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:

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Report No D5061-15/1

September 2016

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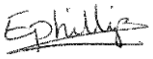
1 Feb 2016	Draft report	NAME and QUALIFICATIONS Ellen Phillips BSc FGS SIGNATURE 	NAME and QUALIFICATIONS David Beskeen BSc SIGNATURE 	NAME and QUALIFICATIONS Miles Martin BSc MSc FGS SIGNATURE 
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REPORT STRUCTURE

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

C O N T E N T S

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

TABLE 1 : SUMMARY OF EXPLORATORY HOLES

TYPE	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.

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

TYPE	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

TYPE	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.

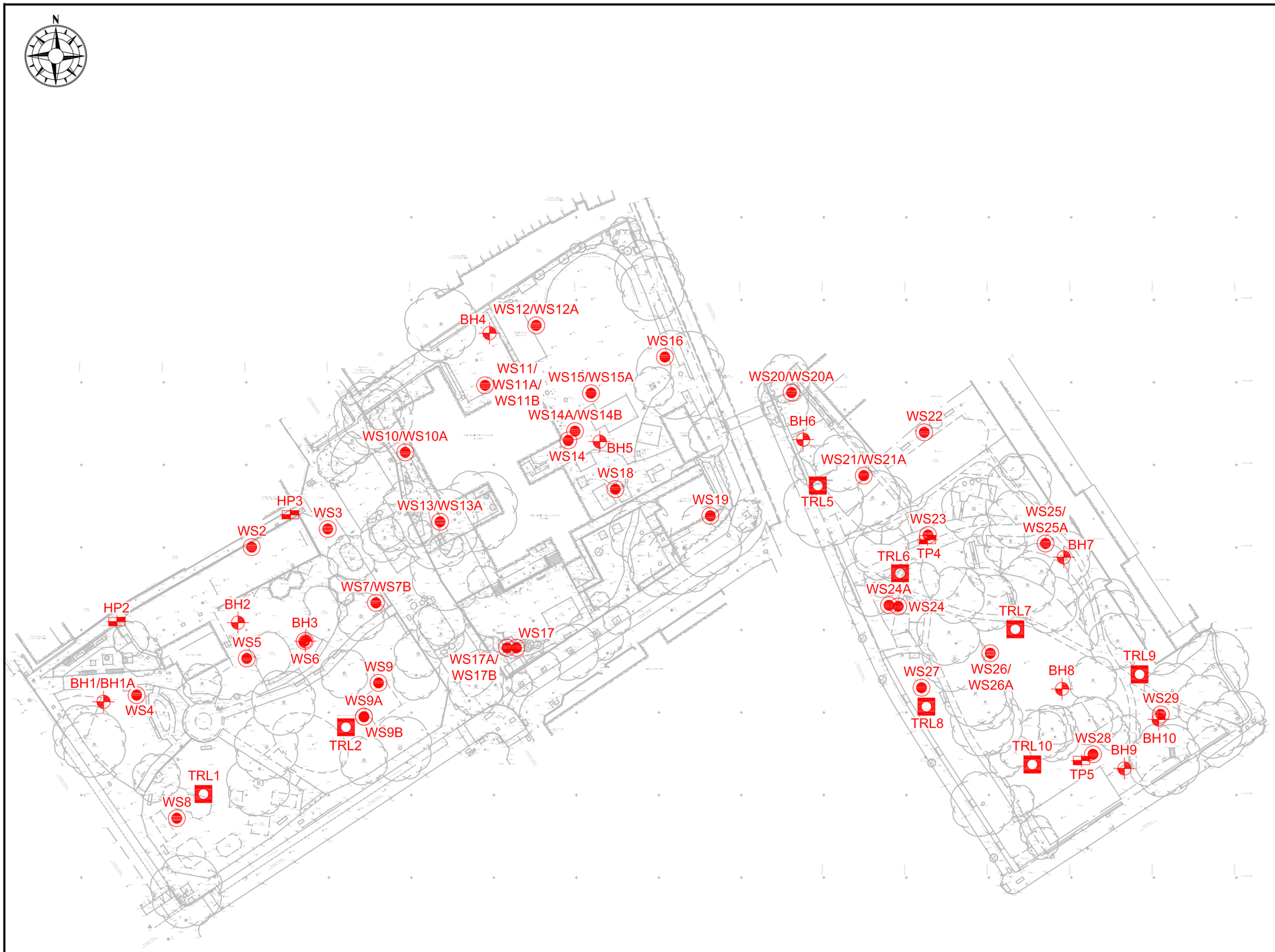
APPENDIX A

FIGURES AND DRAWINGS

Site Location Plan

Reproduced from the 2012 Ordnance Survey 1:50 000 scale Landranger map No 176 by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office, © Crown copyright, Environmental Services Group Limited. All rights reserved. Licence Number 100006060

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



GENERAL NOTES

1. Reproduced from Survey Solutions Drawing No. 12681UG–01 & 12681UG–02.
2. 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	x
Rev	Drawn	Date	Approv.	Date	Modification Details

AMENDMENTS

Title

SITE PLAN

Project

CENTRAL SOMERS TOWN, LONDON

Client

LONDON BOROUGH OF CAMDEN

ESG

Date	Drawn By	Approv. By
29/04/2016	BS	SW

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
Borehole Logs	BH1, 1A, 2, to 10
Trial Pit Logs	TP4 and 5, HP2 and 3
Window Sampler Hole 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	Driven tube sample	nominally 100 mm diameter and full recovery unless otherwise stated
UT	Driven thin wall tube sample	
TW	Pushed thin wall tube sample	
P	Pushed piston sample	
L	Liner sample (from Windowless or similar sampler), full recovery unless otherwise stated	
CBR	CBR mould sample	
BLK	Block sample	
CS	Core sample (from rotary core) taken for laboratory testing	
AMAL	Amalgamated sample	

Disturbed

D	Small sample
B	Bulk sample

Other

W	Water sample
G	Gas sample
	Environmental chemistry samples (in more than one container where appropriate)
ES	Soil sample
EW	Water sample

Comments Sample reference numbers are assigned to every sample taken. A sample reference of 'NR' indicates that attempt was made to take a tube sample, however, there was no recovery.

Monitoring samples taken after completion of hole construction are not shown on the exploratory 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 incremental blow counts are given in the Field Records column; each increment is 75 mm unless stated otherwise and any penetration under self weight in mm (SW) is noted. Where the full 300 mm test drive is achieved the total number of blows for the test drive is presented as N = ** in the Test column. Where the test drive blows reach 50 the total blow count beyond the seating drive is given (without the N = prefix).

IV	*in situ* Vane shear strength, peak (p) and remoulded (r)
HV	Hand vane shear strength, peak (p) and remoulded (r)
PP	Pocket penetrometer test, converted to shear strength
KFH, KRH, KPI	Permeability tests (KFH = falling head, KRH = rising head; KPI = packer inflow); results provided in Field Records column (one value per stage for packer tests)

DRILLING RECORDS

The mechanical indices (TCR/SCR/RQD & If) are defined in BS 5930:2015

TCR	Total Core Recovery, %
SCR	Solid Core Recovery, %
RQD	Rock Quality Designation, %
If	Fracture spacing, mm. Minimum, typical and maximum spacings are presented. The term non-intact (NI) is used where the core is fragmented.

Flush returns, estimated percentage with colour where relevant, are given in the Records column

CRF	Core recovered (length in m) in the following run
AZCL	Assessed zone of core loss
NR	Not recovered

GROUNDWATER

▼	Groundwater strike
▽	Groundwater level after standing period

Key to Exploratory Hole Records

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.

The type of instrument installed is indicated by a code in the Legend column at the depth of the response zone:

SP Standpipe
SPIE Standpipe piezometer
PPIE Pneumatic piezometer
EPIE 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.

The type of instrument installed is indicated by a code in the Legend column at the base of the tubing:

ICE Biaxial inclinometer
ICM Inclinometer tubing for use with probe
SLIP Slip indicator

Settlement Points or Pressure Cells

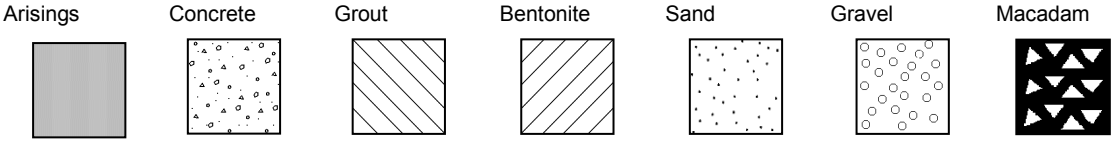
The installation of single point instruments is indicated on the Record. The location of the measuring device is shown in the Legend column.

The type of instrument installed is indicated by a code in the Legend column:

ESET Electronic settlement cell/gauge
ETM Magnetic extensometer settlement point
EPCE Electronic embedment pressure cell
PPCE Electronic push in pressure cell

INSTALLATION LEGENDS

A legend describing the installation is shown in the rightmost column. Legends used to describe the backfill materials as indicated below.



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 given with respect to the normal to the core axis. Thus in a vertical borehole this will be the dip.

5 The assessment of SCR, RQD and Fracture Spacing excludes artificial fractures

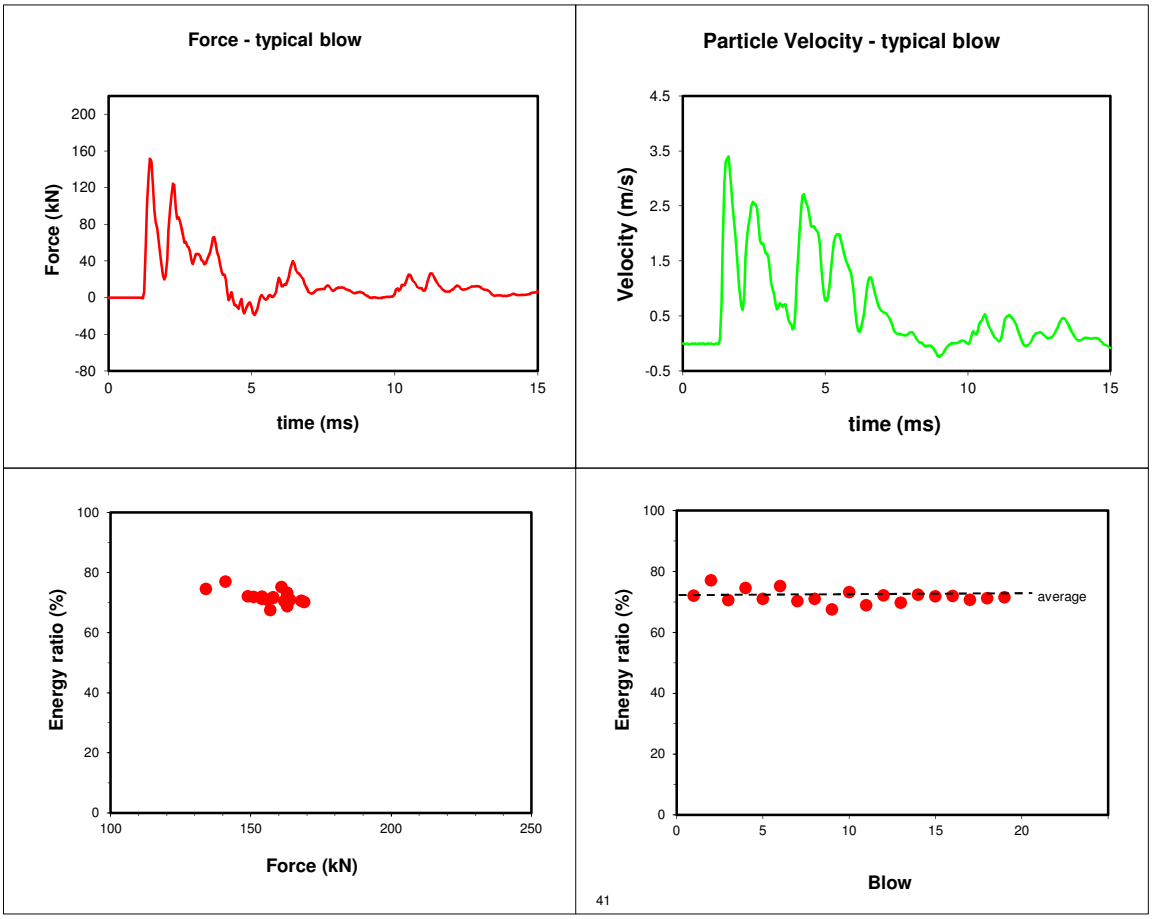
6 Water level observations of discernible entries during the advancing of the exploratory hole are given at the foot of the log and in the Legend column. The term "none observed" is used where no discrete entries are identified although this does not necessarily indicate that the hole has not been advanced 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.

