>	ГИ,
E	19.00 - 19.00	0.00	02	2 DIOWS	2.00	Dry		I _		×	
F							Very stiff becoming hard brownish red mottled	_	19.80 -1.23		NX
\vdash			+			-	Hole continues on next sheet				<u> </u>
Gr	oundwater Entries				<u> </u>	_	Ponth Dalatad Damarke		Hard Boring		
N	lo. Depth Strike ((m) Remarks			Depth Sealed (m)	Depth Related Remarks		Depths (m)	Duration (min	is) Tools used
						ļ					
No ser	tes: For explanation e Kev to Explorator	n of symbols and v Hole Records.	d abbrevia All depth	ations Project		Cen	ral Somers Town, London		Borehole		
red bra	luced levels in metr ackets in depth colu	es. Stratum thic	kness giv	/en in Project	No.	D50	31-15			BH10	
s	Scale 1:50	(c) ES	G www.es	ag.co.uk	out for	Lon	Jon Borough of Camden			Sheet 2 of 4	



Dri	illed GW	Start	Equipment, Methods and F	Remarks			Depth from	to Dia	ameter	Casing Depth	Ground Level		18.57 mOD
Lo	ogged EP	04/01/2016	Dando 2000	1			(m) 0.00	(m) (30.30	mm) 200	(m) 2.80	Coordinates (m)		E 529881.14
Ch	necked MM	End	Hand dug pit to 1.20m, Cabl	e percussion drilli	ing from 1.	20m to 30.30m.					National Grid		N 183138.30
Ap	proved SW	06/01/2016											
s	amples and	d Tests				Strata Descriptio	on						
F	Denth	Type & N	o Records	Date	Time		Main			Dotail	Depth, Level	Legend	Backfill
L	20.00	D 39		Casing	Water	bluich arov CLAY	mann			Dota.	(Thickness)		
F	20.00	D 00				(LAMBETH GROUP)				-	-	F	МИ
F	_									-		E	X
F	20.50	D 40								-		L]	ГX,
F										-		F	- KIX
E	- 21.00 - 21.45	SPTS	N=31 (4,4/6,7,9,9)	2.80	Dry					_	4		- [4]2
È.	21.00 - 21.45	D 41								-	4		·
È										-	4	F	
F										-		[]	
È.										-	4	L]	
E	- 22.00	D 42								_	4	F	
F										-		F	. ↓
F					_					-			• <u>·</u>
F	22.50 - 22.95	U 43	47 blows	2.80	Dry					-	-	<u>⊢</u>	
F										-		[]	
F	- 23.00	D 44								_		E1	• •
È.										-		F	
F										-	-	F	. .
F	23.50	D 45								-	-		•
È.										-		<u>⊢</u>	
F	- 24.00 - 24.45	SPTS	N=45 (4,8/10,10,11,14)) 2.80	Dry					_		F]	
F	24.00 - 24.45	D 46								-	-	E1	• ·
F										-		F	
F										-		F	
F				05/01/16	1800					-		EET	• .
F	- 25.00	D 47		2.80	Dry					_	(10.50)	F	 • • .
F	20.00			06/01/16 2.80	0800 Drv					-	(10.50)	E-I-1	 • _ •
E					,					-		L]	
F	25.50 - 25.95	U 48	41 blows	2.80	Dry							F	. .
F										-		F]	•
E	- 26.00	D 49								_		EEH	• <u> </u> *
E	20.00									-		F	
F										-		[]	
F	26.50	D 50								-		L1	
E										-		F	[] .
L	- 27 00 - 27,45	SPTS	N=47 (3.5/8.10.12.17)	2.80	Drv					_		F	[_ • •
E	27.00 - 27.45	D 51								_			
E										-		<u>⊢</u>	
F										-		[]	,
F										-		L1	
F	- 28.00	D 52								_		<u> </u>	
F										-		F_{+}	
F										-		$\models = \downarrow$	·
F	28.50 - 28.95	U 53	53 blows	2.80	Dry								
F										_		F	
F	- 29.00	D 54								_		E1	
F	20.00									-		F	
F										-		F	
E	29.50	D 55								-			
E										-			
F											-		
_						Hole continu	es on next sheet						
Gro N	oundwater Entries	(m) Remarks		Depth Sea	aled (m)	Depth Related Remarks Depths (m) Remarks					Hard Boring Depths (m)	Duration (mir	ns) Tools used
L													
No sei	tes: For explanation e Key to Explorator	n of symbols and y Hole Records.	All depths and	ject	Cen	tral Somers Town, London					Borehole		
bra	ackets in depth colu	imn.	Pro	ject No.	D50	61-15						BH10	
<i>ر</i>	4·50	(c) ES0	G www.esg.co.uk	ried out for	Lon	don Borough of Comdon							



Drilled GW	Start	Equipment, Methods and Rema	arks		Depth from to	Diameter Casing Depth	Ground Level	18.57 mOD
Logged EP	04/01/2016	Dando 2000 Hand dug pit to 1 20m. Cable per	rcussion drilling from	20m to 30 30m	(m) (m) 0.00 30.30	(mm) (m) 200 2.80	Coordinates (m)	E 529881.14
Checked MM	End	riand dug pit to 1.2011, Cable per	reassion anning norm	1.2011 to 50.3011.			National Grid	N 183138.30
Approved SW	06/01/2016							
Samples and	l Tests			Strata Description	n			
Depth	Type & No	Records	Date Time	, M	ain	Detail	Depth, Level	Legend Backfill
			Casing wate				(THICKNESS)	
- 30.30 - 30.69	SDIC	50 (5 8/12 16 16 6 for	06/01/16 1800 2.80 Dry					
	D 56	19mm)	2.80 Dry	END OF EXPLO	DRATORY HOLE	-	-	
_						-	-	
_							-	
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-							-	
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E_						-		
E .						-	-	
E .						-	-	
-							-	
-						-	-	
Groundwater Entries No. Depth Strike	m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used
Notes: For explanation	of symbols and	abbreviations Project	Ce	ntral Somers Town, London			Borehole	
see Key to Explorator reduced levels in metr	Hole Records. A es. Stratum thick	All depths and ness given in	Na	004.45				BH10
brackets in depth colu	mn.		NO. D5	ub1-15				
Scale 1:50	(0) 200	05/2016 11:43:43	out for LO	nuon borougn of Camden			1	Sneet 4 of 4



Logged TO Checked MM	Start 24/11/2015 End	Equipment, Methods and Rei JCB 3CX Machine excavated trial pit fror Terminated at 2.20m due to co	marks n GL to 2.20m. ncrete obstruction.	Dimension and Orientation	3 → 56 (Dea)	Ground Level Coordinates (m) National Grid		19.66 mOD E 529825.13 N 183181.90
Approved SW	24/11/2015			,				
Samples and	d Tests		Strata Description			Dopth Loval	Logond	Bookfill
Depth 	Type & No	Records	Main (TOPSOIL) Brown slightly clayey slightly gravelly fine to co occasional rootlets. Gravel is angular to subar brick, fint and sandstone.	parse SAND with ngular, fine to coarse of	Detail - - -	(Thickness)		
- 0.30 - 0.30 - 1.30 -	ES1 B4	4 samples taken	(MADE GROUND) Brown gravelly fine to coar cobble content and occasional boulders. Grav	se SAND with medium el is angular to subangular,	-	0.30 +19.36		
- 0.50 - 0.50 	D5 ES2	4 samples taken	the to coarse of finit, brick, concrete and sand of brick and concrete. Boulders are angular of metal and wood fragments.	stone. Coobles are angular concrete. Occasional				
- 1.00 - 1.00 	D6 ES3	4 samples taken				(1.90)		
	D8 ES7	4 samples taken						
	D10					2.20 +17.46		
Groundwater Entries No. Depth Strike (m)	Remarks		Remarks Depths (m) Remarks				ble	
Notes: For explanatio see Key to Explorator reduced levels in met brackets in depth colu Scale 1:25	n of symbols and y Hole Records. A res. Stratum thick imn. (c) ESG	appreviations All depths and ness given in Groww.esg.co.uk	Project Central Somers Town, London Project No. D5061-15 Carried out for London Borough of Camden			Borenole	TP4 Sheet 1 of 1	



