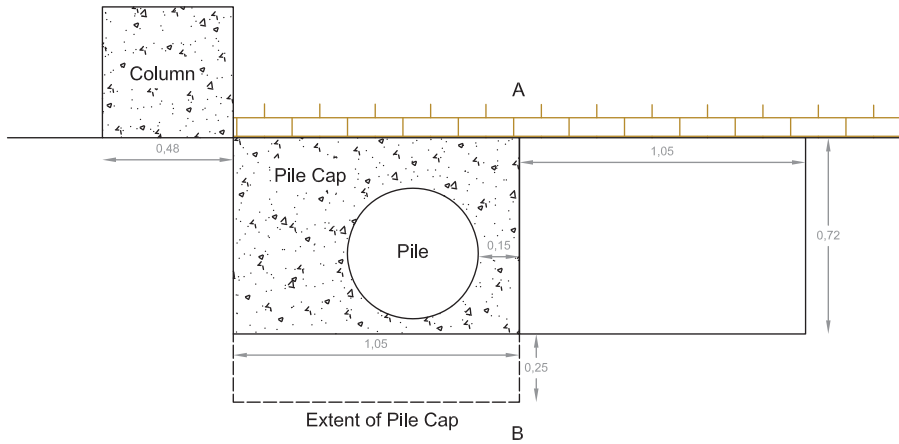
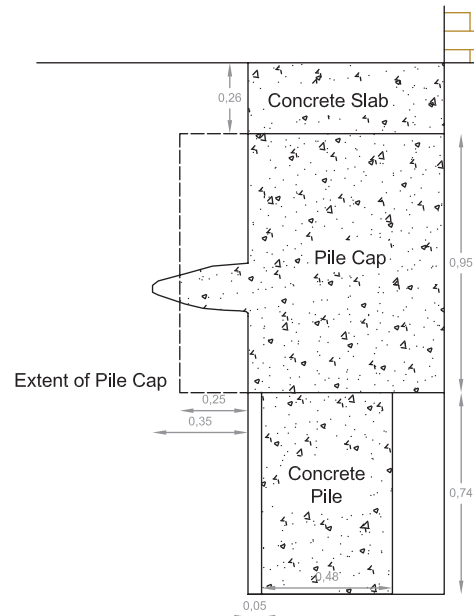


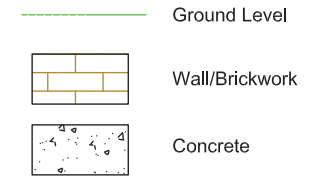
TP101 Plan View



TP101 Cross Section A - B

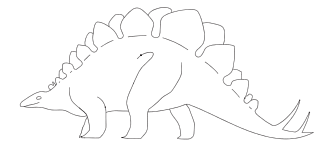


Key:



Notes:

All dimensions are in metres



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WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES - TP101

Drawn By: GJS

Checked By: SD

Paper Size: A3

Scale: 1:20@A3

Date: July 2012

Contract: 26827

Figure:

TRIAL PIT LOG



TP102

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 18 May 2012 Easting 529369.7

Scale 1 : 25

End Date 12 June 2012 Northing 181939.0 Ground level 25.41mOD

Depth 1.95 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Grey and off white CONCRETE. (MADE GROUND)	0.30	25.11	
	1D*		0.50	Brown locally greyish brown clayey sandy angular to subrounded fine to coarse brick, ceramic, concrete, flint and charcoal GRAVEL with frequent brick and concrete cobbles and rare medium gravel sized bone and metal fragments. (MADE GROUND)			
	2B		0.80		0.85	24.56	
	3D*		1.00	Brown locally dark brown clayey gravelly fine to coarse SAND with occasional subangular brick and concrete cobbles and occasional medium gravel sized bone and shell fragments. Gravel is angular to subrounded fine to coarse brick, charcoal, concrete, flint (MADE GROUND)			
	4B		1.20	0.90 - 1.20m: Occasional medium gravel sized pockets of black partially decomposed organic material. 1.30 - 1.50m: Occasional medium and coarse gravel sized ceramic pipe fragments.			
	5D*		1.50				
				Soft dark brownish grey frequently stained black slightly gravelly locally gravelly sandy CLAY with organic odour and frequent medium and coarse gravel sized fragments of bone. Gravel is angular to subrounded fine to coarse brick and concrete. (MADE GROUND)	1.80	23.61	
				Trial pit completed at 1.95m.	1.95	23.46	