Hammer Energy Report

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



Theoretical energy (E_{theor}) = *m x g x h* = **0.473 kN-m (473 J)**

Measured energy (E_{meas}) *average of 19 blows* = **0.339 kN-m**

Energy ratio = $\frac{E_{meas}}{E_{theor}}$ = **72 %**

Test carried out by: Malcolm Carr

Test carried out in accordance with BS EN ISO 22476-3:2005

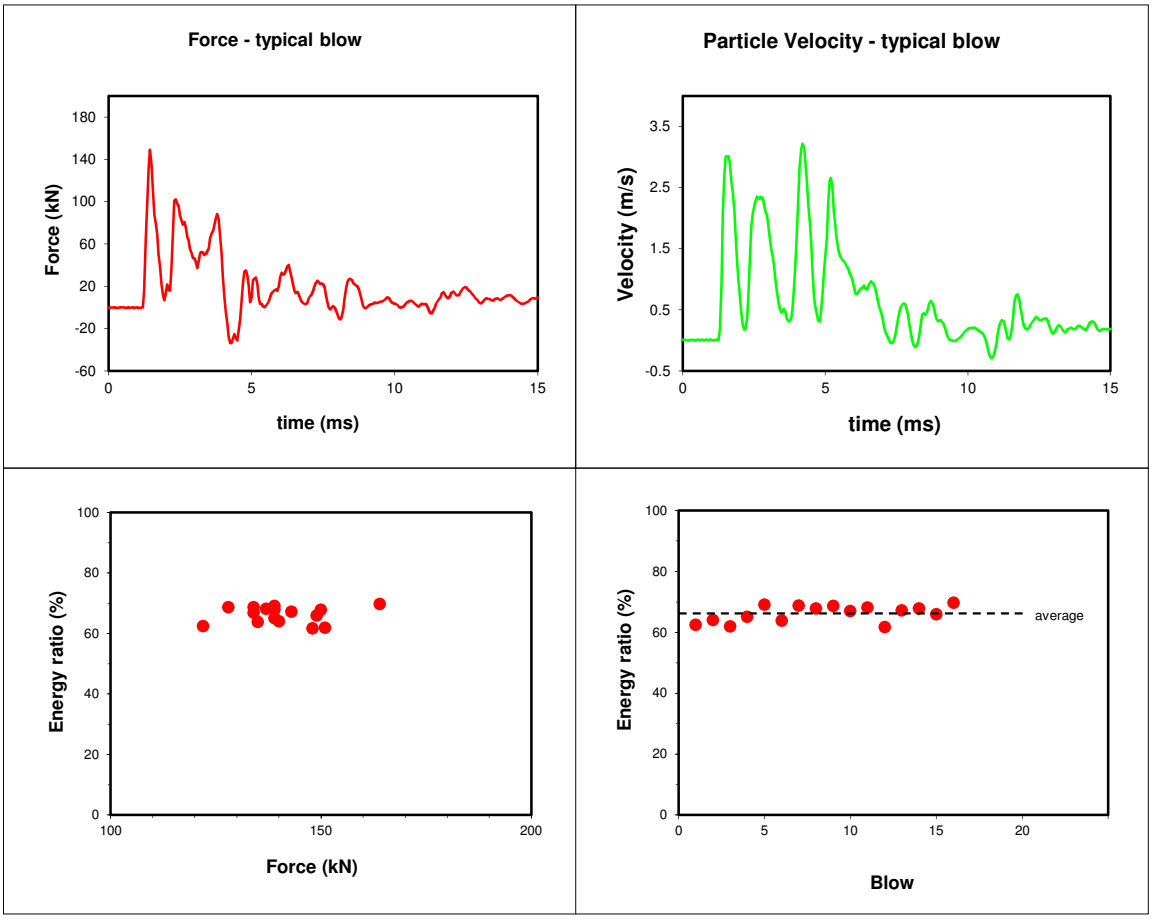
Signed for issue:

Equipment used: SPT Analyzer Serial No. 4032T

Hammer Energy Report

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



Theoretical energy (E_{theor}) = *m x g x h* = **0.473 kN-m (473 J)**

Measured energy (E_{meas}) *average of 16 blows* = **0.313 kN-m**

Energy ratio = $\frac{E_{meas}}{E_{theor}}$ = **66 %**

Test carried out by: Malcolm Carr

Test carried out in accordance with BS EN ISO 22476-3:2005

Signed for issue:

Equipment used: SPT Analyzer Serial No. 4032T

SPT Calibration Report

EQUIPE GROUP
www.equipegroup.com

Hammer Energy Measurement Report

Type of Hammer	SPT HAMMER
Client	GARY WHEELER DRILLING
Test No	EQU1337
Test Depth (m)	19.50
Date of Test	24 August 2015
Valid until	23 August 2016
Hammer ID	AR20

Mass of the hammer m = 63.5kg
Falling height h = 0.76m
E_{theor} = $m \times g \times h$ = 473J

Characteristics of the instrumented rod

Diameter d_r = 0.052 m
Length of the instrumented rod 0.558 m
Area A = 11.61 cm^2
Modulus E_a = 206843 MPa

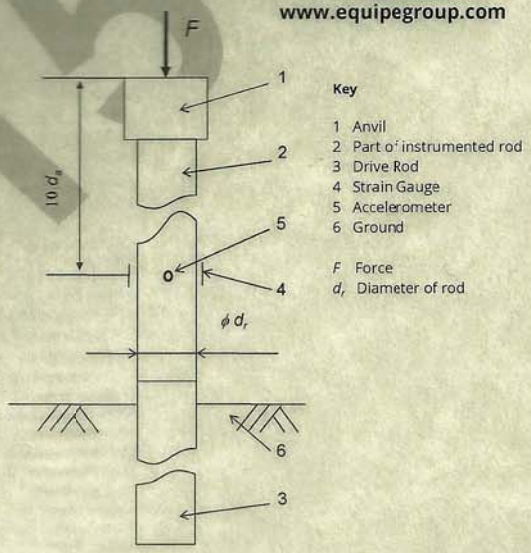
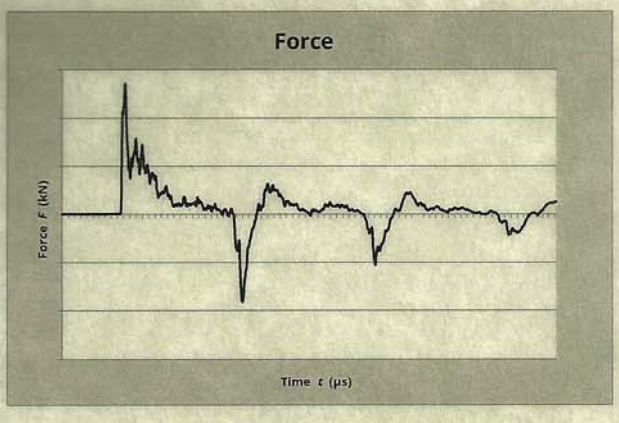
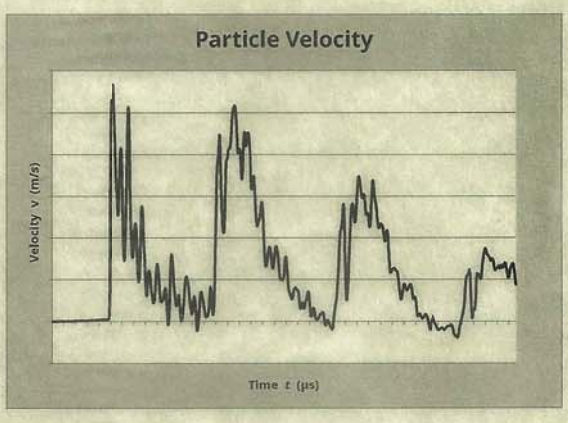
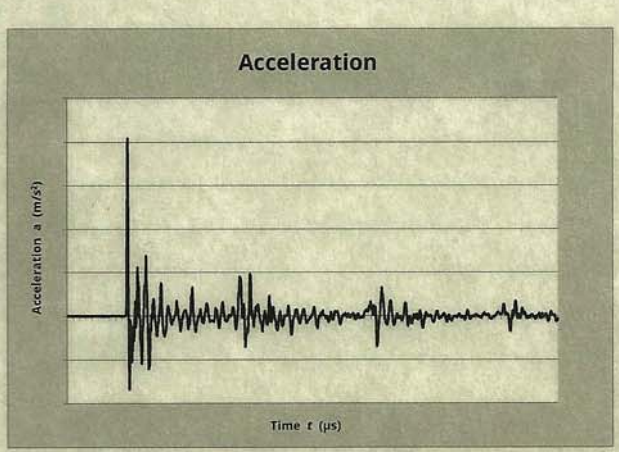
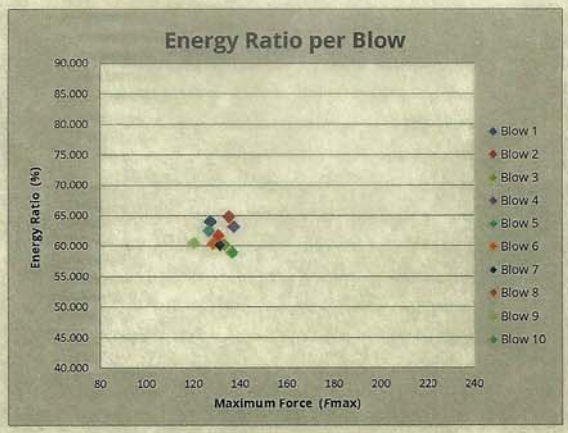


Fig. B.1 and B.2 BS EN ISO 22476-3 : 2005 + A1 : 2011









Observations:
1.

E_{meas} = **0.290** kN-m

E_{theor} = **0.473** kN-m

Energy Ratio (E_r) = $\frac{E_{meas}}{E_{theor}}$ = **61.32%**

Equipe SPT Analyzer Operators: MH

Prepared by: [signature] **Checked by:** [signature] **Date** 26/08/2015

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Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.25 mOD
Logged	CM	03/12/2015	Dando 100 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 24.20m.	0.00	24.20	150	4.00	**Coordinates (m)**	E 529625.39
Checked	MM	**End**						**National Grid**	N 183142.60
Approved	SW	04/12/2015							

Samples and Tests

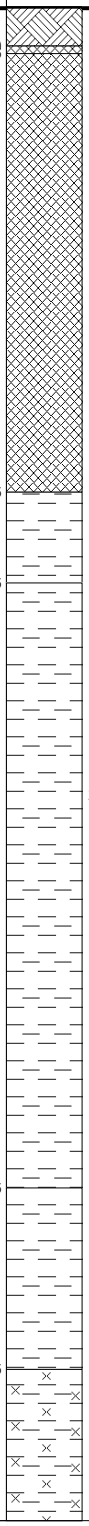
Depth	Type & No	Records	Date Casing	Time Water
0.20	D 2			
0.20	ES 1			
0.20 - 0.40	B 3			
0.50	D 5			
0.50	ES 4			
0.50 - 0.70	B 6			
1.00	D 8			
1.00	ES 7			
1.00 - 1.20	B 9		0.00	dry
1.20 - 1.65	SPTS	N=2 (1/1,,1,)		
1.20	D 10			
1.20 - 1.70	B 11			
2.20 - 2.65	SPTS	N=2 (1/,1,,1)	2.00	dry
2.20	D 12			
2.20 - 2.70	B 13			
3.20 - 3.65	SPTS	N=7 (1/1,1,2,3)	3.00	dry
3.20	D 14			
3.20 - 3.70	B 15			
4.20 - 4.65	UT 16	30 blows 100% rec	4.00	dry
4.70	D 17			
5.20 - 5.65	SPTS	N=14 (1,2/2,3,4,5)	4.00	dry
5.20	D 18			
6.20	D 19			
6.50 - 6.95	UT 20	40 blows 100% rec	4.00	dry
7.00	D 21			
7.80	D 22			
8.00 - 8.45	SPTS	N=15 (2,2/3,3,4,5)	4.00	dry
8.00	D 23			
9.00	D 24			
9.50 - 9.95	UT 25	45 blows 100% rec	4.00	dry

Strata Description

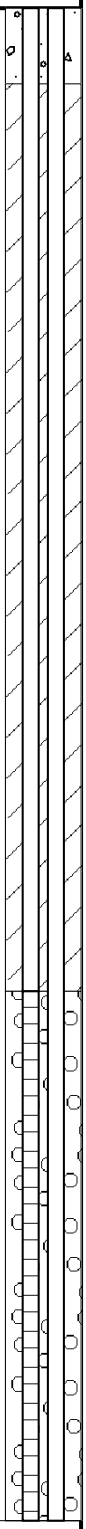
Main	Detail	Depth, Level (Thickness)
(TOPSOIL) Dark brown organic silty SAND with rootlets.		(0.25) 0.25 +21.00 0.30 (0.05) +20.95
(MADE GROUND) Type 1 stone. (DRILLER DESCRIPTION)	0.40-1.20 Low cobble content. Occasional wood and metal fragments.	
(MADE GROUND) Brown and grey sandy gravelly CLAY, locally 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.		(2.90)
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)
Firm brown CLAY with frequent partings of orange silt. (LONDON CLAY FORMATION)		3.80 +17.45
	5.20 Occasional selenite crystals.	(4.00)
Stiff to very stiff fissured dark grey CLAY with occasional partings of grey silt. Fissures are randomly orientated, closed and clean. (LONDON CLAY FORMATION)		7.80 +13.45 (1.20)
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

Hole continues on next sheet

Legend



Backfill



1 ⋈

2 ⋈

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	3.40	Remained at 3.40 m after 20 minutes.	3.50
2	5.20	Remained at 5.20 m after 20 minutes.	