	Start E	Equipment, Methods and Rei	marks	Dimension and Orientation		Ground Level		19.52 mOD	
Logged TO	24/11/2015 ^J	ICB 3CX		А		Coordinates (m)		E 529862.48	
Checked MM	End T	Machine excavated trial pit from Frial pit terminated at 1.80m du	n GL to 1.80m. e to concrete obstruction.	Width 0.70 m	B - 76 (Deg)	National Grid		N 183128.37	
Approved SW	24/11/2015			Length 2.20 m C	► 70 (Deg)			11 100 120.07	
Samples on			Strata Description						
Samples and	u iesis	1	Strata Description			Donth Loval	Logond	Paakfill	
Depth	Type & No	Records	Main		Detail	(Thickness)	Legenu	Dackilli	
Logged TO Checked MM Approved SW Samples and Depth 0.30 - 1.00 0.50 0.50 1.00 1.00 1.00 1.00 1.00	24/11/2015 End 24/11/2015 d Tests Type & No ES1 B4 D5 ES2 D6 ES3 B8 D9 ES7 D10	ICB 3CX Vachine excavated trial pit fron rial pit terminated at 1.80m du Records 4 samples taken 4 samples taken 4 samples taken 4 samples taken	n GL to 1.80m. le to concrete obstruction. Strata Description Main (TOPSOIL) Brown slightly clayey fine to coarse SAND with (MADE GROUND) Brown sandy gravelly CLA content and occasional boulders. Gravel is an coarse of brick, concrete, flint and sandstone. brick and concrete. Boulders are angular of cc glass, metal (including reinforcement bars) an END OF EXPLORATORY	Width 0.70 m D A	B → 76 (Deg)	Coordinates (m) National Grid	Legend	E 529862.48 N 183128.37	
						1			
Groundwater Entries		L	Remarks						
No. Depth Strike (m)	Remarks		remarks Depths (m) Remarks				Stability Stable Shoring None Weather Dry		
Notes: For explanatio	n of symbols and a	abbreviations	Project Central Somers Town, London			Borehole			
reduced levels in met	res. Stratum thickn	ess given in	DENCA 45				TP5		
brackets in depth colu Scale 1:25	IMN. (c) ESG 03/05	www.esg.co.uk	Project No. D5061-15 Carried out for London Borough of Camden	Sheet 1 of 1					



	Start	Equipment, Methods and Re	marks	Dimension and Orientation		Ground Level		21.06 mOD
Logged TO	03/12/2015	Hand tools		А		Coordinates (m)		E 529628.63
Checked MM	End	Hand excavated trial pit from G Terminated at 0.30m due to co	GL to 0.30m. ncrete obstruction.	Width	в	National Grid		N 183162.04
Approved SW	03/12/2015			Length C	•			
Samples an	d Toete		Strata Description					
Samples and	u Tests					Dopth Loval	Logond	Rockfill
Depth	Type & No	Records	Main		Detail	(Thickness)	Legenu	Backilli
-			(MADE GROUND)		-	(0.10)	전문화	
-			(MADE GROUND) Brown slightly gravelly fine	to coarse SAND. Gravel is	1 –	0.10 +20.96		
_			angular to subrounded, fine to coarse of flint a	nd sandstone.	-	(0.20)		
_			END OF EXPLORATOR	(HOLE		0.30 +20.76	*****	
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Groundwater Entries	Pemarke		Remarks			04 J W		
	. comanto		Depths (m) Remarks			Stability Stat	JIC .	
						Shoring N/A		
						Weather Clou	ıdy	
Notes: For explanatio	n of symbols and	abbreviations	Project Central Somers Town, London			Borehole		
reduced levels in met	y Hole Records. / res. Stratum thick	ness given in					HP2	
prackets in depth colu	JMN.	AGS	Project No. D5061-15				1164	
Scale 1:25	03/	05/2016 11:45:40	Carried out for London Borough of Camden				Sheet 1 of 1	



	Start E	quipment, Methods and Rei	narks	Dimension and Orientation		Ground Level		21.09 mOD
Logged TO	02/12/2015 H	land tools		۵		Coordinates (m)		E 529670.66
Checked MM	End F	land excavated trial pit from G	L to 1.20m.	Width 0.40 m	B - 407 (D)	National Grid		N 183187 02
Approved SW	02/12/2015			Length 0.50 m C	127 (Deg)			
Sompleo on	d Tooto		Strata Description					
Samples and			Strata Description			Denth Level	Legend	Backfill
Depth	Type & No	Records	Main		Detail	(Thickness)	Legend	Dackini
-			(MADE GROUND)		-	(0.10)		
-			(MADE GROUND) Brown gravelly fine to coar	se SAND with low cobble	1 –	0.10 +20.99		
-			content. Gravel is angular to subangular, fine t	o coarse of brick and	-			
_			concrete. Cobbles are angular of brick.					
-					-			
-						-		
-						(1.10)		
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			END OF EXPLORATORY	/ HOLE		1.20 +19.89		
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Groundwater Entries No. Depth Strike (m)	Remarks		Remarks Depths (m) Remarks			Stability Stab	le	
						Shoring Non	e	
Natas Francis 1	n of our-h-t	here viction -	Decident October 7			Weather Sun	ny	
see Key to Explorator	ry Hole Records. Al	l depths and	Project Central Somers Town, London			Dorenolê		
brackets in depth colu	ires. Stratum thickn umn.	ess given in	Project No. D5061-15				HP3	
Scale 1:25	(c) ESG 03/05			Sheet 1 of 1				



Drilled BM/AM	Start	Equipment, Methods and Rema	ırks		Depth from to Di	ameter Casing Depth	Ground Level	21.11 mOD
Logged EP	24/11/2015	Hand tools Hand dug inspection pit from GL	to 0.30m.		(m) (m) 0.00 0.30	(mm) (m) 283	Coordinates (m)	E 529661.28
Checked MM	End	Hole terminated at 0.30m due to	limits of the breaker.				National Grid	N 183180.07
Approved SW	24/11/2015							
Samples and	Tests			Strata Description				
Depth	Type & No	Records	Date Time Casing Water	Ма	in	Detail	Depth, Level (Thickness)	Legend Backfill
_				(MADE GROUND)			0.10 (0.10) +21.01	
-				MACADAM. Strong grey CONCRETE.	70% matrix. 30% flint	==	(0.20) 0.30 +20.81	
-				Aggregate.		/ _		
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No. Depth Strike (n) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used
Notes: For explanation see Key to Exploratory	of symbols and Hole Records	abbreviations Project All depths and	Cen	tral Somers Town, London			Borehole	
reduced levels in metre brackets in depth colur	es. Stratum thick	ness given in Project	No. D50	61-15				WS2
Scale 1:50	(c) ES0	S www.esg.co.uk AGS Carried	out for Lon	don Borough of Camden				Sheet 1 of 1



Drilled GV	Start E	Equipment, Methods and Rema	arks		Depth from to D	iameter Casing Depth	Ground Level	21.15 mOD
Logged TO	24/11/2015				(m) (m) 1.20 2.20	(mm) (m) 101	Coordinates (m)	E 529679.72
Checked MM	End H	Hand dug inspection pit from GL Hole terminated at 4.20m during	to1.20m. Window sam SPT due to refusal.	pling from 1.20m to 4.20m.	2.20 4.20	87	National Grid	N 183184.48
Approved SW	24/11/2015							
Samples and	Tests			Strata Descriptio	n			
Denth	Turne 8 No.	Deserves	Date Time			Detail	Depth, Level	Legend Backfill
Depth	туре & NO	Records	Casing Water		lam	Detail	(Thickness)	
_				(MADE GROUND)		1 =	0.10 ^(0.10) +21.05	
- 0.30 - 0.30 - 1.20	ES 1 B 4	4 samples taken		Brown sandy angular to	subangular, fine to coarse		(0.60)	
0.50	ES 2	4 samples taken		cobble content. Frequen	t pieces of wood and			
-				porcelain. Sand is fine to angular of brick	coarse. Cobbles are		0.70 +20.45	
- 1.00	ES 3	4 samples taken		(MADE GROUND)		/	(0.50)	
- 1 20 - 1 65	SPTS	N=5 (0 0/1 1 2 1)		Brown sandy gravelly Cl coarse. Gravel is angula	_AY. Sand is fine to r to subangular, fine to		1 20 +19 95	
1.20	D 5	11-0 (0,0/1,1,2,1)		coarse of brick, concrete	and flint.	1 =	1.20 10.00	
1.50	D 6			Brown slightly sandy gra	velly CLAY. Sand is fine			
-				to medium, gravel is and medium of brick and flint	ular to subangular, fine to			
- 2.00	EQ 7	4 complex taken		medium of brick and him				
- 2.00	D 8					-		
	5715	N=9 (2,0/1,2,3,3)						
2.50	D 9					-	-	
F						-	(3.00)	₩₩₩₩ Y / /
F	E0.10	A nomelee tel:				-]	
- 3.00	ES 10	4 samples taken				-		
- 3.20 - 3.65 -	SPTS	N=9 (2,2/2,2,2,3)				=	1	
- 3.50	D 11					-		
-						-		
-						-		
-								
- 4.20 - 4.65 -	SPTS	N=30 (10,13/15,15,,)		END OF EXPL	ORATORY HOLE		4.20 +16.95	
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Groundwater Entries No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used
				1.20 - 2.00 0.60m recov 2.00 - 3.00 0.50m recov 3.00 - 4.00 0.40m recov	ery ery ery			
				0.401112000				
Notes: For explanation see Key to Exploratory	of symbols and a Hole Records. A	abbreviations Project Il depths and	Cer	tral Somers Town, London			Borehole	
reduced levels in metre brackets in depth colur	es. Stratum thickn	ess given in Project	No. D50	61-15				WS3
Scale 1:50	(c) ESG	www.esg.co.uk	out for Lon	don Borough of Camden				Sheet 1 of 1