Notes

Concrete surface broken out using floor saw and hydraulic breaker.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

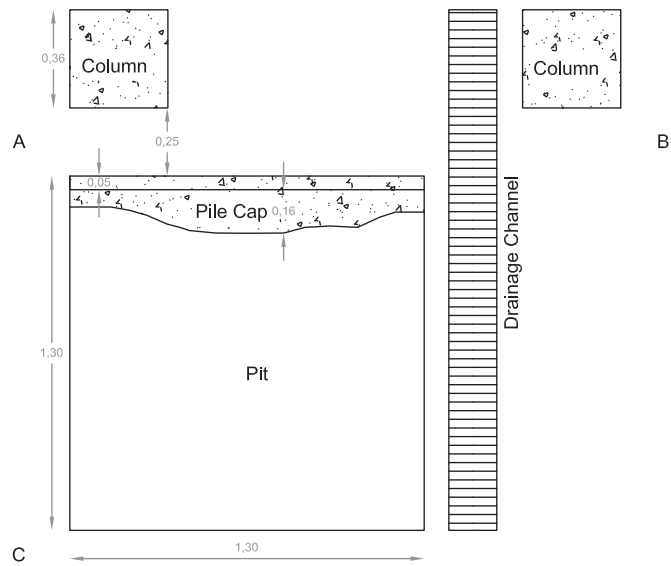
Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL.JH.GPJ GEOTECH.GLB 15/10/2012 09:45:25 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS



CONTRACT	CHECKED
26827	CT

TP102 Plan View



TP102 Cross Section A - B



TP102 Cross Section A - C



Key:

- Ground Level
- Wall/Brickwork
- Concrete

Notes:
All dimensions are in metres

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Client:
WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site:
FITZROVIA REDEVELOPMENT

Title:
TRIAL PIT SKETCHES - TP102

Drawn By: GJS Checked By: SD Paper Size: A3

Scale: 1:20@A3 Date: July 2012

Contract: 26827 Figure:

TRIAL PIT LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

TP103

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 18 May 2012 Easting 529333.8

Scale 1 : 25

End Date 12 June 2012 Northing 181908.9 Ground level 25.33mOD

Depth 1.70 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Black TARMACADAM (MADE GROUND)	0.05	25.28	
				Light grey and off-white CONCRETE. (MADE GROUND)			
					0.37	24.96	
	1D*	Vo 0.00	0.50	Brown locally reddish brown clayey gravelly fine to coarse SAND with occasional subangular medium gravel sized bone, metal and shell fragments and occasional subangular brick and concrete cobbles. Gravel is angular to subrounded fine to coarse flint, charcoal, brick and concrete. (MADE GROUND)			
	2D*	Vo 1.10	1.00				
					1.25	24.08	
	3D*	Vo 0.00	1.50	Soft locally firm dark greyish brown frequently stained black slightly gravelly sandy CLAY with faint organic odour and rare medium and coarse gravel sized shell fragments. Gravel is subangular and subrounded fine to coarse brick, concrete, flint, and charcoal. (MADE GROUND)			
				Trial pit completed at 1.70m.	1.70	23.63	

Notes

Concrete surface broken out using floor saw and hydraulic breaker.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

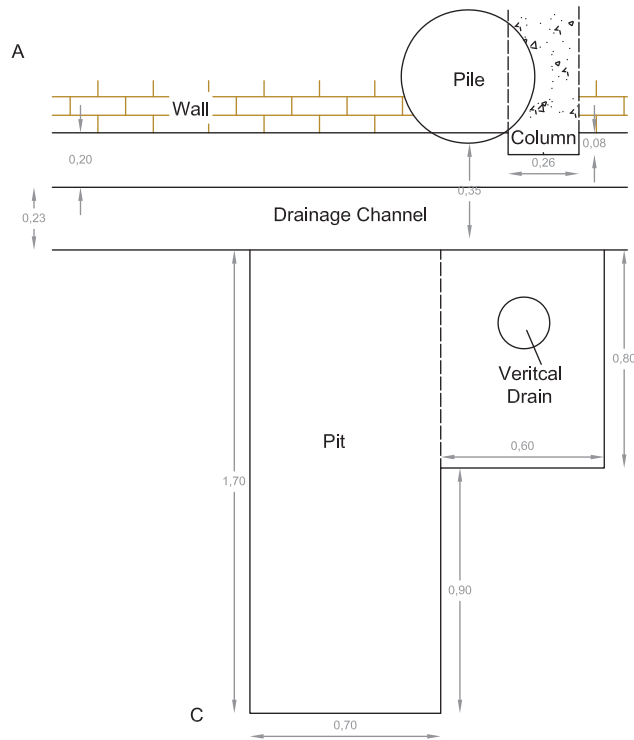
Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:26 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