Depth Related Remarks

Depths (m)	Remarks
0.00 - 24.20	SPT hammer ID SM28 (Er 66%) rod type NWY

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH1

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.25 mOD
Logged	CM	03/12/2015	Dando 100	0.00	24.20	150	4.00	**Coordinates (m)**	E 529625.39
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 24.20m.					**National Grid**	N 183142.60
Approved	SW	04/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 26							
11.00 - 11.45 11.00	SPTS D 27	N=26 (3,5/5,6,7,8)	4.00 dry 03/12/15 1800 4.00 dry 04/12/15 0800 4.00 dry					
12.00	D 28							
12.50 - 12.95	UT 29	50 blows 100% rec	4.00 dry					
13.00	D 30					(8.00)		
14.00 - 14.45 14.00	SPTS D 31	N=28 (3,4/6,7,7,8)	4.00 dry					
15.00	D 32							
15.50 - 15.95	UT 33	55 blows 100% rec	4.00 dry					
16.00	D 34						3	
17.00 - 17.45 17.00	SPTS D 35	N=24 (3,3/5,5,6,8)	4.00 damp	Very stiff fissured dark grey CLAY. Fissures are randomly orientated, closed and clean. (LONDON CLAY FORMATION)		17.00 +4.25		
18.00	D 36							
18.50 - 18.95	UT 37	55 blows 100% rec	4.00 damp			(3.00)		
19.00	D 38							
				Hole continues on next sheet		20.00 +1.25		

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
3	16.00	Remained at 16.00 m after 20 minutes.	

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole BH1

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.25 mOD
Logged	CM	03/12/2015	Dando 100 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 24.20m.	0.00	24.20	150	4.00	**Coordinates (m)**	E 529625.39
Checked	MM	**End**						**National Grid**	N 183142.60
Approved	SW	04/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00 - 20.45 20.00	SPTS D 39	N=31 (3,5/7,7,8,9)	4.00 damp	Very stiff dark grey silty CLAY with partings of dark grey silt. (LONDON CLAY FORMATION)		(1.20)		
21.00	D 40							
21.20	D 41					21.20 +0.05		
21.50 - 21.75	UT 42	90 blows 100% rec	4.00 damp	Very stiff fissured light grey mottled brown silty CLAY. Fissures are randomly orientated, closed and clean. (LAMBETH GROUP)		(1.30)		
21.80	D 43							
22.50	D 44			Very stiff reddish brown mottled bluish grey CLAY. (LAMBETH GROUP)		22.50 -1.25		
23.00 - 23.45 23.00	SPTS D 45	N=48 (4,6/9,11,12,16)	4.00 damp			(1.70)		
24.00	D 46		04/12/15 1800 4.00 damp			24.20 -2.95		
				END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole BH1

Borehole Log

Drilled	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.25 mOD
Logged TO	01/12/2015	Hand tools					**Coordinates (m)**	E 529625.39
Checked MM	**End**	Hand dug pit from GL to 0.40m.					**National Grid**	N 183142.60
Approved SW	01/12/2015	Pit terminated due to concrete obstruction.						

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			01/12/15 0.00 01/12/15 0.00	0800 0.00 0900 0.00	(TOPSOIL) Grass over brown clayey fine to coarse sand with occasional rootlets. (MADE GROUND) Brown gravelly fine to coarse SAND with a low cobble content. Gravel is angular to subangular, fine to coarse of brick and concrete. Cobbles are angular of brick. Rare wood fragments. END OF EXPLORATORY HOLE		(0.20) 0.20 +21.05 (0.20) 0.40 +20.85		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project No. D5061-15

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Borehole

BH1A

Sheet 1 of 1

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.81 mOD
Logged	CM	26/11/2015	Dando 100	0.00	20.45	150	1.50	**Coordinates (m)**	E 529657.69
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.					**National Grid**	N 183161.76
Approved	SW	27/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(TOPSOIL)		0.10 (0.10) +20.71		
0.20	D 2				Dark brown organic silty SAND.				
0.20	ES 1				(MADE GROUND)		(0.40)		
0.20 - 0.40	B 3	4 samples taken			Brown and grey gravelly silty SAND with low cobble content. Gravel is angular, fine to medium of brick and concrete. Cobbles are angular of brick and concrete.		0.50 +20.31		
0.50	D 5								
0.50	ES 4								
0.50 - 0.70	B 6	4 samples taken					(0.70)		
1.00	D 8				(MADE GROUND)				
1.00	ES 7				Soft grey mottled brown slightly gravelly CLAY.				
1.00 - 1.20	B 9	4 samples taken	0.00	1.10	Gravel is angular, fine to medium of brick and flint.		1.20 +19.61		
1.20 - 1.65	SPTS	N=8 (1,1/1,2,2,3)			Firm grey silty CLAY with occasional black staining and orange silt partings.				
1.20	D 10				(ALLUVIUM)				
1.50	ES 11	4 samples taken	26/11/15 1.50	1800 dry			(0.80)		
			27/11/15 1.50	0800 dry					
					Firm brown silty CLAY with numerous partings of orange silt.		2.00 +18.81		
2.20 - 2.65	UT 12	40 blows 100% rec	1.50	dry	(LONDON CLAY FORMATION)				
2.70	D 13								
3.20 - 3.65	SPTS	N=12 (1,2/2,3,3,4)	1.50	dry					
3.20	D 14								
4.20 - 4.65	UT 15	40 blows 100% rec	1.50	dry					
4.70	D 16						(5.70)		
5.20 - 5.65	SPTS	N=18 (2,3/3,4,5,6)	1.50	dry					
5.20	D 17								
6.00	D 18					6.00-7.00 Occasional selenite crystals and fissuring.			
6.50 - 6.95	UT 19	45 blows 100% rec	1.50	dry					
7.00	D 20								
7.70	D 21				Stiff dark grey CLAY with occasional partings of grey silt and burrows.		7.70 +13.11		
8.00 - 8.45	SPTS	N=19 (3,5/4,4,5,6)	1.50	dry	(LONDON CLAY FORMATION)				
8.00	D 22								
9.00	D 23								
9.50 - 9.95	UT 24	45 blows 100% rec	1.50	dry			(4.30)		
					Hole continues on next sheet	10.00 No burrows.			

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	1.10	Remained at 1.10 m after 20 minutes.	1.20

Depth Related Remarks

Depths (m)	Remarks
1.20 - 20.45	SPT hammer ID SM28 (Er 66%) rod type NWY

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH2

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.81 mOD
Logged	CM	26/11/2015	Dando 100 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.	0.00	20.45	150	1.50	**Coordinates (m)**	E 529657.69
Checked	MM	**End**						**National Grid**	N 183161.76
Approved	SW	27/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 25								
11.00 - 11.45 11.00	SPTS D 26	N=26 (3,5/5,6,7,8)	1.50	dry					
12.00	D 27				Stiff dark grey silty CLAY with numerous partings of grey silt. (LONDON CLAY FORMATION)		12.00 +8.81		
12.50 - 12.95	UT 28	45 blows 100% rec	1.50	dry					
13.00	D 29								
14.00 - 14.45 14.00	SPTS D 30	N=29 (3,5/6,7,8,8)	1.50	dry			(4.00)		
15.00	D 31								
15.50 - 15.95	UT 32	45 blows 100% rec	1.50	damp				2	
16.00	D 33				Stiff fissured dark grey CLAY with occasional partings of dark grey silt. Fissures are closely spaced, randomly orientated, closed and clean. (LONDON CLAY FORMATION)		16.00 +4.81		
17.00 - 17.45 17.00	SPTS D 34	N=29 (3,5/7,6,8,8)	1.50	damp					
18.00	D 35						(4.45)		
18.50 - 18.95	UT 36	45 blows 100% rec	1.50	damp					
19.00	D 37								

Hole continues on next sheet

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
2	15.50	Rose to 15.40 m after 20 minutes.	

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH2

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.81 mOD
Logged	CM	26/11/2015	Dando 100 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.	0.00	20.45	150	1.50	**Coordinates (m)**	E 529657.69
Checked	MM	**End**						**National Grid**	N 183161.76
Approved	SW	27/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00 - 20.45 20.00	SPTS D 38	N=33 (3,5/6,7,9,11)	1.50 27/11/15 1.50	damp 1800 damp	END OF EXPLORATORY HOLE		20.45 +0.36		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

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Borehole BH2

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.73 mOD
Logged	CM	30/11/2015	Dando 100	0.00	23.90	150	2.30	**Coordinates (m)**	E 529674.30
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 23.90m.					**National Grid**	N 183157.25
Approved	SW	01/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(TOPSOIL) Dark brown organic silty SAND with rootlets.		(0.25) 0.25 +20.48		
0.20 0.20 0.20 - 0.40 0.50 0.50 0.50 - 0.70	D 2 ES 1 B 3 D 5 ES 4 B 6				(MADE GROUND) Greyish brown gravelly SAND with low cobble content. Gravel and cobbles are angular of brick and concrete.		(0.60) 0.85 +19.88		
1.00 1.00 1.00 - 1.20 1.20 - 1.65 1.20	D 8 ES 7 B 9 SPTS D 10	N=7 (1,1/1,2,2,2)	0.00	dry	(MADE GROUND) Dark grey and brown gravelly CLAY. Gravel is angular of brick, occasional oyster shells and black ash.		(0.35) 1.20 +19.53		
1.70	ES 11				Firm grey slightly organic slightly sandy clayey SILT with occasional black staining (Possibly ALLUVIUM)		(1.00)		
2.20 - 2.65	UT 12	30 blows 100% rec	1.60	dry	Firm to stiff brown mottled grey CLAY with orangish brown silt partings. (LONDON CLAY FORMATION)		2.20 +18.53		
2.70	D 13								
3.20 - 3.65 3.20	SPTS D 14	N=14 (2,2/3,3,3,5)	2.30	dry					
4.20 - 4.65	UT 15	40 blows 100% rec	2.30	dry					
4.70	D 16					4.70-5.20 Occasional selenite crystals.	(5.50)		
5.20 - 5.65 5.20	SPTS D 17	N=15 (2,3/3,3,4,5)	2.30	dry					
6.20	D 18								
6.50 - 6.95	UT 19	40 blows 100% rec	2.30	dry					
			30/11/15 2.30	1800 dry					
7.00	D 20		01/12/15 2.30	0800 6.90		7.00 Fissured. Fissures are randomly orientated, closed and clean.			
7.70	D 21				Stiff fissured dark grey CLAY. Fissures are randomly orientated, closed and clean. (LONDON CLAY FORMATION)		7.70 +13.03		
8.00 - 8.45 8.00	SPTS D 22	N=18 (2,2/3,4,5,6)	2.30	damp			(1.30)		
9.00	D 23				Stiff dark grey silty CLAY with partings of dark grey silt. (LONDON CLAY FORMATION)		9.00 +11.73		
9.50 - 9.95	UT 24	45 blows 100% rec	2.30	dry					

Hole continues on next sheet

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)

Depth Related Remarks

Depths (m)	Remarks
0.00 - 23.90	SPT hammer ID SM28 (Er 66%) rod type NWY

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH3

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.73 mOD
Logged	CM	30/11/2015	Dando 100 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 23.90m.	0.00	23.90	150	2.30	**Coordinates (m)**	E 529674.30
Checked	MM	**End**						**National Grid**	N 183157.25
Approved	SW	01/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 25					10.00 Occasional burrows (up to 3mm Ø) infilled with grey silt.	(3.00)		
11.00 - 11.45 11.00	SPTS D 26	N=25 (2,4/6,6,6,7)	2.30	dry		11.00 Fissured. Fissures are randomly orientated, closed and clean.			
12.00	D 27				Very stiff dark grey silty CLAY with occasional partings of dark grey silt. (LONDON CLAY FORMATION)	12.00 Fissured. Fissures are randomly orientated, closed and clean.	12.00 +8.73		
12.50 - 12.95	UT 28	45 blows 100% rec	2.30	dry					
13.00	D 29								
14.00 - 14.45 14.00	SPTS D 30	N=27 (2,4/6,6,7,8)	2.30	dry					
15.00	D 31								
15.50 - 15.95	UT 32	45 blows 100% rec	2.30	dry					
16.00	D 33						(8.80)		
17.00 - 17.45 17.00	SPTS D 34	N=33 (3,6/7,7,9,10)	2.30	dry					
18.00	D 35					18.00 Occasional burrows (up to 3mm Ø) infilled with grey silt.			
18.50 - 18.85	UT 36	55 blows 100% rec	2.30	dry					
18.90	D 37								

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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

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Borehole BH3

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.73 mOD
Logged	CM	30/11/2015	Dando 100 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 23.90m.	0.00	23.90	150	2.30	**Coordinates (m)**	E 529674.30
Checked	MM	**End**						**National Grid**	N 183157.25
Approved	SW	01/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00 - 20.45 20.00	SPTS D 38	N=39 (3,6/8,9,10,12)	2.30	dry					
20.80	D 39						20.80 -0.07		
21.00 - 21.30	UT 40	70 blows 100% rec	2.30	dry	Very stiff fissured dark grey and light bluish grey mottled silty CLAY. Fissures are randomly orientated, closed and clean. (LAMBETH GROUP)		(1.20)		
21.35	D 41								
22.00 - 22.50	B 42						22.00 -1.27	1	
22.50 - 22.87 22.50	SPTS D 43	50 (7,12/12,14,24 for 70mm)	2.30	21.90	Very dense light bluish grey and brown mottled very silty fine SAND. (LAMBETH GROUP)		(1.90)		
			01/12/15 2.30	1800 21.90					
					END OF EXPLORATORY HOLE		23.90 -3.17		

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	22.00	Rose to 21.90 m after 20 minutes.	