Drilled GW	Start	Equipment, Methods and Rema	arks		Depth from	to	Diameter	Casing Depth	Ground Level		21.17 mOD
Logged TO	25/11/2015				(m) 1.20	(m) 3.20	(mm) 101	(m)	Coordinates (m)		E 529633.40
Checked MM	End	Hand dug inspection pit from GL	to1.20m. Window sam	pling from 1.20m to 7.65m.	3.20 5.20	5.20 6.20	87 77		National Grid		N 183144.21
Approved SW	25/11/2015				6.20	7.20	67				
Samples a	nd Tests			Strata Descriptio	n						
Campies a			Date Time	otrata Descriptio					Depth. Level	Legend	Backfill
Depth	Type & N	o Records	Casing Water		Main			Detail	(Thickness)		
$\begin{array}{c} 0.30\\ 0.30 - 1.20\\ 0.50\\ 1.00\\ 1.20 - 1.66\\ 1.20\\ 1.20\\ 2.20 - 2.65\\ 2.20 - 2.65\\ 2.20 - 2.65\\ 2.20\\ 2.20 - 2.65\\ 3.00\\ 3.20 - 3.65\\ 3.50\\ 4.00\\ 4.20 - 4.65\\ 4.50\\ 5.20 - 5.65\\ 5.50\\ 6.20 - 6.65\\ 6.20 - 6.65\\ 6.50\\ 7.00\\ $	ES 1 B4 ES 2 ES 3 SPTS D5 ES 7 D6 D8 SPTS D9 D10 SPTS D11 D12 SPTS D13 D14 SPTS D15 D16 SPTS D15 D16 SPTS D17 D18	4 samples taken 4 samples taken 1.20-2.00 0.70m recovery. N=4 (0,0/0,1,1,2) 4 samples taken 2.00-3.00 0.70m recovery. N=7 (0,1/2,1,2,2) 3.00-4.00 0.60m recovery. N=10 (2,2/2,2,3,3) 4.00-5.00 0.80m recovery. N=31 (7,7/6,8,7,10) 5.00-6.00 0.70m recovery. N=38 (8,9/9,8,10,11) 6.00-7.00 0.60m recovery. N=38 (9,9/10,11,9,8)	Casing Water	(MADE GROUND) Grass over brown slight SAND with occasional r (MADE GROUND) Brown gravelly fine to c cobble content. Gravel i fine to coarse of brick, c are angular of brick. Firm becoming stiff brow (LONDON CLAY FORM) Stiff brown mottled grey occasional angular to su gravel of siltstone. (LON	ly clayey fine to ootlets. oarse SAND wit is angular to sut concrete and fin vn mottled grey IATION)	coarse th low bangular, t. Cobbles silty CLAY.			(11) (0.20) +20.97 (1.00) +19.97 (2.30) +19.97 (2.30) +17.67 (4.15) (4.15)		
- - - - - - -				END OF EXPL	ORATORY HO	LE		- - - - - - - - - -	7.65 +13.52	××	
Groundwater Entr No. Depth Str 1 4.75	es ke (m) Remarks	abbreviations Project	Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks					Hard Boring Depths (m) Borehole	Duration (mi	ns) Tools used
see key to Explore reduced levels in t brackets in depth Scale 1:50	alory Hole Records. netres. Stratum thic column. (c) ES	An depths and kness given in G www.esg.co.uk	No. D50 out for Lon	161-15 Idon Borough of Camden						WS4 Sheet 1 of 1	



Drilled GW	Start	Equipment, Methods and Ren	narks		Depth from	to Di	ameter	Casing Depth	Ground Le	vel		20.68 mOD
Logged TO	25/11/2015	the developmention of from C	t tot 00m Window oon	"	(m) 1.20	(m) 2.20	(mm) 101	(m)	Coordinate	es (m)		E 529660.10
Checked MM	End	Hand dug inspection pit from GL	. to1.20m. Window Sami	pling from 1.20m to 4.20m.	2.20 4.20	4.20 6.20	87 77	I	National G	rid		N 183153.09
Approved SW	25/11/2015				6.20	7.20	67					I
Samples and	l Tests			Strata Description	on				1			
Depth	Type & No	Records	Date Time	1	Main			Detail	Depth, Le	evel	Legend	Backfill
	+			Grass over TOPSOIL.			<u></u>		0.10 (0.10)	+20.58		\neg
0.30	ES 1		'	(MADE GROUND) Brown slightly clayey sl	ightly gravelly fir	ne to		-	0.30 (0.20)	+20.38		
- 0.30 - 1.20 0.50	B 4 ES 2	4 samples taken 4 samples taken	'	coarse SAND with occa	isional rootlets. (Gravel is	Λ	_	1			
-		- oumproo tarter.	'	angular to subangular, i and concrete.	ine to coarse or	brick, fiint	/	-	- (0.00)			- [/ /
_			'	(MADE GROUND) Brown slightly sandy gr	evelly CLAY with	n low		-	(0.90)			ľ/,
1.00 	ES 3	4 samples taken	· ·	cobble content. Gravel	is angular to sub	angular,		-	1			
- 1.20 - 1.65 - 1.20	SPTS D 5	N=4 (0,0/1,1,1,1)	· ·	fine to coarse of brick, c fine to medium. Cobble	s are angular of	t. Sand is brick and)	-	- 1.20	+19.48		
È			· ·	(MADE GROUND)	-	/	/	_	(0.40)			
- 1.60 - 1.60	ES 7 D 6	4 samples taken	'	Brown mottled grey slig	htly gravelly silty	/ CLAY.	1	-	- 1.60	+19.08		× / /
-			'	Gravel is angular to sub brick and concrete.	angular, fine to	coarse of	/	-	-			- Y / ,
- 2.00	0.8		'	Firm locally stiff brown r	mottled grey silty	/ CLAY.		-	-		××	
- 2.20 - 2.65 -	SPTS	N=8 (0,1/2,2,2,2)	'		Anon)			-	(1.40)		××	
- 2.50	D 9		'					-	-		××	1//
-			'					-	-		××	- Y / ,
- 2.00	0.10		'					-		47 68	×_×_	
- 3.00	SPTS	N-12 (1 1/2 2 3 4)	'	Stiff brown mottled grey	CLAY. (LONDO	ON CLAY	1	-	- 3.00	+17.00		
	0110	N=13 (1, 1/3, 3, 5, -)	'					-	-			
	D 11		']		⊢	× / /
E			'					-	-		[]	
4.00	D 12		'					_	-		L1	
_ _ 4.20 - 4.65	SPTS	N=16 (2,2/3,4,4,5)	· ·					-	-		L]	
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4.50 	D 13		· ·					-	1		F	/
-			'					-	1			
- 5.00	D 14		· ·					_	-			
 5.20 - 5.65	SPTS	N=18 (2,3/4,5,4,5)	'					-	4		[]	
È			'					-	(4.65)		E- <u>-</u>]	
— 5.50 —	D 15		'					-	1		L	
-			'					-	-		F	
6.00	D 16		'					_	-		F	[//
- - 6.20 - 6.65	SPTS	N=18 (3,3/5,4,4,5)	'					-	-		$\models = \downarrow$	/
- - 6.50	D 17		'					_	-			
- 0.00			'					-	-		F	
E			'					-]		[]	
7.00	D 18		']		L1	
- 7.20 - 7.65	SPTS	N=24 (4,3/6,5,6,7)	'					-	-		<u>t</u>	Y
-			'					-	-		F	
F			'	FND OF EXPL	ORATORY HO		—		7.65	+13.03		
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Groundwater Entries	() Pomarks		Dooth Soaled (m)	Depth Related Remarks					Hard Borin	ng		
NO. Deput Surke	M) Remains		Depth Sealed (iii)	Depths (m) Remarks				I	Depths (m	1)	Duration (min	s) Tools used
			,					I				
Notes: For explanation see Key to Explorator	i of symbols and a y Hole Records. A	abbreviations Project	Cen	tral Somers Town, London				I	Borehole			
reduced levels in metro brackets in depth colu	es. Stratum thickr	ness given in Projec	t No. D5f	061-15				I			WS5	
Scale 1:50	(c) ESG	www.esg.co.uk	d out for Lor	ndon Borough of Camden				I			Sheet 1 of 1	



Drilled GW	Start Ec	quipment, Methods and Rema	urks	Depth from to	Diameter Casing Depth	Ground Level	20.72 mOD
Logged TO	25/11/2015			(m) (m)	(mm) (m)	Coordinates (m)	E 529674.16
Checked MM	End 2.2	and excavated inspection pit fro 20m.	m GL to 1.20m. Windo	ow sampling from 1.20m to		National Grid	N 183157.31
Approved SW	Te 25/11/2015	rminated at 2.20m due to conc	rete obstruction.				
Samples and	l Tests			Strata Description		1	
Denth	Type & No	Records	Date Time	Main	Detail	Depth, Level Legend	Backfill
	Type a no	Records	Casing Water		Detail	(Thickness)	
-						0.20 +20.52	
- 0.30 - 0.30 - 1.20	ES 1 B 4	4 samples taken		Brown mottled grey sandy gravelly CLAY with lo	w -		
— 0.50 —	ES 2	4 samples taken		cobble content. Gravel is angular to subangular, fine to coarse of brick flint and concrete with	-	(0.60)	
-				occasional pieces of metal and glass. Sand is fin	ie _	0.80 +19.92	
- 1.00	ES 3	4 samples taken		concrete.		(0.40)	
- - 1.20	D 5			(MADE GROUND)	-	1.20 +19.52	
-				medium cobble content. Gravel is angular to			
— 1.50 —	D 6			subangular, fine of brick and concrete. Sand is			
- 1.80	ES 7	4 samples taken		(MADE GROUND)		(1.00)	
-				coarse of brick and concrete. Sand is fine to	-		
_				coarse.		2.20 +18.52	
_				END OF EXPLORATORY HOLE	-	-	
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No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks 1.00 - 2.00 0.70m recovery		Hard Boring Depths (m) Duration (mi	ns) Tools used
Notes: For explanation	of symbols and ab	bbreviations Project	Cen	tral Somers Town, London		Borehole	
reduced levels in metro	es. Stratum thickne	ss given in		61_15		WSA	
Scale 1.50	(c) ESG w	ww.esg.co.uk AGS	out for Lon	don Borough of Camden		Chastd of d	
Julie 1.00	02/05/	2016 11:40:52				Sneet 1 of 1	



Drilled GW	Start Eq	uipment, Methods and Rema	irks	Depth from to Diam	eter Casing Depth	Ground Level	21.16 mOD
Logged TO	23/11/2015 Hai	nd tools	0.50	(m) (m) (mr	m) (m)	Coordinates (m)	E 529691.40
Checked MM	End Hai	nd dug inspection pit from GL f le terminated at 0.50m due to a	o 0.50m. asbestos.			National Grid	N 183166.57
Approved SW	23/11/2015						
Samples and	Tests			Strata Description			
Depth	Type & No	Bacarde	Date Time	Main	Dotail	Depth, Level	Legend Backfill
	Type & No	Records	Casing Water		Detail	(Thickness)	
-				(MADE GROUND)	-	0.10 (0.10) +21.06	
- 0.30 -	ES 1	4 samples taken		Brown gravelly fine to coarse SAND with occasional asbestos fragments. Gravel is angular	-	(0.40)	
- 0.50 -	ES 2	4 samples taken		to subangular, fine to coarse of brick, concrete,		0.50 +20.66	
-				END OF EXPLORATORY HOLE	-		
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Groundwater Entries No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks		Hard Boring Depths (m)	Duration (mins) Tools used
						/	
Notes: For explanation	of symbols and abb	previations Project	Cen	tral Somers Town, London		Borehole	
see Key to Exploratory reduced levels in metre	Hole Records. All des. Stratum thicknes	lepths and					W67
brackets in depth colur	nn.		No. D50	61-15			VV3/
Scale 1:50	(C) ESG W	Carried	out for Lon	con Borough of Camden			Sheet 1 of 1



Drilled GW	Start Equ	upment, Methods and Rema	rks		Depth from	to Dia	ameter Casing Depth	Ground Level		21.16 mOD
Logged TO	23/11/2015 Har	nd tools			(m)	(m) (mm) (m)	Coordinates (m)		E 529691.40
Checked MM	End Har	nd dug inspection pit from GL t e terminated at 0.57m due to a	o 0.57m. asbestos.					National Grid		N 183166.57
Approved SW	23/11/2015									
Samples and	Tests			Strata Description	1			1		
Banth	Ture 0 No	Describe	Date Time				Dete:	Depth, Level	Legend	Backfill
Depth	Type & No	Records	Casing Water	M	ain		Detail	(Thickness)	-	
-				Grass over TOPSOIL. (MADE GROUND)				0.10 ^(0.10) +21.06		
- 0.30	ES 1	4 samples taken		Brown gravelly fine to coa	arse SAND with	h		(0.47)		
0.50	ES 2	4 samples taken		subangular, fine to coarse	e of brick, conc	rete, flint,		0.57 +20.60		
				metal and glass.		/	-			
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Groundwater Entries No. Depth Strike (r	m) Remarks		Depth Sealed (m)	Depth Related Remarks				Hard Boring Depths (m)	Duration (min	s) Tools used
								Depuis (iii)		o, 10013 useu
Notes: For explanation see Key to Exploratory	of symbols and abb Hole Records. All d	reviations Project epths and	Cen	tral Somers Town, London				Borehole		
reduced levels in metre brackets in depth colum	es. Stratum thicknes	s given in Project I	No. D50	61-15				۱ I	WS7B	
Scale 1:50	(c) ESG ww	w.esg.co.uk	out for Lon	don Borough of Camden					Sheet 1 of 1	