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH3

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.15 mOD
Logged	EP	20/11/2015	Dando 3000	0.00	20.45	150	2.50	**Coordinates (m)**	E 529718.95
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.					**National Grid**	N 183231.91
Approved	SW	23/11/2015							

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.20	ES 2			
0.20	D 1	4 samples taken		
0.20 - 0.40	B 3			
0.50	ES 5			
0.50	D 4	4 samples taken		
0.50 - 0.60	B 6			
1.00	ES 8			
1.00	D 7	4 samples taken		
1.00 - 1.20	B 9		0.00	dry
1.20	D 10			
1.20 - 1.70	B 11			
1.20 - 1.65	SPTS	N=5 (1,1/1,1,1,2)		
1.70	ES 15	4 samples taken		
2.00	D 12			
2.20 - 2.65	UT 13	40 blows 100% rec	1.50	dry
			20/11/15	1800
			2.50	dry
2.70	D 14			
			23/11/15	0800
			2.50	dry
3.20	D 16			
4.20 - 4.60	UT 17	45 blows 100% rec	2.50	dry
4.65	D 18			
5.20	D 19		2.50	dry
5.20 - 5.65	SPTS	N=16 (1,2/3,4,4,5)		
6.20	D 20			
6.50 - 6.95	UT 21	45 blows 100% rec	2.50	dry
7.00	D 22			
7.80 - 8.00	B 23			
8.00	D 24		2.50	dry
8.00 - 8.45	SPTS	N=16 (2,3/4,3,4,5)		
9.00	D 25			
9.50 - 9.85	UT 26	50 blows 100% rec	2.50	damp
9.90	D 27			

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
(MADE GROUND) MACADAM.		0.10 (0.10) +20.05		
(MADE GROUND) Dark brown to black silty gravelly SAND with high cobble content. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of macadam and brick. Cobbles are angular of brick.		(0.40) 0.50 +19.65		
(MADE GROUND) Soft to firm brown slightly gravelly CLAY with low cobble content. Gravel is angular to subangular, fine to medium of brick. Cobbles are angular of brick.		(0.50) 1.00 +19.15		
(MADE GROUND) Soft dark greenish brown slightly gravelly CLAY. Gravel is angular to subangular, fine to medium of brick and macadam.		(0.50) 1.50 +18.65		
Firm becoming stiff brown mottled grey and orangish brown CLAY. (LONDON CLAY FORMATION)		(5.20)		
	4.65-5.20 Fine to medium gravel sized selenite crystals			
Firm to stiff fissured brownish grey CLAY. Fissures are randomly orientated, planar and smooth. (LONDON CLAY FORMATION)		6.70 +13.45		
	8.00 Fine to medium gravel sized claystone.	(2.30)		1
Stiff fissured dark grey CLAY. Fissures are randomly orientated, planar, undulating and smooth. (LONDON CLAY FORMATION)	9.00 Rare hard wood fragments (<5mm x 10mm).	9.00 +11.15		
	9.70-9.90 Rare infilled burrows with light grey silt (1mm x 20mm).			

Hole continues on next sheet

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	8.00	Rose to 7.90 m after 20 minutes. seepage	

Depth Related Remarks

Depths (m)	Remarks
1.20 - 20.45	SPT hammer ID SM22 (Er 72%) rod type NWY

Hard Boring

Depths (m)	Duration (mins)	Tools used
7.80 - 8.00	45	Chisel

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH4

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from**	**to**	**Diameter**	**Casing Depth**	**Ground Level**	20.15 mOD
Logged	EP	20/11/2015	Dando 3000	(m)	(m)	(mm)	(m)	**Coordinates (m)**	E 529718.95
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.	0.00	20.45	150	2.50	**National Grid**	N 183231.91
Approved	SW	23/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
11.00 11.00 - 11.45	D 28 SPTS	N=19 (1,3/3,5,5,6)	2.50	damp		11.00-12.00 Silty.	(5.00)		
12.00	D 29								
12.50 - 12.95	UT 30	50 blows 100% rec	2.50	damp					
13.00	D 31								
14.00 14.00 - 14.45	D 32 SPTS	N=29 (2,4/6,7,7,9)	2.50	damp	Stiff to very stiff fissured dark grey CLAY with partings of light brownish grey silt and rare silt infilled burrows (1mm x 10mm). (LONDON CLAY FORMATION)		14.00 +6.15		
15.00	D 33								
15.50 - 15.95	UT 34	55 blows 100% rec	2.50	damp					
16.00	D 35					16.00 Rare fine gravel sized pyrite.			
17.00 17.00 - 17.45	D 36 SPTS	N=26 (3,5/5,6,7,8)	2.50	damp			(6.45)		
18.00 - 18.95 18.00	UT 38 D 37	55 blows 100% rec	2.50	damp					
19.00	D 39								
					Hole continues on next sheet	20.00 Slightly sandy.			

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
2	15.50	Remained at 15.50 m after 20 minutes. seepage	

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH4

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.15 mOD
Logged	EP	20/11/2015	Dando 3000 Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.	0.00	20.45	150	2.50	**Coordinates (m)**	E 529718.95
Checked	MM	**End**						**National Grid**	N 183231.91
Approved	SW	23/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00 20.00 - 20.45	D 40 SPTS	N=32 (3,5/7,8,8,9)	2.50 23/11/15 2.50	damp 1800 damp					
					END OF EXPLORATORY HOLE		20.45 -0.30		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

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Borehole BH4

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.17 mOD
Logged		24/11/2015	Dando 100	0.00	20.45	150	1.80	**Coordinates (m)**	E 529745.67
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.					**National Grid**	N 183205.64
Approved	SW	25/11/2015							

Samples and Tests

Depth	Type & No	Records	Date / Casing	Time / Water
0.20	ES 2			
0.20	D 1			
0.20 - 0.40	B 3	4 samples taken		
0.50	ES 5			
0.50	D 4			
0.50 - 0.70	B 6	4 samples taken		
1.00	ES 8			
1.00	D 7			
1.00 - 1.20	B 9	4 samples taken	0.00	dry
1.20 - 1.65	SPTS	N=6 (1,1/1,1,2,2)		
1.20	D 10			
1.55	ES 11	4 samples taken		
2.20 - 2.65	UT 12	35 blows 100% rec	1.80	dry
2.70	D 13			
3.20 - 3.65	SPTS	N=12 (1,1/2,3,3,4)	1.80	dry
3.20	D 14			
4.20 - 4.65	UT 15	45 blows 100% rec	1.80	dry
			24/11/15	1800
			1.80	dry
4.70	D 16			
			25/11/15	0800
			1.80	dry
5.20 - 5.65	SPTS	N=15 (1,2/3,3,4,5)	1.80	dry
5.20	D 17			
6.20	D 18			
6.50 - 6.95	UT 19	45 blows 100% rec	1.80	dry
7.00	D 20			
8.00 - 8.45	SPTS	N=18 (5,4/3,4,5,6)	1.80	dry
8.00	D 21			
9.00	D 22			
9.50 - 9.95	UT 23	45 blows 100% rec	1.80	dry

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
(MADE GROUND) MACADAM.		0.10 (0.10) +20.07		
(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 fine to coarse. Cobbles are angular of brick. Occasional tile fragments.		(0.70)		
(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.		0.80 +19.37 (0.50) 1.30 +18.87		
Firm to stiff brown CLAY. (Possibly LONDON CLAY FORMATION)		(3.50)		
Firm to stiff brownish grey CLAY with occasional partings of fine orange silt. (LONDON CLAY FORMATION)	5.50-6.00 Rare fine to medium gravel size gypsum crystals.	4.80 +15.37		
Grey CLAYSTONE recovered as fine to coarse gravel. (LONDON CLAY FORMATION)		(3.20) 8.00 +12.17 (0.20) 8.20 +11.97		
Stiff to very stiff fissured dark grey CLAY with partings of light grey silt. Fissures are randomly orientated, planar and undulating. (LONDON CLAY FORMATION)				

Hole continues on next sheet

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)

Depth Related Remarks

Depths (m)	Remarks
0.00 - 20.45	SPT hammer ID SM28 (Er 66%) rod type NWY

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH5

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.17 mOD
Logged		24/11/2015	Dando 100	0.00	20.45	150	1.80	**Coordinates (m)**	E 529745.67
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.					**National Grid**	N 183205.64
Approved	SW	25/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 24								
11.00 - 11.45 11.00	SPTS D 25	N=22 (3,4/5,5,6,6)	1.80	dry			(5.80)		
12.00	D 26								
12.50 - 12.95	UT 27	45 blows 100% rec	1.80	dry					
13.00	D 28								
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 partings of light grey silt. Fissures are planar and undulating. (LONDON CLAY FORMATION)		14.00 +6.17		
15.00	D 30								
15.50 - 15.95	UT 31	45 blows 100% rec	1.80	dry					
16.00	D 32								
17.00 - 17.45 17.00	SPTS D 33	N=28 (3,5/6,6,8,8)	1.80	dry			(6.45)		
18.00	D 34								
18.50 - 18.95	UT 35	45 blows 100% rec	1.80	dry					
19.00	D 36								
					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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH5

Borehole Log

Drilled	PH/SS	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.17 mOD
Logged		24/11/2015	Dando 100	0.00	20.45	150	1.80	**Coordinates (m)**	E 529745.67
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 20.45m.					**National Grid**	N 183205.64
Approved	SW	25/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00 - 20.45 20.00	SPTS D 37	N=28 (3,5/5,6,8,9)	1.80 25/11/15 1.80	dry 1800 dry	END OF EXPLORATORY HOLE		20.45 -0.28		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole BH5

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	19.31 mOD
Logged	CM	16/12/2015	Dando 2000	0.00	2.80	150	2.50	**Coordinates (m)**	E 529794.98
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 2.80m.					**National Grid**	N 183206.13
Approved	SW	18/12/2015	Borehole terminated due to obstruction.						

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(TOPSOIL) Brown organic silty SAND with rootlets.		0.10 (0.10) +19.21		
0.30 - 1.00	B 4				(MADE GROUND) Brown silty gravelly slightly organic SAND with low cobble content. Gravel and cobbles are of brick, concrete and occasional oyster shells. Occasional boulder sized concrete fragments.				
0.30 - 1.50	ES 1								
0.60 - 2.00	ES 2						(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	B 5				(MADE GROUND) Brown and grey COBBLES and BOULDERS of brick and concrete with a little CLAY.		1.50 +17.81		
			16/12/15	1800 dry					
2.00 - 2.00	SPTC		2.50	dry					
2.00	ES 6		17/12/15	0800 dry			(1.30)		
2.25	D 7								
			17/12/15	1800 dry					
			2.50						
					END OF EXPLORATORY HOLE		2.80 +16.51		

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	150	Chisel
2.80 - 2.80	90	Chisel

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH6

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	17.80 mOD
Logged	CM	08/12/2015	Dando 2000	0.00	22.75	200	1.50	**Coordinates (m)**	E 529858.15
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 30.36m.	22.75	30.00	150	26.00	**National Grid**	N 183177.61
Approved	SW	15/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(TOPSOIL)		0.10 (0.10) +17.70		
0.30	ES 1				Brown organic silty SAND with rootlets.		(0.30)		
					(MADE GROUND)		0.40 +17.40		
0.60	ES 2				Grey silty SAND of ash.		(0.45)		
0.60 - 1.50	B 4				(MADE GROUND)		0.85 +16.95		
					Brown sandy GRAVEL with high cobble content. Gravel and cobbles are of brick and concrete. Occasional boulder sized concrete fragments.				
1.00	ES 3				Firm to stiff locally fissured brown CLAY with occasional orange veins and rootlets. (LONDON CLAY FORMATION)				
1.50 - 1.95	SPTS	N=9 (1,2/2,2,2,3)	1.50	dry					
1.50 - 1.95	D 5								
2.25	D 6					2.25-3.00 Gleying on fissure surfaces. 2.25-5.70 Clay is fissured.			
2.50 - 2.95	U 7	22 blows 100% rec	1.50	dry					
3.00	D 8					3.00-4.25 Occasional selenite crystals.			
3.25	D 9						(4.85)		
3.50 - 3.95	SPTS	N=15 (2,2/4,3,4,4)	1.50	dry					
3.50 - 3.95	D 10								
4.25	D 11								
4.50 - 4.95	U 12	17 blows 100% rec	1.50	dry					
5.00	D 13								
5.50	D 14								
							5.70 +12.10		
					Stiff fissured grey CLAY with occasional partings of grey silt. Fissures are randomly orientated, closed and clean. (LONDON CLAY FORMATION)				
6.00 - 6.45	SPTS	N=16 (2,2/3,4,4,5)	1.50	dry					
6.00 - 6.45	D 15								
7.00	D 16								
7.50 - 7.95	U 17	21 blows 100% rec	1.50	dry					
			08/12/15	1800					
8.00	D 18		1.50	dry		8.00 Occasional burrows (up to 2mm Ø) infilled with grey silt.			
			09/12/15	0800					
			1.50	dry					
8.50	D 19								
9.00 - 9.45	SPTS	N=25 (2,4/6,6,6,7)	1.50	dry		9.00-13.00 Silty.			
9.00	D 20								
					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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

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Borehole BH7

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	17.80 mOD
Logged	CM	08/12/2015	Dando 2000	0.00	22.75	200	1.50	**Coordinates (m)**	E 529858.15
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 30.36m.	22.75	30.00	150	26.00	**National Grid**	N 183177.61
Approved	SW	15/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 21								
10.50 - 10.95	U 22	31 blows 100% rec	1.50	dry					
11.00	D 23								
11.50	D 24								
12.00 - 12.45	SPTS	N=27 (2,3/6,7,7,7)	1.50	dry					
12.00 - 12.45	D 25								
			09/12/15	1800			(13.30)		
			1.50	dry					
			14/12/15	0800					
			1.50	dry					
13.00	D 26								
13.50 - 13.95	U 27	34 blows 100% rec	1.50	dry					
14.00	D 28								
14.50	D 29								
15.00 - 15.45	SPTS	N=26 (2,3/6,6,7,7)	1.50	dry					
15.00 - 15.45	D 30								
16.00	D 31								
16.50 - 16.95	U 32	29 blows 100% rec	1.50	dry					
17.00	D 33								
17.50	D 34								
18.00 - 18.45	SPTS	N=31 (3,3/7,8,8,8)	1.50	dry					
18.00 - 18.45	D 35								
19.00	D 36				Very stiff brown light bluish grey mottled silty CLAY. (LAMBETH GROUP)		19.00 -1.20		
19.50 - 19.95	U 37	40 blows 100% rec	1.50	dry			(1.50)		

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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

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Borehole BH7

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	17.80 mOD
Logged	CM	08/12/2015	Dando 2000	0.00	22.75	200	1.50	**Coordinates (m)**	E 529858.15
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 30.36m.	22.75	30.00	150	26.00	**National Grid**	N 183177.61
Approved	SW	15/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00	D 38								
20.50	D 39				Very stiff reddish brown and bluish grey mottled silty CLAY. (LAMBETH GROUP)		20.50 -2.70 (1.50)		
21.00 - 21.45	SPTS	N=40 (3,3/6,10,11,13)	1.50	dry					
21.00 - 21.45	D 40								
22.00	D 41				Very stiff fissured grey with occasional light bluish grey mottling CLAY. Fissures are randomly orientated, closed and clean. (LAMBETH GROUP)		22.00 -4.20 (0.25) 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 fine. (LAMBETH GROUP)				
22.75	D 43								
22.75 - 23.80	B 44						(1.75)		
24.00 - 24.45	SPTS	N=49 (2,3/7,11,14,17)	1.50	damp	Very stiff bluish grey CLAY. (LAMBETH GROUP)		24.00 -6.20		
24.00 - 24.45	D 45								
			14/12/15 1.50	1800 damp					
			15/12/15 24.00	0800 damp			(1.00)		
25.00	D 46				Very stiff dark grey sandy CLAY. Sand is fine. (LAMBETH GROUP)		25.00 -7.20		
25.30	D 47						(0.50)		
25.50 - 25.95	SPTS	N=49 (7,8/10,10,14,15)	24.00	25.50	Dense dark grey clayey SAND. Sand is fine. (LAMBETH GROUP)		25.50 -7.70		
25.50	D 48						(1.00)		
26.50	D 49				Very stiff reddish brown and bluish grey mottled CLAY with occasional orange silt lenses. (LAMBETH GROUP)		26.50 -8.70		
27.00 - 27.44	SPTS	50 (3,6/9,14,15,12 for 67mm)	26.00	dry					
27.00	D 50								
28.00	D 51						(3.00)		
28.50 - 28.88	SPTS	51 (4,7/12,14,25,0 for 0mm)	26.00	dry					
28.50	D 52								
29.50	D 53				Very stiff brown silty CLAY. (LAMBETH GROUP)		29.50 -11.70		
							(0.86)		

Hole continues on next sheet

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	22.75	Rose to 21.90 m after 20 minutes.	24.00
2	25.30	Rose to 21.80 m after 20 minutes.	26.00

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole BH7

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	17.80 mOD
Logged	CM	08/12/2015	Dando 2000	0.00	22.75	200	1.50	**Coordinates (m)**	E 529858.15
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Cable percussive boring from 1.20m to 30.36m.	22.75	30.00	150	26.00	**National Grid**	N 183177.61
Approved	SW	15/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
30.00 - 30.36 30.00	SPTS D 54	50 (7,10/11,17,22 for 62mm)	26.00 15/12/15 26.00	dry 1800 dry	END OF EXPLORATORY HOLE		30.36 -12.56		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole BH7

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.51 mOD
Logged	EP	03/12/2015	Pilcon	0.00	1.00	200	1.00	**Coordinates (m)**	E 529857.74
Checked	MM	**End**	CP	1.00	24.00	150	2.50	**National Grid**	N 183145.70
Approved	SW	04/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			03/12/15 0800 0.00	(MADE GROUND) Brick and concrete. (Driller's description)		(1.30)		
1.50 - 1.95 1.50	SPTS D 5	N=9 (1,1/2,2,2,3)	1.00	Firm brown silty CLAY with occasional light blue gleying and occasional partings of orange brown silt. (LONDON CLAY FORMATION)		1.30 +17.21		
2.00	ES 6					(1.70)		
2.25	D 7							
2.50 - 2.95	U 8	17 blows 100% rec						
2.95 - 3.00	D 9					3.00 +15.51		
3.25	D 10			Stiff brown fissured CLAY with occasional selenite crystals. Fissures are extremely to very closely spaced, randomly orientated and closed with gleying on surfaces. Occasional partings of orange brown silt. (LONDON CLAY FORMATION)				
3.50 - 3.95 3.50 - 3.95	SPTS D 11	N=16 (1,2/3,4,4,5)	2.50					
4.25	D 12							
4.50 - 4.95	U 13	17 blows 100% rec						
4.95 - 5.00	D 14					(4.00)		
5.50	D 15							
6.00 - 6.45 6.00 - 6.50	SPTS D 16	N=17 (1,2/3,4,4,6)	2.50					
7.00	D 17			Stiff dark grey CLAY with thin laminae of grey silt and occasional fine gravel sized mudstone nodules. (LONDON CLAY FORMATION)		7.00 +11.51		
7.45 - 7.95	U 18					(1.00)		
7.95 - 8.00	D 19			Stiff dark grey fissured CLAY. Fissures are close, clean and randomly orientated. (LONDON CLAY FORMATION)		8.00 +10.51		
8.50	D 20					(0.50)		
9.00 - 9.45 9.00 - 9.45	SPTS D 21	N=22 (2,4/4,6,6,6)	2.50	Stiff dark grey silty CLAY with numerous partings of dark grey SILT and occasional burrows (>2mm) infilled with grey silt. (LONDON CLAY FORMATION)		8.50 +10.01		
			03/12/15 1800 2.50 dry					
			04/12/15 0800 2.50 dry					
				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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH8

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.51 mOD
Logged	EP	03/12/2015	Pilcon	0.00	1.00	200	1.00	**Coordinates (m)**	E 529857.74
Checked	MM	**End**	CP	1.00	24.00	150	2.50	**National Grid**	N 183145.70
Approved	SW	04/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 22								
10.50	U 23	29 blows 100% rec					(4.50)		
10.95 - 11.00	D 24								
11.50	D 25								
12.00 - 12.45	SPTS	N=25 (2,4/4,6,7,8)	2.50						
12.00 - 12.45	D 26								
13.00	D 27				Stiff to very stiff dark grey silty CLAY with numerous partings of dark grey silt. (LONDON CLAY FORMATION)		13.00 +5.51		
13.50 - 13.95	U 28	31 blows 100% rec							
13.95 - 30.00	D 29								
14.50	D 30								
15.00 - 15.45	SPTS	N=22 (2,3/5,5,6,6)	2.50						
15.00 - 15.45	D 31								
16.00	D 32						(6.30)		
16.50 - 16.95	U 33	33 blows 1000% rec							
16.95 - 17.00	D 34								
17.50	D 35								
18.00 - 18.45	SPTS	N=25 (2,4/5,6,7,7)	2.50						
18.00 - 18.45	D 36								
19.30	D 37				Very stiff brown mottled bluish grey silty CLAY. (LAMBETH GROUP)		19.30 -0.79		
19.50 - 19.95	U 38	41 blows 100% rec							
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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH8

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.51 mOD
Logged	EP	03/12/2015	Pilcon	0.00	1.00	200	1.00	**Coordinates (m)**	E 529857.74
Checked	MM	**End**	CP	1.00	24.00	150	2.50	**National Grid**	N 183145.70
Approved	SW	04/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
						(1.70)		
20.50	D 40							
21.00 - 21.45	SPTS	N=37 (2,3/7,9,10,11)	2.50	Very stiff brown, red and bluish grey mottled silty CLAY. (LAMBETH GROUP)		21.00 -2.49		
21.00 - 21.45	D 41							
22.00	D 42							
						(2.70)		
22.50 - 22.95	U 43	62 blows 100% rec						
22.95 - 23.00	D 44							
23.50	D 45							
			04/12/15 1800 2.50 dry 2.50	Very stiff brown with light bluish grey mottling silty CLAY with fine and medium gravel sized calcareous mudstone nodules. (LAMBETH GROUP)		23.70 -5.19 (0.30)		
24.00 - 24.23	SPTS	28 (6,13/17,11 for 0mm)		END OF EXPLORATORY HOLE		24.00 -5.49		
24.00 - 24.30	D 46							

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH8

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.77 mOD
Logged	EP	18/12/2015	Dando 2000	0.00	25.00	200	3.30	**Coordinates (m)**	E 529872.85
Checked	MM	**End**	Hand dug pit to 1.00m, Cable percussion drilling from 1.00m to 25m.					**National Grid**	N 183126.44
Approved	SW	22/12/2015							

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
			18/12/15	0800
			0.00	
			18/12/15	1800
			0.00	Dry
1.20 - 1.50	B 5			
			21/12/15	0800
			0.00	Dry
1.50 - 1.95	SPTS	N=43 (3,14/14,9,13,7)		
1.50 - 1.95	D 6			
2.00 - 2.40	B 7			
2.40 - 2.70	B 8			
2.70	D 9			
2.70 - 3.50	B 10			
			21/12/15	1800
			3.30	Dry
3.50 - 3.95	U 11	14 blows 100% rec	~~3.20~~	~~Dry~~
			22/12/15	0800
			3.30	Dry
4.00	D 12			
4.25	D 13			
4.50 - 4.95	SPTS	N=14 (1,2/2,3,4,5)	3.20	
4.50 - 4.95	D 14			
5.50	D 15			
6.00 - 6.45	U 16	22 blows 100% rec	3.20	Dry
7.00	D 17			
7.10 - 7.40	D 18			
7.50 - 7.95	SPTS	N=16 (1,2/3,3,5,5)	3.20	
7.50 - 7.95	D 19			
8.50	D 20			
9.00 - 9.45	U 21	20 blows 100% rec	3.20	Dry
9.50	D 22			

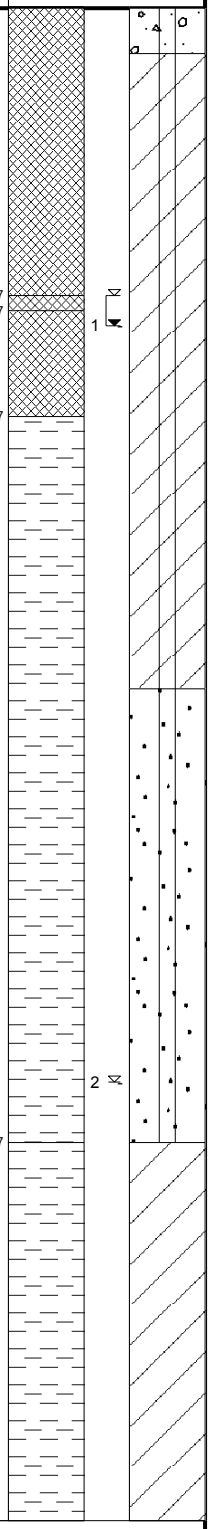
Strata Description

Main	Detail	Depth, Level (Thickness)
(MADE GROUND) Brick concrete and flagstones (Driller's description)		(1.90)
WOOD (Driller's description)		1.90 (0.10) +16.87 2.00 +16.77
(MADE GROUND) Brown sandy clayey GRAVEL with high cobble content. Gravel is subangular to angular fine to coarse of brick and concrete. Cobbles are of concrete and brick.		(0.70)
Firm becoming stiff brown CLAY with rare pockets of orange fine sand. (LONDON CLAY FORMATION)		2.70 +16.07
		(4.80)
	7.10-7.40 Very weak to weak dark grey claystone.	
Stiff brownish grey CLAY with rare silt infilled burrows. (LONDON CLAY FORMATION)		7.50 +11.27
		(3.00)

Hole continues on next sheet

Legend

Backfill



Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	2.10	Rose to 1.90 m after 20 minutes. Fast	2.70
2	7.10	Seepage	

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used
1.00 - 1.20	90	Chisel
1.20 - 2.10	420	Chisel
7.10 - 7.40	45	Chisel