Drilled GW	Start	Equipment, Methods and Rema	arks		Depth from to	Diameter Casing Depth	Ground Level	21.20 mOD
Logged TP	03/12/2015	Land avaguated inspection nit fro		and a sampling from 1 20m to	(m) (m) 1.20 2.20	(mm) (m)	Coordinates (m)	E 529643.14
Checked MM	End 7	7.65m.	In GE to 1.2011. Wind	ow sampling from 1.20m to	2.20 5.20 5.20 7.65	87 77	National Grid	N 183114.37
Approved SW	03/12/2015							
Samples and	l Tests			Strata Description	on 🛛			
Depth	Type & No	Records	Date Time Casing Wate	,	Main	Detail	Depth, Level (Thickness)	Legend Backfill
	+		Casing	(MADE GROUND)			0.10 (0.10) +21.10	
- 0.30	ES 1			MACADAM. (MADE GROUND)		_/	(0.50)	
- 0.30 - 1.20 - 0.50	B 4 ES 2	4 samples taken 4 samples taken		Brown slightly sandy gra	avelly CLAY with low	-	(0.00)	
F				fine to coarse of brick, o	concrete and sandstone.		0.60 +20.60	
È				Sand is fine to medium. metal and glass. Cobble	Occasional pieces of as are angular of concrete	e. / -	(0.40)	
	ES 3	4 samples taken		(MADE GROUND)	ishtly grovelly SAND with		1.00 +20.20	
- 1.20 - 1.65 - 1.20	D 5	1.20-2.00 0.64m recovery N=9 (0,3/3,2,2,2)		low cobble content. San	id is fine to coarse. Grave	el -	-	
- 1.50	ES 7			is angular to subangular and concrete. Cobbles	r, fine to coarse of brick are angular of brick and	-	-	
- 1.50 -	00	4 samples taken					(1.50)	
200	0.8	2 00-3 00 0 90m recovery		Loose dark brown slight	ly clayey gravelly fine to	_		
- 2.20 - 2.65	SPTS	N=4 (0 0/2 2.0.0)		fine to coarse of brick, c	angular to subangular, concrete and sandstone.	-	-	
-		11-7 (0,0,2,2,0,0)					-	
	D 10			Firm becoming stiff brow	vn mottled grey slightly		2.50 +18.70	
_ 2.60 _	ES 9	4 samples taken		sandy CLAY. Sand is tin (LONDON CLAY FORM	e to medium. IATION)	-	-	
- 3.00	D 11	3.00-4.00 0.90m recovery		χ -	,		-	
– – 3.20 - 3.65	SPTS	N=11 (2,2/2,3,3,3)				-	-	
	5.42						-	$F_{}$
- 3.50 -	D 12						-	
E							-	
4.00	D 13	4.00-5.00 0.90m recovery				_	_	
4.20 - 4.65	SPTS	N=16 (2,2/3,4,4,5)					-	[- <u>-</u> -]
- 4.50	D 14						-	
-						-	-	
- 5.00	D 15	5.00-6.00 0.90m recovery				-	(5.15)	
- 5.20 - 5.65 -	SPIS	N=17 (2,3/4,4,4,5)					-	$F_{}$
- 5.50	D 16						-	
E							-	
6.00	D 17	6 00-7 00 0 80m recovery				_		
- 6.20 - 6.65	SPTS	N=19 (3.3/4.4.5.6)					-	
_							-	[]
— 6.50 -	D 18					-	-	
F						-	-	
- 7.00	D 19						-	
- 7.20 - 7.65	SPTS	N=21 (4,3/5,4,6,6)					-	$F_{}$
F_						_	-	
E							7.65 +13.55	
E					URATURT HULL		-	
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Groundwater Entries No. Depth Strike ((m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used
Notes: For explanation	n of symbols and a	abbreviations Project	Cer	ntral Somers Town, London			Borehole	
see Key to Exploratory reduced levels in metro	Hole Records. Al es. Stratum thickr	Il depths and ness given in		·				MGð
brackets in depth colur	nn. (c) ESG	www.esg.co.uk	NO. Down	J61-15				
Scale 1:50	00/0	Carrieu	0ut 101 E01	luon borough of camuen				Sheet 1 of 1



Drilled GW	Start Equ	upment, Methods and Rema	urks		Depth from	to Di	ameter Casing Depth	Ground Level		21.05 mOD
Logged TO	23/11/2015 Har	nd tools			(m)	(m)	(mm) (m)	Coordinates (m)		E 529692.04
Checked MM	Fnd Har	nd dug inspection pit from GL to e terminated at 0.47m due to a	to 0.47m. asbestos.					National Grid		N 183147 17
Approved SW	23/11/2015									
Semples and				Strata Description						
Samples and	Tests		Date Time	Strata Description	n			Douth Louis	I const	De el fill
Depth	Type & No	Records	Casing Water	М	ain		Detail	(Thickness)	Legena	Dackilli
-				Grass over TOPSOIL.				0.10 (0.10) +20.95		
- 0.30	ES 1	4 samples taken		(MADE GROUND) Brown slightly clavey gra	velly fine to co:	arse	-	(0.37)		
	201	i dampido takon		SAND with occasional as	bestos fragme	ents.	<u>-</u>	0.47 +20.58		
-				Gravel is angular to suba	ingular, fine to	coarse of	/ -	_		
_				END OF EXPLO	DRATORY HO	LE	-			
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Groundwater Entries No. Depth Strike (r	m) Remarks		Depth Sealed (m)	Depth Related Remarks				Hard Boring	Duration (min	
	,			Depuis (iii) Remarks				Depuis (III)		a, roois useu
Notes: For explanation	of symbols and abb	reviations Project	Cen	tral Somers Town, London				Borehole		
reduced levels in metre	es. Stratum thicknes	s given in		61-15					WS9	
orackets in depth colum	(c) FSG www	w.esg.co.uk AGS	out for	don Borough of Compton						
Scale 1:50	02/05/00	Carried	oution LON	aon borough or camaen				1	Sneet 1 of 1	



Drilled GW	Start E	quipment, Methods and Rema	urks	Depth from to Di	ameter Casing Depth	Ground Level	21.14 mOD
Logged TO	23/11/2015 H	land tools		(m) (m)	(mm) (m)	Coordinates (m)	E 529688.52
Checked MM	End H	land dug inspection pit from GL to lole terminated at 0.50m due to u	to 0.50m.			National Grid	N 183138 69
	22/11/2015						100100.00
	23/11/2013			Strata Decerintian			
Samples and	Tests		Date Time	Strata Description			
Depth	Type & No	Records	Casing Water	Main	Detail	(Thickness)	Legend Backfill
_				Grass over TOPSOIL.	-	0.10 (0.10) +21.04	
- 0.30	FS 1	4 samples taken		(MADE GROUND) Brown gravelly fine to coarse SAND with	-	(0.40)	
0.50	ES 2	4 camples taken		occasional metal fragments. Gravel is angular to	-	0.50 .20.64	
-	202	4 sumples taken		subangular, fine to coarse of brick, concrete and	Λ –	0.00 20.04	
-				END OF EXPLORATORY HOLE	-		
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Groundwater Entries		1	Denth Orals 17	Depth Related Remarks		Hard Boring	
NO. Depth Strike (m) Remarks		uepth Sealed (m)	Depths (m) Remarks		Depths (m)	Duration (mins) Tools used
Notes: For explanation	of symbols and a	bbreviations Project	Cen	ral Somers Town, London		Borehole	
see Key to Exploratory reduced levels in metro	Hole Records. All es. Stratum thickne	ess given in				,	
brackets in depth colur	nn.	AGS	No. D50	51-15		, I	N J J A
Scale 1:50	(c) ESG 1	Carried	out for Lon	lon Borough of Camden			Sheet 1 of 1



Drilled GW	Start	Equipment, Methods and Rem	arks	Depth from to Di	ameter Casing Depth	Ground Level	21.16 mOD
Logged TO	24/11/2015	Hand due inspection pit from CL	to 1 20m Window com	(m) (m) 1.20 1.50	(mm) (m) 101	Coordinates (m)	E 529688.51
Checked MM	End	Hole terminated during SPT due	to refusal.	ping rom 1.20m to 1.65m.		National Grid	N 183138.97
Approved SW	24/11/2015						
Samples and	Tests			Strata Description			
Depth	Type & No	o Records	Date Time	Main	Detail	Depth, Level	Legend Backfill
			Casing water	Grass over TOPSOIL		(Inickness)	
- 0.20	EQ 1			(MADE GROUND)	1 -	(0.30) +21.06	
- 0.30 - 1.20	B 4	4 samples taken		SAND with low cobble content. Gravel is angular) =	0.40 +20.76	
- 0.50	ES 2			to subangular, fine to coarse of brick, concrete	/		
				(MADE GROUND) Brown mottled grey slightly			
- 1.00	ES 3	4 samples taken		sandy gravelly CLAY with low cobble content. Gravel is angular to subangular, fine to coarse of		(1.25)	
- 1.20 - 1.65	SPTS	N=3 (0,0/0,1,1,1)		brick, concrete, flint and sandstone. Sand is fine	=		
- 1.20 - 1.40	D 5 D 6			to medium. Cobbies are angular of brick.	-		
-						1.65 +19.51	
-				END OF EXPLORATORY HOLE	-		
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Groundwater Entries	m) Remarka		Denth Sealed (m)	Depth Related Remarks		Hard Boring	
	,			1.20 - 1.50 0.15m recovery.		Deptns (m)	ບບາສແບກ (mins) iools used
Notes: For explanation see Key to Exploratory	of symbols and Hole Records.	abbreviations Project All depths and	Cen	tral Somers Town, London		Borehole	
reduced levels in metro brackets in depth colum	es. Stratum thick	ness given in Proiect	No. D50	61-15		\	NS9B
Scale 1:50	(c) ES0	S www.esg.co.uk	out for Lon	don Borough of Camden			Sheet 1 of 1



Drilled JW	Start	Equipment, Methods and Rema	arks		Depth from to I	Diameter Casing Depth	Ground Level		20.27 mOD
Logged EP	05/12/2015	Hand excavated inspection pit fro	m GL to 0.20m		(m) (m)	(mm) (m)	Coordinates (m)		E 529698.52
Checked MM	End	Terminated at 0.20m due to proba	able asbestos.				National Grid		N 183203.05
Approved SW	05/12/2015								
Samples and	Tests			Strata Description	n				
Depth	Type & No	Records	Casing Water	М	ain	Detail	Depth, Level (Thickness)	Legend	Backfill
-			_	(MADE GROUND)		-	0.10 (0.10) +20.17		
-				(MADE GROUND) Dark I	brown sandy GRAVEL		0.20 (0.10) +20.07		
-				with high cobble content.	Gravel is angular to		-		
_				concrete. Sand is fine to	coarse. Possible	=			
-				END OF EXPLO	RATORY HOLE	-			
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Groundwater Entries	m) Remarke		Denth Sealed (m)	Depth Related Remarks			Hard Boring	Descrittion of the	-) T!
no. Depui ourke (, isomarka		Sopur Sealed (III)	ueptns (m) Remarks			Depths (m)	Duration (min	s) loois used
Notes: For explanation	of symbols and	abbreviations Project	Cen	tral Somers Town. London			Borehole		
see Key to Exploratory reduced levels in metro	Hole Records. A	Il depths and ness given in						MC10	
brackets in depth colu	nn.		No. D50	61-15				vv310	
Scale 1:50	(C) E3G	Carried	out for Lon	don Borough of Camden				Sheet 1 of 1	



Drill	ed BW	Start	Equipment, Methods and Remain	arks		Depth from	to Diame	ter Casing Depth	Ground Level		20.27 mOD
Log	ged EP	09/12/2015	Hand excavated inspection pit fro	m GL to 1.20m Wind	w sampling from 1.20m to	(m) 1.20	(m) (mm 3.20 10	1) (m) 1	Coordinates (m)		E 529698.52
Che	cked MM	End	4.65m.	nn GE to 1.20m. Windo	Jw sampling from 1.20m to	3.20	4.20 87	, ,	National Grid		N 183203.05
Арр	roved SW	09/12/2015	Terminated at 4.6m due to collap	se of hole.							
Sa	mples and	l Tests			Strata Descriptio	n					
	Depth	Type & No	Records	Date Time Casing Water		lain		Detail	Depth, Level (Thickness)	Legend	Backfill
-	0.20	ES 1	4 samples taken		(MADE GROUND) _MACADAM. (MADE GROUND)		/		0.10 ^(0.10) +20.17		
	0.70	ES 2	4 samples taken		Brown slightly clayey be GRAVEL with occasiona angular to subrounded, macadam and flint. San Firm becoming stiff brow	coming clayey sa al cobbles. Gravel fine to coarse of to d is fine to coarse (n mottled bluish)	andy lis brick, <u>e.</u>		(0.70) 0.80 +19.47		
-	1.20 - 1.65 1.20	SPTS D 3	N=4 (0,0/0,1,1,2)		CLAY. (LONDON CLAY FORM	ATION)	3)		- - - - -		
	1.90 2.00	D 4 D 5						- - - 			
-	2.20 - 2.65	SPTS	N=11 (1,2/2,3,3,3)					-		<u>[]</u>	
	2.50	ES 6	4 samples taken					- 	(3.85)		
_	3.00	D 7								<u> </u>	
E	3.20 - 3.65	SPTS	N=13 (1,3/2,3,4,4)					-			
	3.50	D 8									
F	4.00	D 9						_		[]	
F	4.20 - 4.65	SPTS	N=34 (5,5/7,10,8,9)					-	-		
E								-			
2					END OF EXPL	ORATORY HOLE	E		4.65 +15.62		
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Gro	Indwater Entries				Donth Polatod Demonity				Hard Porise		
No	. Depth Strike (m) Remarks		Depth Sealed (m)	Depths (m) Remarks				Depths (m)	Duration (mir	ns) Tools used
L									Barrah 1		
see	S. For explanation Key to Exploratory ced levels in motion	Hole Records.	All depths and	Cer	itrai Somers Town, London				Dorenole		
brac	kets in depth colu	mn. (c) ES(S www.esg.co.uk	No. D50	161-15				'	10A	•
SC	ale 1.50		Carrieu	LOI	as a boroage or calliden				•	SUBST 1 OF 1	



Drilled JW	Start	Equipment, Methods and Rema	urks		Depth from	to Di	ameter Casing Depth	Ground Level		20.12 mOD
Logged EP	05/12/2015	Hand excavated inspection pit fro	m GL to 0.40m.		(m)	(m) ((mm) (m)	Coordinates (m)		E 529717.88
Checked MM	End	Terminated at 0.40m due to servi	ce.					National Grid		N 183219.30
Approved SW	05/12/2015									
Samples and	Tests			Strata Description	n					
Depth	Type & No	Records	Casing Water	М	ain		Detail	Depth, Level (Thickness)	Legend	Backfill
_				(MADE GROUND)			_	0.10 ^(0.10) +20.02		
-				MACADAM. (MADE GROUND) Dark	brown sandy G	RAVEL		(0.30)		
<u> </u>				with high cobble content.	Gravel is angu	ular to		0.40 +19.72		
-				Sand is fine to coarse. Po	ossible asbesto	os material	=			
-				Lobserved. END OF EXPLO	RATORY HOL	LE	-	-		
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Groundwater Entries			Denth Sector (m)	Depth Related Remarks				Hard Boring		
NO. Depth Strike (m) kemarks		Depth Sealed (m)	Depths (m) Remarks				Depths (m)	Duration (min	s) Tools used
		··· · · ·								
Notes: For explanation see Key to Exploratory	of symbols and Hole Records. A	abbreviations Project	Cen	tral Somers Town, London				Borehole		
reduced levels in metro brackets in depth colu	es. Stratum thick nn.	ness given in Project	No. D50	61-15					WS11	
Scale 1:50	(c) ESG	www.esg.co.uk	out for Lon	don Borough of Camden					Sheet 1 of 1	



Drilled JW	Start	Equipment, Methods and Rem	arks	Depth from to Diameter	Casing Depth Ground Le	vel 20.12	mOD
Logged EP	05/12/2015	Hand avagyated inspection pit fr	m CL to 0.50m	(m) (m) (mm)	(m) Coordinate	s (m) E 5297	17.88
Checked MM	End	Terminated at 0.50m due to poss	ible asbestos.		National G	id N 1832 ⁻	19.30
Approved SW	05/12/2015						
Samples and	Tests			Strata Description			
Depth	Type & N	o Records	Date Time	Main	Depth, L	evel Legend Ba	ckfill
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Casing Water	(MADE GROUND)	(Thickness)		
-					- 0.10 (0.40)	+20.02	
E				with high cobble content. Gravel is angular to	0.50	.10.62	
				subrounded, fine to coarse of brick and macadam.		+13.02	
_				END OF EXPLORATORY HOLE	_		
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Groundwater Entries No. Depth Strike (i	n) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks	Hard Bori Depths (m	ng) Duration (mins) Tools	used
Notes: For explanation see Key to Exploratory	of symbols and Hole Records.	abbreviations Project All depths and	Cen	ral Somers Town, London	Borehole		
reduced levels in metre brackets in depth colur	es. Stratum thick	ness given in Project	No. D50	51-15		WS11A	
Scale 1:50	(c) ES0	G www.esg.co.uk	out for Lon	don Borough of Camden		Sheet 1 of 1	