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

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Borehole

BH9

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.77 mOD
Logged	EP	18/12/2015	Dando 2000 Hand dug pit to 1.00m, Cable percussion drilling from 1.00m to 25m.	0.00	25.00	200	3.30	**Coordinates (m)**	E 529872.85
Checked	MM	**End**						**National Grid**	N 183126.44
Approved	SW	22/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 23								
10.50 - 10.95	SPTS	N=20 (2,2/4,5,5,6)	3.20				10.50 +8.27		
10.50 - 10.95	D 24				Stiff to very stiff brownish grey silty CLAY with rare light grey silt infilled burrows. (LONDON CLAY FORMATION)				
11.50	D 25								
12.00 - 12.45	U 26	24 blows 100% rec	3.20	Dry					
12.50	D 27								
13.00	D 28								
13.50 - 13.95	D 29								
13.95 - 14.40	SPTS	N=26 (2,4/6,6,7,7)	3.20						
14.50	D 30								
15.00 - 15.45	U 31	28 blows 100% rec	3.20	Dry			(9.10)		
15.50	D 32								
16.00	D 33								
16.50 - 16.95	SPTS	N=27 (3,5/6,7,7,7)	3.20						
16.50 - 16.95	D 34								
17.50	D 35								
18.00 - 18.45	U 36	35 blows 100% rec	3.20	Dry					
18.50	D 37								
19.00	D 38								
19.50 - 19.95	SPTS	N=55 (5,7/9,14,16,16)	3.20						
19.50 - 19.95	D 39						19.60 -0.83		
					Very stiff brownish red mottled bluish grey CLAY. (LAMBETH GROUP)				

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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH9

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.77 mOD
Logged	EP	18/12/2015	Dando 2000 Hand dug pit to 1.00m, Cable percussion drilling from 1.00m to 25m.	0.00	25.00	200	3.30	**Coordinates (m)**	E 529872.85
Checked	MM	**End**						**National Grid**	N 183126.44
Approved	SW	22/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.50	D 40							
21.00 - 21.45	U 41	41 blows 100% rec	3.20 Dry					
21.50	D 42							
22.00	D 43					(4.90)		
22.50 - 22.88 22.50 - 22.95	SPTS D 44	50 (4,7/10,18,22 for 75mm)	3.20					
23.50	D 45							
24.00 - 24.35	U 46	80 blows 77% rec	3.20 Dry					
24.40	D 47			Very stiff brown mottled bluish grey gravelly CLAY. Gravel is subangular to angular fine to coarse of calcrete. (LAMBETH GROUP)		24.50 -5.73 (0.50)		
25.00	D 48		22/12/15 1800 3.30 Dry	END OF EXPLORATORY HOLE		25.00 -6.23		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project No. D5061-15

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Borehole

BH9

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.57 mOD
Logged	EP	04/01/2016	Dando 2000	0.00	30.30	200	2.80	**Coordinates (m)**	E 529881.14
Checked	MM	**End**	Hand dug pit to 1.20m, Cable percussion drilling from 1.20m to 30.30m.					**National Grid**	N 183138.30
Approved	SW	06/01/2016							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			04/01/16	0800 Dry	(MADE GROUND) Dark brown clayey sandy GRAVEL with high cobble content. Gravel is subangular to angular fine to coarse of brick and concrete. Sand is fine to coarse. Cobbles are angular of concrete.		(1.40)		
1.40	D 5						1.40 +17.17		
1.50 - 1.95	SPTS	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 subangular fine to coarse of flint and brick. Occasional wood fragments (Driller notes occasional sleepers). Slight hydrocarbon odour.		(0.85)		
1.50 - 1.95	D 6								
			04/01/16	1800					
			2.25	Dry					
2.25	D 7						2.25 +16.32		
			05/01/16	0800	Firm to stiff brown mottled grey CLAY. (LONDON CLAY FORMATION).				
2.50 - 2.95	U 8	27 blows 100% rec	2.25	Dry					
			2.80	Dry					
3.00	D 9					3.00-3.05 Weak light brown claystone.			
3.25	D 10								
3.50 - 3.95	SPTS	N=14 (1,2/3,3,4,4)	2.80	Dry			(2.75)		
3.50 - 3.95	D 11					3.70-3.75 Weak light brown claystone.			
4.25	D 12								
4.50 - 4.95	U 13	20 blows 100% rec	2.80	Dry					
5.00	D 14				Stiff brown mottled orange CLAY with fine sand partings and rare fine gravel sized gypsum crystals. (LONDON CLAY FORMATION).		5.00 +13.57		
5.50	D 15						(1.00)		
6.00 - 6.45	SPTS	N=16 (1,2/3,4,4,5)	2.80	Dry	Stiff to very stiff dark greyish brown CLAY with rare grey silt infilled burrows (<1mm x 4mm) and rare fine gravel sized pockets of black silt. (LONDON CLAY FORMATION).		6.00 +12.57		
6.00 - 6.45	D 16								
7.00	D 17								
7.50 - 7.95	U 18	22 blows 100% rec	2.80	Dry					
8.00	D 19								
8.50	D 20								
9.00 - 9.45	SPTS	N=19 (2,3/4,5,5,5)	2.80	Dry			(7.70)		
9.00 - 9.45	D 21								

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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Project Central Somers Town, London

Project No. D5061-15

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Borehole BH10

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from**	**to**	**Diameter**	**Casing Depth**	**Ground Level**	18.57 mOD
Logged	EP	04/01/2016	Dando 2000	(m)	(m)	(mm)	(m)	**Coordinates (m)**	E 529881.14
Checked	MM	**End**	Hand dug pit to 1.20m, Cable percussion drilling from 1.20m to 30.30m.	0.00	30.30	200	2.80	**National Grid**	N 183138.30
Approved	SW	06/01/2016							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
10.00	D 22								
10.50 - 10.95	U 23	25 blows 100% rec	2.80	Dry					
11.00	D 24								
11.50	D 25								
12.00 - 12.45	SPTS	N=24 (2,5/5,6,6,7)	2.80	Dry					
12.00 - 12.45	D 26								
13.00	D 27								
13.50 - 13.95	U 28	28 blows 100% rec	2.80	Dry					
					Very stiff dark brownish grey silty CLAY with rare grey silt infilled burrows (<1mm x 4mm). (LONDON CLAY FORMATION)		13.70 +4.87		
14.00	D 29								
14.50	D 30								
15.00 - 15.45	SPTS	N=28 (2,3/5,6,8,9)	2.80	Dry					
15.00 - 15.45	D 31								
16.00	D 32								
16.50 - 16.95	U 33	30 blows	2.80	Dry					
							(6.10)		
17.00	D 34								
17.50	D 35								
18.00 - 18.45	SPTS	N=36 (3,5/6,9,10,11)	2.80	Dry					
18.00 - 18.45	D 36								
19.00	D 37								
19.50 - 19.95	U 38	32 blows	2.80	Dry					
					Very stiff becoming hard brownish red mottled		19.80 -1.23		
					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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole BH10

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.57 mOD
Logged	EP	04/01/2016	Dando 2000	0.00	30.30	200	2.80	**Coordinates (m)**	E 529881.14
Checked	MM	**End**	Hand dug pit to 1.20m, Cable percussion drilling from 1.20m to 30.30m.					**National Grid**	N 183138.30
Approved	SW	06/01/2016							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Casing	Time / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
20.00	D 39				bluish grey CLAY. (LAMBETH GROUP)				
20.50	D 40								
21.00 - 21.45	SPTS	N=31 (4,4/6,7,9,9)	2.80	Dry					
21.00 - 21.45	D 41								
22.00	D 42								
22.50 - 22.95	U 43	47 blows	2.80	Dry					
23.00	D 44								
23.50	D 45								
24.00 - 24.45	SPTS	N=45 (4,8/10,10,11,14)	2.80	Dry					
24.00 - 24.45	D 46								
			05/01/16 2.80	1800 Dry					
25.00	D 47						(10.50)		
			06/01/16 2.80	0800 Dry					
25.50 - 25.95	U 48	41 blows	2.80	Dry					
26.00	D 49								
26.50	D 50								
27.00 - 27.45	SPTS	N=47 (3,5/8,10,12,17)	2.80	Dry					
27.00 - 27.45	D 51								
28.00	D 52								
28.50 - 28.95	U 53	53 blows	2.80	Dry					
29.00	D 54								
29.50	D 55								
					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 explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project No. D5061-15

Carried out for London Borough of Camden

Borehole

BH10

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	18.57 mOD
Logged	EP	04/01/2016	Dando 2000 Hand dug pit to 1.20m, Cable percussion drilling from 1.20m to 30.30m.	0.00	30.30	200	2.80	**Coordinates (m)**	E 529881.14
Checked	MM	**End**						**National Grid**	N 183138.30
Approved	SW	06/01/2016							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			06/01/16 1800 2.80 Dry					
30.30 - 30.69 30.30	SPTS D 56	50 (5,8/12,16,16,6 for 19mm)	2.80 Dry	END OF EXPLORATORY HOLE		30.30 -11.73		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

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Borehole

BH10

Trial Pit Log

Logged TO **Checked** MM **Approved** SW	**Start** 24/11/2015 **End** 24/11/2015	**Equipment, Methods and Remarks** JCB 3CX Machine excavated trial pit from GL to 2.20m. Terminated at 2.20m due to concrete obstruction.	**Dimension and Orientation** Width 0.80 m Length 2.00 m A / D / B / C 56 (Deg)	**Ground Level** 19.66 mOD **Coordinates (m)** E 529825.13 **National Grid** N 183181.90	

Samples and Tests

Strata Description

Depth	Type & No	Records	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			(TOPSOIL) Brown slightly clayey slightly gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to subangular, fine to coarse of brick, flint and sandstone.		(0.30)		
0.30 0.30 - 1.30	ES1 B4	4 samples taken	(MADE GROUND) Brown gravelly fine to coarse SAND with medium cobble content and occasional boulders. Gravel is angular to subangular, fine to coarse of flint, brick, concrete and sandstone. Cobbles are angular of brick and concrete. Boulders are angular of concrete. Occasional metal and wood fragments.		0.30 +19.36		
0.50 0.50	D5 ES2	4 samples taken					
1.00 1.00	D6 ES3	4 samples taken					
1.30 - 1.80	B9				(1.90)		
1.50 1.50	D8 ES7	4 samples taken					
2.00	D10						
2.20	D11		END OF EXPLORATORY HOLE		2.20 +17.46		

Groundwater Entries
No. Depth Strike (m) Remarks

Remarks
Depths (m) Remarks

Stability Stable
Shoring None
Weather Dry

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:25

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Borehole
TP4
Sheet 1 of 1

Trial Pit Log

Logged	TO	Start	Equipment, Methods and Remarks	Dimension and Orientation	Ground Level	19.52 mOD
Checked	MM	24/11/2015	JCB 3CX Machine excavated trial pit from GL to 1.80m. Trial pit terminated at 1.80m due to concrete obstruction.	Width 0.70 m Length 2.20 m A / D / B / C 76 (Deg)	Coordinates (m)	E 529862.48
Approved	SW	End 24/11/2015			National Grid	N 183128.37

Samples and Tests

Strata Description

Depth	Type & No	Records	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			(TOPSOIL) Brown slightly clayey fine to coarse SAND with occasional rootlets.		(0.20)		
					0.20 +19.32		
0.30 0.30 - 1.00	ES1 B4	4 samples taken	(MADE GROUND) Brown sandy gravelly CLAY with medium cobble content and occasional boulders. Gravel is angular to subangular, fine to coarse of brick, concrete, flint and sandstone. Cobbles are angular of brick and concrete. Boulders are angular of concrete. Rare fragments of glass, metal (including reinforcement bars) and wood.				
0.50 0.50	D5 ES2	4 samples taken					
1.00 1.00	D6 ES3	4 samples taken			(1.60)		
1.30 - 1.80	B8						
1.50 1.50	D9 ES7	4 samples taken					
1.80	D10		END OF EXPLORATORY HOLE		1.80 +17.72		

Groundwater Entries
No. Depth Strike (m) Remarks

Remarks
Depths (m) Remarks

Stability Stable
Shoring None
Weather Dry

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:25

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Borehole
TP5
Sheet 1 of 1

Trial Pit Log

Logged TO **Checked** MM **Approved** SW	**Start** 03/12/2015 **End** 03/12/2015	**Equipment, Methods and Remarks** Hand tools Hand excavated trial pit from GL to 0.30m. Terminated at 0.30m due to concrete obstruction.	**Dimension and Orientation** Width Length A D B C	**Ground Level** 21.06 mOD **Coordinates (m)** E 529628.63 **National Grid** N 183162.04	

Samples and Tests

Strata Description

Depth	Type & No	Records	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			(MADE GROUND) CONCRETE SLAB.		(0.10) 0.10 +20.96		
			(MADE GROUND) Brown slightly gravelly fine to coarse SAND. Gravel is angular to subrounded, fine to coarse of flint and sandstone.		(0.20)		
			END OF EXPLORATORY HOLE		0.30 +20.76		

Groundwater Entries
No. Depth Strike (m) Remarks

Remarks
Depths (m) Remarks

Stability Stable
Shoring N/A
Weather Cloudy

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole
HP2
Sheet 1 of 1

Trial Pit Log

Logged TO **Checked** MM **Approved** SW	**Start** 02/12/2015 **End** 02/12/2015	**Equipment, Methods and Remarks** Hand tools Hand excavated trial pit from GL to 1.20m.	**Dimension and Orientation** Width 0.40 m Length 0.50 m A / B / C / D 127 (Deg)	**Ground Level** 21.09 mOD **Coordinates (m)** E 529670.66 **National Grid** N 183187.92	

Samples and Tests

Strata Description

Depth	Type & No	Records	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
			(MADE GROUND) CONCRETE SLAB.		(0.10) 0.10 +20.99		
			(MADE GROUND) Brown gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular, fine to coarse of brick and concrete. Cobbles are angular of brick.		(1.10)		
			END OF EXPLORATORY HOLE		1.20 +19.89		

Groundwater Entries
No. Depth Strike (m) Remarks

Remarks
Depths (m) Remarks

Stability Stable
Shoring None
Weather Sunny

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:25

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Borehole
HP3
Sheet 1 of 1

Borehole Log

Drilled	BM/AM	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.11 mOD
Logged	EP	24/11/2015	Hand tools	0.00	0.30	283		**Coordinates (m)**	E 529661.28
Checked	MM	**End**	Hand dug inspection pit from GL to 0.30m.					**National Grid**	N 183180.07
Approved	SW	24/11/2015	Hole terminated at 0.30m due to limits of the breaker.						