Drilled	Start Equ	uipment, Methods and Rema	irks	I	Depth from to	Diar	meter Casing Depth	Ground Level		20.12 mOD
Logged EP	09/12/2015 Har	nd avcavated inspection pit fro			(m) (m)) (n	וm) (m)	Coordinates (m)		E 529717.88
Checked MM	End Terr	minated at 0.20m due to inabi	lity to break out.					National Grid		N 183219.30
Approved SW	09/12/2015									
Samples and	Tests			Strata Description						
Depth	Type & No	Records	Date ime Casing Water	Mai	in		Detail	Depth, Level (Thickness)	Legend	Backfill
_				(MADE GROUND)				0.10 (0.10) +20.02		
-			!	MACADAM. (MADE GROUND) Dark bi	rown GRAVEL with	h/		0.20 (0.10) +19.92		
-				occasional cobbles. Grave	I is angular to	dam.				
-				END OF EXPLOR	RATORY HOLE		-			
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Croundwater Entries				Denth Delated Demorko				Hand Daving		
No. Depth Strike (m) Remarks		Depth Sealed (m)	Depths (m) Remarks				Depths (m)	Duration (mins	३) Tools used
Notes: For explanation	of symbols and abb	previations Project	Cen	Itral Somers Town, London				Borehole		
reduced levels in metre brackets in depth colur	es. Stratum thicknes	s given in Project	No. D50	061-15				l v	VS11B	
Scale 1:50	(c) ESG ww	ww.esg.co.uk	out for Lor	Idon Borough of Camden					Sheet 1 of 1	



Drilled BW/AM	Start Ec	quipment, Methods and Rem	arks		Depth from to	Diam	eter Casing Depth	Ground Level		20.20 mOD
Logged EP	21/11/2015 Ha	and tools	inc.		(m) (m)	(mr	m) (m)	Coordinates (m)		F 529730,27
Checked MM	End Ha	and dug inspection pit from GL f	to 0.20m.					National Grid		N 183233 82
	24/44/2015	le terrindica ai o.zo aac	15065105.					National Grid		N 100200.02
Approved 3.				Tetrata Descriptio						
Samples and	Tests		Date Tin		<u>n</u>			Death Loval	Larond	Bookfill
Depth	Type & No	Records	Casing Wat	er M	ain		Detail	(Thickness)	Legena	Backin
-				(MADE GROUND) MAC	ADAM.			0.10 (0.10) +20.10		
- 0.20	D 1			(MADE GROUND) Dark brown to black san	dv angular to	F		0.20 (0.10) +20.00	XXXXXXXXX	
-			1	subrounded, fine to coar	se GRAVEL of brick,	· /	_			
_			1	content. Cobbles are an	asbestos with nigh co jular of brick.		=			
_			1	END OF EXPLO	DRATORY HOLE		-			
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Groundwater Entries No. Depth Strike (I	m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks				Hard Boring Depths (m)	Duration (mins	;) Tools used
Notes: For explanation	of symbols and ab	breviations Project	c	entral Somers Town, London				Borehole		
see Key to Exploratory reduced levels in metre	Hole Records. All d es. Stratum thickne	ss given in							MQ12	
brackets in depth colun	nn.		No. D	061-15					W312	
Scale 1.50	(C) ESG W	Carried	out for Le	undon Borough of Camden					Sheet 1 of 1	



Drilled BW/AM	Start Eq	uipment, Methods and Rema	arks		Depth from	to Dia	meter Casing Depth	Ground Level		20.20 mOD
Loaaed EP	21/11/2015 Har	nd tools			(m)	(m) (n	nm) (m)	Coordinates (m)		F 529730.27
Checked MM	Fnd Hai	nd dug inspection pit from GL the terminated at 0.20m due to	o 0.20m. asbestos.					National Grid		N 183233,82
Approved SW	21/11/2015		1000000							100200.22
Samples and				Strata Description						
	- 10		Date Time					Depth, Level	Legend	Backfill
Deptn	Туре & No	Records	Casing Water		ain		Detail	(Thickness)		
- 0.20	D1			(MADE GROUND) MACA (MADE GROUND)	ADAM.			0.10 (0.10) 0.20 (0.10) +20.10 +20.00		
F				Dark brown to black sand	ly angular to sub	prounded	-			
-				asbestos with high cobble	e content. Cobble	es are				
-				angular of brick. END OF EXPLC	RATORY HOLE	=/	-			
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No. Depth Strike (r	m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks				Depths (m)	Duration (mins) Tools used
Notes: For explanation	of symbols and abb	previations Project	Cen	tral Somers Town, London				Borehole		
see Key to Exploratory reduced levels in metre	Hole Records. All d es. Stratum thicknes	lepths and is given in		o4 45				l v	NS12A	
brackets in depth colun	nn. (c) ESG w	AGS	NO. 100					•		



Drilled	Start	Equipment, Methods and Rem	arks		Depth from to Dia	ameter Casing Depth	Ground Level		20.32 mOD
Logged EP	05/12/2015	Used everyated inspection pit fi			(m) (m) ((mm) (m)	Coordinates (m)		E 529706.96
Checked MM	End	Terminated at 0.20m due to pos	sible asbestos.				National Grid		N 183186.22
Approved SW	05/12/2015								
Samples and	Tests			Strata Description	1				
Denth	Type & Nr	Becords	Date Time		in	Detail	Depth, Level	Legend	Backfill
	., 160 -		Casing Water	(MADE GROUND)			(Thickness)	******	
-				Cobble paving.	/	[=	0.10 (0.10) +20.22 0.20 (0.10) +20.12		
-				(MADE GROUND) Dark to with high cobble content.	orown sandy GRAVEL Gravel is angular to	-			
-				subrounded, fine to coars	e of brick. Sand is fine to				
-				END OF EXPLO	RATORY HOLE	-			
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Groundwater Entries				Depth Related Remarks			Hard Boring		
No. Depth Strike (m) Remarks		Depth Sealed (m)	Depths (m) Remarks			Depths (m)	Duration (mins)	Tools used
		•							
Notes: For explanation see Key to Exploratory	of symbols and Hole Records.	abbreviations Project	Cen	tral Somers Town, London			Borehole		
reduced levels in metre brackets in depth colur	es. Stratum thick nn.	kness given in Project	No. D50	61-15				WS13	
brackets in depth column. Project No. Dis Scale 1:50 (c) ESG www.esg.co.uk 03/05/2016 1147/26				don Borough of Camden				Sheet 1 of 1	


Drilled BW	Start	Equipment, Methods and Rema	irks	1	Depth from to	Diameter Casing Depth	Ground Level	20.32 mOD	
Logged EP	08/12/2015				(m) (m)	(mm) (m)	Coordinates (m)	E 529706.96	
	End	Hand excavated inspection pit fro	m GL to 0.85m.				National Grid	N 183186 22	
	Ellu		ele obsil dellon.				National Grid	N 103100.22	
Approved Sw	08/12/2015			Otrata Danariatian					
Samples and	Tests		Date Time	Strata Description			Double Louis	Lawrend Deviation	
Depth	Type & No	Records	Casing Water	Main	I	Detail	Depth, Level (Thickness)	Legend Backfill	
_			_	(MADE GROUND)		-	0.10 (0.10) +20.22		
-				Cobble paving. (MADE GROUND) Dark bro	own sandy GRAVEL	_/ =	-		
- 0.50 - 0.80	B 1			with high cobble content. G	ravel is angular to		(0.75)		
-				Sand is fine to coarse. Poss	sible asbestos material				
-				observed.			0.85 +19.47		
-				END OF EAFLOR	AIORTHOLE		-		
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Groundwater Entrico				Denth Deleted Downston			Hand Doute a		
No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			nard Boring Depths (m) Duration (mins) Tools used		
Noton: Far avalant'	of ourshal '	abbraviations B!	^	tral Samara Taura Lauratan			Poroholo		
see Key to Exploratory	Hole Records. A	All depths and	Cen	u ai Somers Town, London			Dorenole		
brackets in depth colur	nn.	Project I	No. D50	61-15			V	vS13A	
Scale 1:50	(c) ESG	www.esg.co.uk	out for Lon	don Borough of Camden				Sheet 1 of 1	