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
				(MADE GROUND) MACADAM.		0.10 (0.10) +21.01		
				Strong grey CONCRETE. 70% matrix. 30% flint aggregate.		(0.20)		
				END OF EXPLORATORY HOLE		0.30 +20.81		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS2

Borehole Log

Drilled	GV	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.15 mOD
Logged	TO	24/11/2015	Hand dug inspection pit from GL to1.20m. Window sampling from 1.20m to 4.20m.	1.20	2.20	101		**Coordinates (m)**	E 529679.72
Checked	MM	**End**	Hole terminated at 4.20m during SPT due to refusal.	2.20	4.20	87		**National Grid**	N 183184.48
Approved	SW	24/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					CONCRETE.		0.10 (0.10) +21.05		
0.30	ES 1				(MADE GROUND) Brown sandy angular to subangular, fine to coarse GRAVEL of flint, brick and concrete with low cobble content. Frequent pieces of wood and porcelain. Sand is fine to coarse. Cobbles are angular of brick.		(0.60)		
0.30 - 1.20	B 4	4 samples taken							
0.50	ES 2	4 samples taken					0.70 +20.45		
1.00	ES 3	4 samples taken			(MADE GROUND) Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of brick, concrete and flint.		(0.50)		
1.20 - 1.65	SPTS	N=5 (0,0/1,1,2,1)					1.20 +19.95		
1.20	D 5								
1.50	D 6				(MADE GROUND) Brown slightly sandy gravelly CLAY. Sand is fine to medium, gravel is angular to subangular, fine to medium of brick and flint.				
2.00	ES 7	4 samples taken							
2.00	D 8								
2.20 - 2.65	SPTS	N=9 (2,0/1,2,3,3)							
2.50	D 9						(3.00)		
3.00	ES 10	4 samples taken							
3.20 - 3.65	SPTS	N=9 (2,2/2,2,2,3)							
3.50	D 11								
4.20 - 4.65	SPTS	N=30 (10,13/15,15,,)			END OF EXPLORATORY HOLE		4.20 +16.95		

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)

Depth Related Remarks

Depths (m)	Remarks
1.20 - 2.00	0.60m recovery
2.00 - 3.00	0.50m recovery
3.00 - 4.00	0.40m recovery

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS3

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.17 mOD
Logged	TO	25/11/2015	Hand dug inspection pit from GL to1.20m. Window sampling from 1.20m to 7.65m.	1.20	3.20	101		**Coordinates (m)**	E 529633.40
Checked	MM	**End**		3.20	5.20	87		**National Grid**	N 183144.21
Approved	SW	25/11/2015		5.20	6.20	77			
				6.20	7.20	67			

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.30	ES 1			
0.30 - 1.20	B 4	4 samples taken		
0.50	ES 2	4 samples taken		
1.00	ES 3	4 samples taken		
1.20 - 1.65	SPTS	1.20-2.00 0.70m recovery.		
1.20	D 5	N=4 (0,0/0,1,1,2)		
1.50	ES 7			
1.50	D 6	4 samples taken		
2.00	D 8	2.00-3.00 0.70m recovery.		
2.20 - 2.65	SPTS	N=7 (0,1/2,1,2,2)		
2.50	D 9			
3.00	D 10	3.00-4.00 0.60m recovery.		
3.20 - 3.65	SPTS	N=10 (2,2/2,2,3,3)		
3.50	D 11			
4.00	D 12	4.00-5.00 0.80m recovery.		
4.20 - 4.65	SPTS	N=31 (7,7/6,8,7,10)		
4.50	D 13			
5.00	D 14	5.00-6.00 0.70m recovery.		
5.20 - 5.65	SPTS	N=38 (8,9/9,8,10,11)		
5.50	D 15			
6.00	D 16	6.00-7.00 0.60m recovery.		
6.20 - 6.65	SPTS	N=38 (9,9/10,11,9,8)		
6.50	D 17			
7.00	D 18			
7.20 - 7.65	SPTS	N=37 (8,10/9,9,9,10)		

Strata Description

Main	Detail	Depth, Level (Thickness)
(MADE GROUND) Grass over brown slightly clayey fine to coarse SAND with occasional rootlets.		(0.20) 0.20 +20.97
(MADE GROUND) Brown gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete and flint. Cobbles are angular of brick.		(1.00)
Firm becoming stiff brown mottled grey silty CLAY. (LONDON CLAY FORMATION)		1.20 +19.97 (2.30)
Stiff brown mottled grey silty CLAY with occasional angular to subangular, fine to coarse gravel of siltstone. (LONDON CLAY FORMATION)		3.50 +17.67 (4.15)
END OF EXPLORATORY HOLE		7.65 +13.52

Legend

Backfill

1

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)
1	4.75		

Depth Related Remarks

Depths (m)	Remarks

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS4

Sheet 1 of 1

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.68 mOD
Logged	TO	25/11/2015	Hand dug inspection pit from GL to1.20m. Window sampling from 1.20m to 4.20m.	1.20	2.20	101		**Coordinates (m)**	E 529660.10
Checked	MM	**End**		2.20	4.20	87		**National Grid**	N 183153.09
Approved	SW	25/11/2015		4.20	6.20	77			
				6.20	7.20	67			

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.30	ES 1			
0.30 - 1.20	B 4	4 samples taken		
0.50	ES 2	4 samples taken		
1.00	ES 3	4 samples taken		
1.20 - 1.65	SPTS	N=4 (0,0/1,1,1,1)		
1.20	D 5			
1.60	ES 7			
1.60	D 6	4 samples taken		
2.00	D 8			
2.20 - 2.65	SPTS	N=8 (0,1/2,2,2,2)		
2.50	D 9			
3.00	D 10			
3.20 - 3.65	SPTS	N=13 (1,1/3,3,3,4)		
3.50	D 11			
4.00	D 12			
4.20 - 4.65	SPTS	N=16 (2,2/3,4,4,5)		
4.50	D 13			
5.00	D 14			
5.20 - 5.65	SPTS	N=18 (2,3/4,5,4,5)		
5.50	D 15			
6.00	D 16			
6.20 - 6.65	SPTS	N=18 (3,3/5,4,4,5)		
6.50	D 17			
7.00	D 18			
7.20 - 7.65	SPTS	N=24 (4,3/6,5,6,7)		

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
Grass over TOPSOIL.		0.10 (0.10) +20.58		
(MADE GROUND) Brown slightly clayey slightly gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to subangular, fine to coarse of brick, flint and concrete.		0.30 (0.20) +20.38		
(MADE GROUND) Brown slightly sandy gravelly CLAY with low cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete and flint. Sand is fine to medium. Cobbles are angular of brick and concrete.		1.20 (0.90) +19.48		
(MADE GROUND) Brown mottled grey slightly gravelly silty CLAY. Gravel is angular to subangular, fine to coarse of brick and concrete.		1.60 (0.40) +19.08		
Firm locally stiff brown mottled grey silty CLAY. (LONDON CLAY FORMATION)		3.00 (1.40) +17.68		
Stiff brown mottled grey CLAY. (LONDON CLAY FORMATION)		7.65 (4.65) +13.03		
END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS5

Sheet 1 of 1

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.72 mOD
Logged	TO	25/11/2015	Hand excavated inspection pit from GL to 1.20m. Window sampling from 1.20m to 2.20m.					**Coordinates (m)**	E 529674.16
Checked	MM	**End**	Terminated at 2.20m due to concrete obstruction.					**National Grid**	N 183157.31
Approved	SW	25/11/2015							

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.30	ES 1			
0.30 - 1.20	B 4	4 samples taken		
0.50	ES 2	4 samples taken		
1.00	ES 3	4 samples taken		
1.20	D 5			
1.50	D 6			
1.80	ES 7	4 samples taken		

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
Grass over TOPSOIL.		(0.20) 0.20 +20.52		
(MADE GROUND) Brown mottled grey sandy gravelly CLAY with low cobble content. Gravel is angular to subangular, fine to coarse of brick, flint and concrete with occasional pieces of metal and glass. Sand is fine to medium. Cobbles are angular of brick and concrete.		(0.60) 0.80 +19.92		
(MADE GROUND) Light brown mottled grey sandy GRAVEL with medium cobble content. Gravel is angular to subangular, fine of brick and concrete. Sand is fine to coarse. Cobbles are angular of brick.		(0.40) 1.20 +19.52		
(MADE GROUND) Brown sandy GRAVEL. Gravel is angular, fine to coarse of brick and concrete. Sand is fine to coarse.		(1.00)		
END OF EXPLORATORY HOLE		2.20 +18.52		

Groundwater Entries

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 (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS6

Sheet 1 of 1

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.16 mOD
Logged	TO	23/11/2015	Hand tools Hand dug inspection pit from GL to 0.50m. Hole terminated at 0.50m due to asbestos.					**Coordinates (m)**	E 529691.40
Checked	MM	**End**						**National Grid**	N 183166.57
Approved	SW	23/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					Grass over TOPSOIL.		0.10 (0.10) +21.06		
0.30	ES 1	4 samples taken			(MADE GROUND) Brown gravelly fine to coarse SAND with occasional asbestos fragments. Gravel is angular to subangular, fine to coarse of brick, concrete, flint, metal and glass.		(0.40)		
0.50	ES 2	4 samples taken					0.50 +20.66		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Project Central Somers Town, London

Project No. D5061-15

Carried out for London Borough of Camden

Borehole

WS7

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.16 mOD
Logged	TO	23/11/2015	Hand tools Hand dug inspection pit from GL to 0.57m. Hole terminated at 0.57m due to asbestos.					**Coordinates (m)**	E 529691.40
Checked	MM	**End**						**National Grid**	N 183166.57
Approved	SW	23/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					Grass over TOPSOIL.		0.10 (0.10) +21.06		
0.30	ES 1	4 samples taken			(MADE GROUND) Brown gravelly fine to coarse SAND with occasional asbestos. Gravel is angular to subangular, fine to coarse of brick, concrete, flint, metal and glass.		(0.47)		
0.50	ES 2	4 samples taken					0.57 +20.60		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS7B

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.20 mOD
Logged	TP	03/12/2015	Hand excavated inspection pit from GL to 1.20m. Window sampling from 1.20m to 7.65m.	1.20	2.20	101		**Coordinates (m)**	E 529643.14
Checked	MM	**End**		2.20	5.20	87		**National Grid**	N 183114.37
Approved	SW	03/12/2015		5.20	7.65	77			

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.30	ES 1			
0.30 - 1.20	B 4	4 samples taken		
0.50	ES 2	4 samples taken		
1.00	ES 3	4 samples taken		
1.20 - 1.65	SPTS	1.20-2.00 0.64m recovery		
1.20	D 5	N=9 (0,3/3,2,2,2)		
1.50	ES 7			
1.50	D 6	4 samples taken		
2.00	D 8	2.00-3.00 0.90m recovery		
2.20 - 2.65	SPTS	N=4 (0,0/2,2,0,0)		
2.60	D 10			
2.60	ES 9	4 samples taken		
3.00	D 11	3.00-4.00 0.90m recovery		
3.20 - 3.65	SPTS	N=11 (2,2/2,3,3,3)		
3.50	D 12			
4.00	D 13	4.00-5.00 0.90m recovery		
4.20 - 4.65	SPTS	N=16 (2,2/3,4,4,5)		
4.50	D 14			
5.00	D 15	5.00-6.00 0.90m recovery		
5.20 - 5.65	SPTS	N=17 (2,3/4,4,4,5)		
5.50	D 16			
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			
7.00	D 19			
7.20 - 7.65	SPTS	N=21 (4,3/5,4,6,6)		

Strata Description

Main	Detail	Depth, Level (Thickness)
(MADE GROUND) MACADAM.		0.10 (0.10) +21.10
(MADE GROUND) Brown slightly sandy gravelly CLAY with low cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete and sandstone. Sand is fine to medium. Occasional pieces of metal and glass. Cobbles are angular of concrete.		(0.50) 0.60 +20.60
(MADE GROUND) Light yellowish brown slightly gravelly SAND with low cobble content. Sand is fine to coarse. Gravel is angular to subangular, fine to coarse of brick and concrete. Cobbles are angular of brick and concrete.		(0.40) 1.00 +20.20
(MADE GROUND) Loose dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to subangular, fine to coarse of brick, concrete and sandstone.		(1.50)
Firm becoming stiff brown mottled grey slightly sandy CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)		2.50 +18.70
END OF EXPLORATORY HOLE		(5.15) 7.65 +13.55