Drilled JW	Start I	Equipment, Methods and Rema	rks		Depth from to	Diameter Casing Depth	Ground Level	20.27 mOD
Logged EP	05/12/2015	Hand excavated inspection pit fro	m GL to 0.80m		(m) (m)	(mm) (m)	Coordinates (m)	E 529738.05
Checked MM	End	Terminated at 0.70m due to void a	and collapse of hole.				National Grid	N 183205.94
Approved SW	05/12/2015							
Samples and	l Tests			Strata Descriptior	า			
Depth	Type & No	Records	Date Time	Ма	in	Detail	Depth, Level	Legend Backfill
_			Casing Water	(MADE GROUND)			0.10 (0.10) +20.18	
-						_1	0.10 .20.10	
-				angular to subangular fine	e to coarse GRAVEL of		(0.60)	
_				brick and macadam.			0.70 +19.58	
_				END OF EXPLO	RATORY HOLE	-		
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Groundwater Entries No. Depth Strike (m) Remarks		Depth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m)	Duration (mins) Tools used
Notes: For explanation see Key to Exploration	of symbols and a Hole Records	abbreviations Project	Cen	tral Somers Town, London			Borehole	
reduced levels in metro brackets in depth column	es. Stratum thickr	ness given in Project I	ło. D50	61-15			1	N S14
Scale 1:50 (c) ESG www.esg.co.uk AGS 0305/2016 1147/27 Carried out for London Borough of Camden								Sheet 1 of 1



Drilled JW	Start	Equipment, Methods and Remarks			Depth from to Diameter Casing Depth			h Ground Level	Ground Level			
Logged EP	05/12/2015	Hand avapuated inapp	ation nit from CI	to 0.40m		(m)	(m) ((mm) (m)	Coordinates (m)		E 529739.68	
Checked MM	End	Terminated at 0.40m d	ue to brick obstr	ruction.					National Grid		N 183208.18	
Approved SW	05/12/2015											
Samples and	Tests				Strata Description	n						
Depth	Type & N	o Record	S Cas	e Time ing Water	м	ain		Detail	Depth, Level	Legend	Backfill	
			Cas	ang water	(MADE GROUND)				0.10 (0.10) ±20.14			
_						brown condy C		1	(0.30)			
-					Gravel is angular to suba	ngular, fine to	coarse of		0.40 +19.84	********		
_					brick and macadam. San END OF EXPLO	d is fine to coa	urse. / LE		_			
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Groundwater Entries No. Depth Strike (r	m) Remarks		Dep	oth Sealed (m)	Depth Related Remarks Depths (m) Remarks			Hard Boring Depths (m) Duration (mins) Tools used				
Notes: For explanation	of symbols and	abbreviations	Project	Cen	tral Somers Town, London				Borehole			
see Key to Exploratory	Hole Records.	All depths and kness given in		Gen						NO444		
brackets in depth colur	nn.		Project No.	D50	61-15				1	v514A		
Scale 1.50	(c) ES	G www.esg.co.uk	Carried out f	or Lon	don Borough of Camden				1	Sheet 1 of 1		



Drilled JW	Start	Equipment, Methods and Rema	arks	Depth from to Diameter Casing Depth			Ground Level 20.24 mOD		
Logged EP	05/12/2015			(m)	(m) (i	mm) (m)	Coordinates (m)		E 529706.96
Checked MM	End	Hand excavated inspection pit fro Terminated at 0.10m due to bitum	om GL to 0.10m. nen obstruction.				National Grid		N 183208.18
Approved SW	05/12/2015								
Samples and	Tests			Strata Description					
			Date Time				Depth, Level	Legend	Backfill
Depth	Type & No	Records	Casing Water	Main		Detail	(Thickness)		
-				(MADE GROUND) \ MACADAM.	/		0.10 ^(0.10) +20.14		
_				END OF EXPLORATORY F	HOLE		-		
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Groundwater Entries				Donth Polatod Pomarka			Hard Poring		
No. Depth Strike (r	m) Remarks		Depth Sealed (m)	Depths (m) Remarks			Depths (m)	Duration (mins) Tools used
			_						
Notes: For explanation see Key to Exploratory	of symbols and Hole Records.	All depths and	Cen	trai Somers Town, London			Borehole		
reduced levels in metre brackets in depth column	es. Stratum thick nn.	ness given in Project	No. D50	61-15			V	VS14B	
Scale 1:50	(c) ESO	www.esg.co.uk	out for Lon	don Borough of Camden				Sheet 1 of 1	



Drilled JW	Start E	quipment, Methods and Rema	rks		Depth from to D	Diameter Casing Depth	Ground Level		20.19 mOD
Logged EP	05/12/2015		01.4 00		(m) (m)	(mm) (m)	Coordinates (m)		E 529743.55
Checked MM	End T	erminated at 0.20m due to proba	m GL to .20m. able asbestos.				National Grid		N 183217.36
Approved SW	05/12/2015								
Samples and	Tests			Strata Description	1				
Dopth	Type & No	Bacarde	Date Time	Ma	in	Dotail	Depth, Level	Legend	Backfill
	Type a no		Casing Water				(Thickness)		
-						=	0.10 (0.10) +20.09 0.20 (0.10) +19.99		
-				(MADE GROUND) Dark b Gravel is angular to subar	rown sandy GRAVEL.				
-				brick. Sand is fine to coar] _			
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Groundwater Entries			Dopth Scale (()	Depth Related Remarks			Hard Boring		
NO. Depth Strike (iii) Kemarks		Depth Sealed (m)	Depths (m) Remarks			Depths (m)	Duration (mins	s) Tools used
Notes: For explanation see Key to Exploration	of symbols and a Hole Records. Al	bbreviations Project	Cen	tral Somers Town, London			Borehole		
reduced levels in metro brackets in depth column	es. Stratum thickne	ess given in Project I	No. D50	61-15				WS15	
Scale 1:50	(c) ESG	www.esg.co.uk	out for Lon	don Borough of Camden				Sheet 1 of 1	



Drilled	Start	Equipment, Methods and Rema		Depth from to Diameter Casing Dep				Ground Level		
Logged EP	05/12/2015	(m) (m) (m) (m)				Coordinates (m)		E 529743.55		
Checked MM	End	7.00m.	om GL to 1.20m. Windo	ow sampling from 1.20m to				National Grid		N 183217.36
Approved SW	05/12/2015									
Samples and	Tests			Strata Descriptio	n					
Depth	Type & No	Records	Date Time Casing Water	N	lain		Detail	Depth, Level (Thickness)	Legend	Backfill
-			_	(MADE GROUND)			-	0.10 (0.10) +20.09		
-				(MADE GROUND) Dark	brown gravelly SAND.		-	-		
- 0.50	D 2	4 to to to to a		Sand is fine to coarse. G subrounded, fine to coar	ravel is angular to se of brick. macadam	and	-	(0.70)		
- 0.50	ES 1	4 samples taken		concrete. Possible asbes	stos material observed			0.80 +10.30		
- 0.80	ES 3	4 samples taken		(MADE GROUND) Dark GRAVEL. Gravel is angu	brown clayey sandy lar to subrounded, fine	e to	_	-		
- - 1.20	D 5			coarse of brick, macada	m and concrete. Sand	is	-	-		
-							-	-		
-							-	(1.40)		
- 1.00	De						-			
	D 7							-		
- 2.20 -	ES 8	4 samples taken		Firm becoming stiff brow	n mottled bluish grey		-	2.20 +17.99	,	
_				CLAY. (LONDON CLAY FORM)	ATION)		-	-	<u></u>	
-							-	-	F	
- 2.00	DO						-		F	
- 3.00	09						-		F	
-							-	-		
— 3.50 -	D 10						-	-		
							-			
4.00	D 11									
-							-	-	<u> </u>	
- - 4.50	D 12						_	-	F-I-	
-							-	(4.80)	F	
- 5.00	D 13						_			
	013						-	-		
-							-	-		
-							-	-		
							-			
	D 14							-		
-							-	-		
- 6.50	D 15						-	-	F	
E							-		F	
- 7.00	D 16							7.00 +13.19	= $=$ $=$	
_				END OF EXPLO	DRATORY HOLE		-			
-							-	-		
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Groundwater Entries				Depth Related Remarks				Hard Boring		
No. Depth Strike (m) Remarks		Depth Sealed (m)	Depths (m) Remarks				Depths (m)	Duration (mi	ns) Tools used
Notes: For explanation see Key to Exploratory	of symbols and Hole Records.	abbreviations Project All depths and	Cer	tral Somers Town, London				Borehole		
reduced levels in metro brackets in depth colu	es. Stratum thick mn.	ness given in Project	No. D50	61-15				\	NS154	4
Scale 1:50	(c) ESC	G www.esg.co.uk	out for Lon	don Borough of Camden					Sheet 1 of 1	