Legend

Backfill

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS8

Sheet 1 of 1

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.05 mOD
Logged	TO	23/11/2015	Hand tools Hand dug inspection pit from GL to 0.47m. Hole terminated at 0.47m due to asbestos.					**Coordinates (m)**	E 529692.04
Checked	MM	**End**						**National Grid**	N 183147.17
Approved	SW	23/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					Grass over TOPSOIL.		0.10 (0.10) +20.95		
0.30	ES 1	4 samples taken			(MADE GROUND) Brown slightly clayey gravelly fine to coarse SAND with occasional asbestos fragments. Gravel is angular to subangular, fine to coarse of brick, concrete, flint, wood and glass.		(0.37)		
					END OF EXPLORATORY HOLE		0.47 +20.58		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS9

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.14 mOD
Logged	TO	23/11/2015	Hand tools Hand dug inspection pit from GL to 0.50m. Hole terminated at 0.50m due to concrete obstruction.					**Coordinates (m)**	E 529688.52
Checked	MM	**End**						**National Grid**	N 183138.69
Approved	SW	23/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					Grass over TOPSOIL.		0.10 (0.10) +21.04		
0.30	ES 1	4 samples taken			(MADE GROUND) Brown gravelly fine to coarse SAND with occasional metal fragments. Gravel is angular to subangular, fine to coarse of brick, concrete and flint.		(0.40)		
0.50	ES 2	4 samples taken					0.50 +20.64		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Borehole

WS9A

Borehole Log

Drilled	GW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	21.16 mOD
Logged	TO	24/11/2015	Hand dug inspection pit from GL to 1.20m. Window sampling from 1.20m to 1.65m.	1.20	1.50	101		**Coordinates (m)**	E 529688.51
Checked	MM	**End**	Hole terminated during SPT due to refusal.					**National Grid**	N 183138.97
Approved	SW	24/11/2015							

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.30	ES 1			
0.30 - 1.20	B 4	4 samples taken		
0.50	ES 2			
1.00	ES 3	4 samples taken		
1.20 - 1.65	SPTS	N=3 (0,0/0,1,1,1)		
1.20	D 5			
1.40	D 6			

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
Grass over TOPSOIL.		0.10 (0.10) +21.06		
(MADE GROUND) Brown slightly clayey gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete and flint. Cobbles are angular of brick.		(0.30) 0.40 +20.76		
(MADE GROUND) Brown mottled grey slightly sandy gravelly CLAY with low cobble content. Gravel is angular to subangular, fine to coarse of brick, concrete, flint and sandstone. Sand is fine to medium. Cobbles are angular of brick.		(1.25)		
END OF EXPLORATORY HOLE		1.65 +19.51		

Groundwater Entries

No.	Depth Strike (m)	Remarks	Depth Sealed (m)

Depth Related Remarks

Depths (m)	Remarks
1.20 - 1.50	0.15m recovery.

Hard Boring

Depths (m)	Duration (mins)	Tools used

Notes: For explanation of symbols and abbreviations see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS9B

Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.27 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to 0.20m.					**Coordinates (m)**	E 529698.52
Checked	MM	**End**	Terminated at 0.20m due to probable asbestos.					**National Grid**	N 183203.05
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
				(MADE GROUND) MACADAM.		0.10 (0.10) +20.17		
				(MADE GROUND) Dark brown sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick, macadam and concrete. Sand is fine to coarse. Possible asbestos material observed.		0.20 (0.10) +20.07		
				END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Borehole

WS10

Borehole Log

Drilled	BW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.27 mOD
Logged	EP	09/12/2015	Hand excavated inspection pit from GL to 1.20m. Window sampling from 1.20m to 4.65m.	1.20	3.20	101		**Coordinates (m)**	E 529698.52
Checked	MM	**End**	Terminated at 4.6m due to collapse of hole.	3.20	4.20	87		**National Grid**	N 183203.05
Approved	SW	09/12/2015							

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water
0.20	ES 1	4 samples taken		
0.70	ES 2	4 samples taken		
1.20 - 1.65	SPTS	N=4 (0,0/0,1,1,2)		
1.20	D 3			
1.90	D 4			
2.00	D 5			
2.20 - 2.65	SPTS	N=11 (1,2/2,3,3,3)		
2.50	ES 6	4 samples taken		
3.00	D 7			
3.20 - 3.65	SPTS	N=13 (1,3/2,3,4,4)		
3.50	D 8			
4.00	D 9			
4.20 - 4.65	SPTS	N=34 (5,5/7,10,8,9)		

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
(MADE GROUND) MACADAM.		0.10 (0.10) +20.17		
(MADE GROUND) Brown slightly clayey becoming clayey sandy GRAVEL with occasional cobbles. Gravel is angular to subrounded, fine to coarse of brick, macadam and flint. Sand is fine to coarse.		(0.70)		
Firm becoming stiff brown mottled bluish grey CLAY. (LONDON CLAY FORMATION)		0.80 +19.47		
		(3.85)		
END OF EXPLORATORY HOLE		4.65 +15.62		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Borehole

WS10A

Sheet 1 of 1

Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.12 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to 0.40m.					**Coordinates (m)**	E 529717.88
Checked	MM	**End**	Terminated at 0.40m due to service.					**National Grid**	N 183219.30
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
				(MADE GROUND) MACADAM.		0.10 (0.10) +20.02		
				(MADE GROUND) Dark brown sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick and macadam. Sand is fine to coarse. Possible asbestos material observed.		(0.30)		
				END OF EXPLORATORY HOLE		0.40 +19.72		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS11

Sheet 1 of 1

Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.12 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to 0.50m.					**Coordinates (m)**	E 529717.88
Checked	MM	**End**	Terminated at 0.50m due to possible asbestos.					**National Grid**	N 183219.30
Approved	SW	05/12/2015							

Samples and Tests

Depth	Type & No	Records	Date Casing	Time Water

Strata Description

Main	Detail	Depth, Level (Thickness)	Legend	Backfill
(MADE GROUND) MACADAM.		0.10 (0.10) +20.02		
(MADE GROUND) Dark brown sandy GRAVEL with high cobble content. Gravel is angular to subrounded, fine to coarse of brick and macadam. Sand is fine to coarse.		(0.40)		
END OF EXPLORATORY HOLE		0.50 +19.62		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Borehole

WS11A

Borehole Log

Drilled		Start	Equipment, Methods and Remarks	Depth from (m)	to (m)	Diameter (mm)	Casing Depth (m)	Ground Level	20.12 mOD
Logged	EP	09/12/2015						Coordinates (m)	E 529717.88
Checked	MM	End	Hand excavated inspection pit from GL to 0.20m. Terminated at 0.20m due to inability to break out.					National Grid	N 183219.30
Approved	SW	09/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(MADE GROUND) MACADAM.		0.10 (0.10) +20.02		
					(MADE GROUND) Dark brown GRAVEL with occasional cobbles. Gravel is angular to subangular, fine to coarse of brick and macadam.		0.20 (0.10) +19.92		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS11B

Borehole Log

Drilled	BW/AM	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.20 mOD
Logged	EP	21/11/2015	Hand tools					**Coordinates (m)**	E 529730.27
Checked	MM	**End**	Hand dug inspection pit from GL to 0.20m.					**National Grid**	N 183233.82
Approved	SW	21/11/2015	Hole terminated at 0.20m due to asbestos.						

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
0.20	D 1				(MADE GROUND) MACADAM.		0.10 (0.10) +20.10		
					(MADE GROUND) Dark brown to black sandy angular to subrounded, fine to coarse GRAVEL of brick, macadam and probable asbestos with high cobble content. Cobbles are angular of brick.		0.20 (0.10) +20.00		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS12

Borehole Log

Drilled	BW/AM	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.20 mOD
Logged	EP	21/11/2015	Hand tools Hand dug inspection pit from GL to 0.20m. Hole terminated at 0.20m due to asbestos.					**Coordinates (m)**	E 529730.27
Checked	MM	**End**						**National Grid**	N 183233.82
Approved	SW	21/11/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
0.20	D 1				(MADE GROUND) MACADAM. (MADE GROUND) Dark brown to black sandy angular to subrounded GRAVEL of brick, macadam and probable asbestos with high cobble content. Cobbles are angular of brick. END OF EXPLORATORY HOLE		0.10 (0.10) +20.10 0.20 (0.10) +20.00		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS12A

Borehole Log

Drilled		Start	Equipment, Methods and Remarks	Depth from (m)	to (m)	Diameter (mm)	Casing Depth (m)	Ground Level	20.32 mOD
Logged	EP	05/12/2015						Coordinates (m)	E 529706.96
Checked	MM	End	Hand excavated inspection pit from GL to 0.20m. Terminated at 0.20m due to possible asbestos.					National Grid	N 183186.22
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(MADE GROUND) Cobble paving.		0.10 (0.10) +20.22		
					(MADE GROUND) Dark brown sandy GRAVEL with high cobble content. Gravel is angular to subrounded, fine to coarse of brick. Sand is fine to coarse.		0.20 (0.10) +20.12		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS13

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Borehole Log

Drilled	BW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.32 mOD
Logged	EP	08/12/2015	Hand excavated inspection pit from GL to 0.85m.					**Coordinates (m)**	E 529706.96
Checked	MM	**End**	Terminated at 0.85m due to concrete obstruction.					**National Grid**	N 183186.22
Approved	SW	08/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
				(MADE GROUND) Cobble paving.		0.10 (0.10) +20.22		
0.50 - 0.80	B 1			(MADE GROUND) Dark brown sandy GRAVEL with high cobble content. Gravel is angular to subangular, fine to coarse of brick and concrete. Sand is fine to coarse. Possible asbestos material observed.		(0.75)		
				END OF EXPLORATORY HOLE		0.85 +19.47		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:50

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Borehole

WS13A

Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.27 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to 0.80m.					**Coordinates (m)**	E 529738.05
Checked	MM	**End**	Terminated at 0.70m due to void and collapse of hole.					**National Grid**	N 183205.94
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
				(MADE GROUND) MACADAM.		0.10 (0.10) +20.18		
				(MADE GROUND) Brown COBBLES with some angular to subangular fine to coarse GRAVEL of brick and macadam.		(0.60)		
				END OF EXPLORATORY HOLE		0.70 +19.58		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS14

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Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.24 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to 0.40m.					**Coordinates (m)**	E 529739.68
Checked	MM	**End**	Terminated at 0.40m due to brick obstruction.					**National Grid**	N 183208.18
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date / Time Casing / Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
				(MADE GROUND) MACADAM.		0.10 (0.10) +20.14		
				(MADE GROUND) Dark brown sandy GRAVEL. Gravel is angular to subangular, fine to coarse of brick and macadam. Sand is fine to coarse.		(0.30)		
				END OF EXPLORATORY HOLE		0.40 +19.84		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS14A

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Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.24 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to 0.10m.					**Coordinates (m)**	E 529706.96
Checked	MM	**End**	Terminated at 0.10m due to bitumen obstruction.					**National Grid**	N 183208.18
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(MADE GROUND) MACADAM.		0.10 (0.10) +20.14		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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Borehole

WS14B

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Borehole Log

Drilled	JW	**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.19 mOD
Logged	EP	05/12/2015	Hand excavated inspection pit from GL to .20m.					**Coordinates (m)**	E 529743.55
Checked	MM	**End**	Terminated at 0.20m due to probable asbestos.					**National Grid**	N 183217.36
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(MADE GROUND) MACADAM.		0.10 (0.10) +20.09		
					(MADE GROUND) Dark brown sandy GRAVEL. Gravel is angular to subangular, fine to coarse of brick. Sand is fine to coarse.		0.20 (0.10) +19.99		
					END OF EXPLORATORY HOLE				

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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WS15

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Borehole Log

Drilled		**Start**	**Equipment, Methods and Remarks**	**Depth from (m)**	**to (m)**	**Diameter (mm)**	**Casing Depth (m)**	**Ground Level**	20.19 mOD
Logged	EP	05/12/2015						**Coordinates (m)**	E 529743.55
Checked	MM	**End**	Hand excavated inspection pit from GL to 1.20m. Window sampling from 1.20m to 7.00m.					**National Grid**	N 183217.36
Approved	SW	05/12/2015							

Samples and Tests

Strata Description

Depth	Type & No	Records	Date Casing	Time Water	Main	Detail	Depth, Level (Thickness)	Legend	Backfill
					(MADE GROUND) MACADAM.		0.10 (0.10) +20.09		
0.50	D 2				(MADE GROUND) Dark brown gravelly SAND. Sand is fine to coarse. Gravel is angular to subrounded, fine to coarse of brick, macadam and concrete. Possible asbestos material observed.		(0.70)		
0.50	ES 1	4 samples taken							
0.80	D 4						0.80 +19.39		
0.80	ES 3	4 samples taken			(MADE GROUND) Dark brown clayey sandy GRAVEL. Gravel is angular to subrounded, fine to coarse of brick, macadam and concrete. Sand is fine to coarse.				
1.20	D 5						(1.40)		
1.90	D 6								
2.00	D 7								
2.20	ES 8	4 samples taken					2.20 +17.99		
					Firm becoming stiff brown mottled bluish grey CLAY. (LONDON CLAY FORMATION)				
3.00	D 9								
3.50	D 10								
4.00	D 11								
4.50	D 12						(4.80)		
5.00	D 13								
6.00	D 14								
6.50	D 15								
7.00	D 16				END OF EXPLORATORY HOLE		7.00 +13.19		

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 see Key to Exploratory Hole Records. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

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