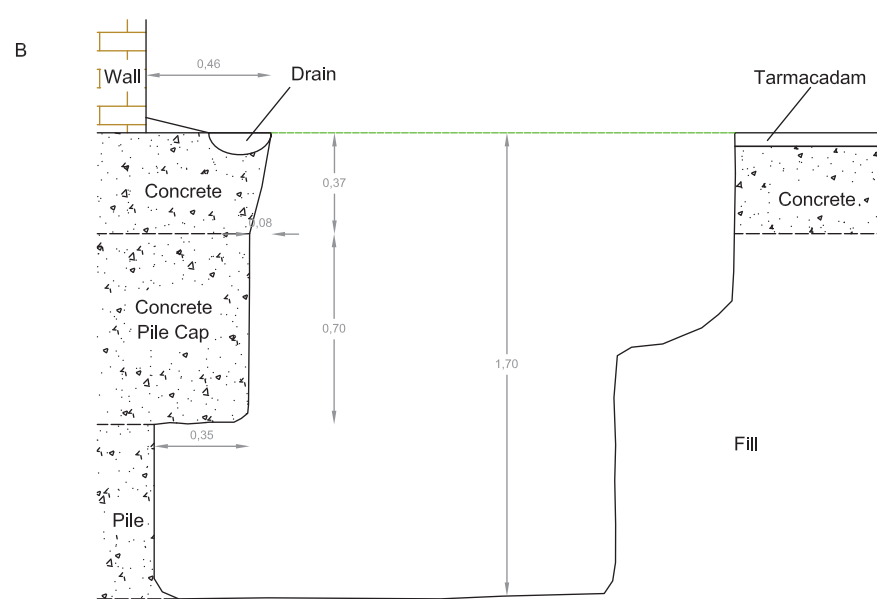


CONTRACT	CHECKED
26827	CT

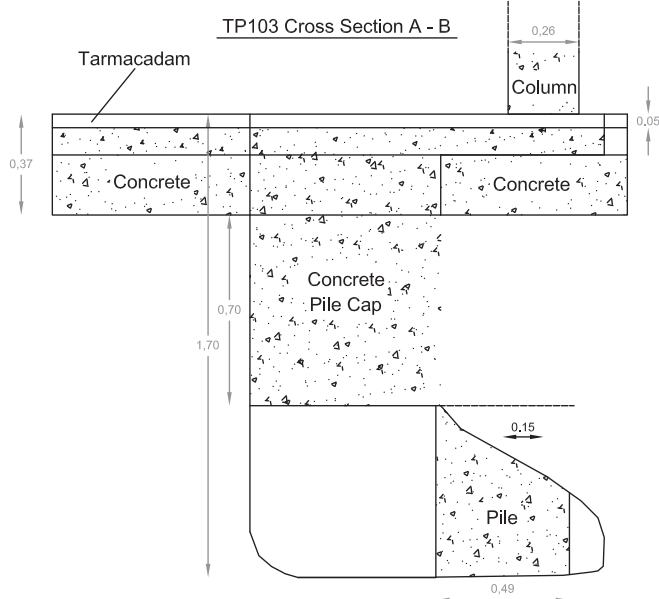
TP103 Plan View



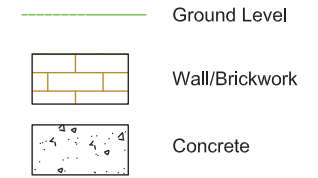
TP103 Cross Section A - C



TP103 Cross Section A - B

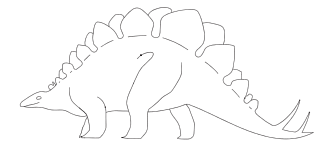


Key:



Notes:

All dimensions are in metres



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Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES - TP103

Drawn By: GJS

Checked By: SD

Paper Size: A3

Scale: 1:20@A3

Date: July 2012

Contract: 26827

Figure:



TRIAL PIT LOG



TP104

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 18 May 2012 Easting 529343.6

Scale 1 : 25

End Date 12 June 2012 Northing 181894.5 Ground level 25.29mOD

Depth 1.95 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Black TARMACADAM (MADE GROUND)	0.15	25.14	
				Light grey and off-white CONCRETE. (MADE GROUND)			
		1D*	0.80	Brown locally reddish brown clayey gravelly fine to coarse SAND with occasional subangular medium gravel sized bone, metal and shell fragments and occasional subangular brick and concrete cobbles. Gravel is angular to subrounded fine to coarse flint, charcoal, brick and concrete. (MADE GROUND)	0.75	24.54	
		2B	1.00				
		3D*	1.50				
		4D*	1.90	Soft dark brown and greyish brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse brick and concrete. (MADE GROUND)	1.75	23.54	
			Trial pit completed at 1.95m.	1.95	23.34		

Notes

Concrete surface broken out using floor saw and hydraulic breaker.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

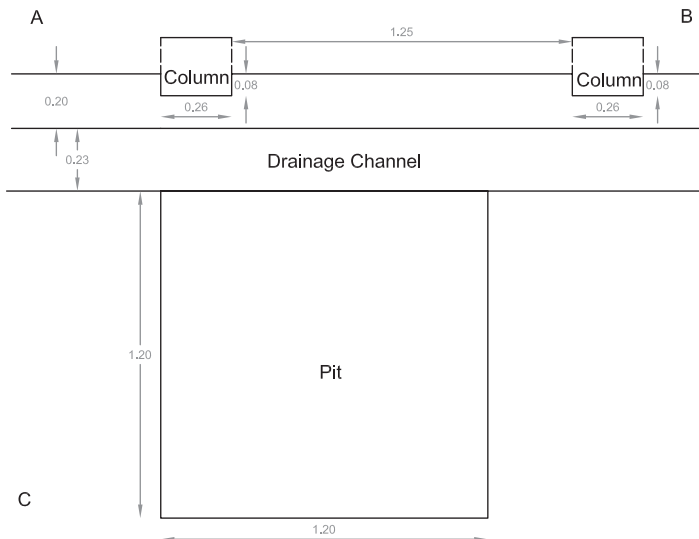
Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:27 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

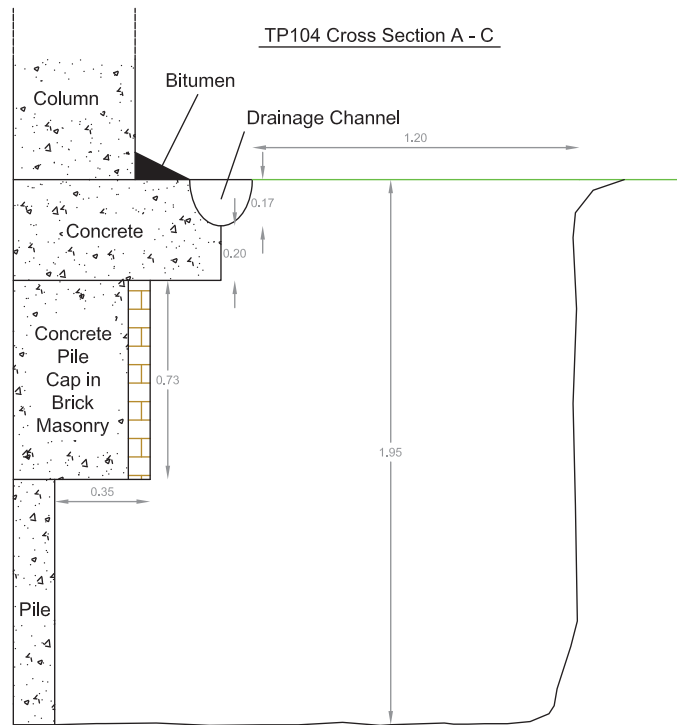


CONTRACT	CHECKED
26827	CT

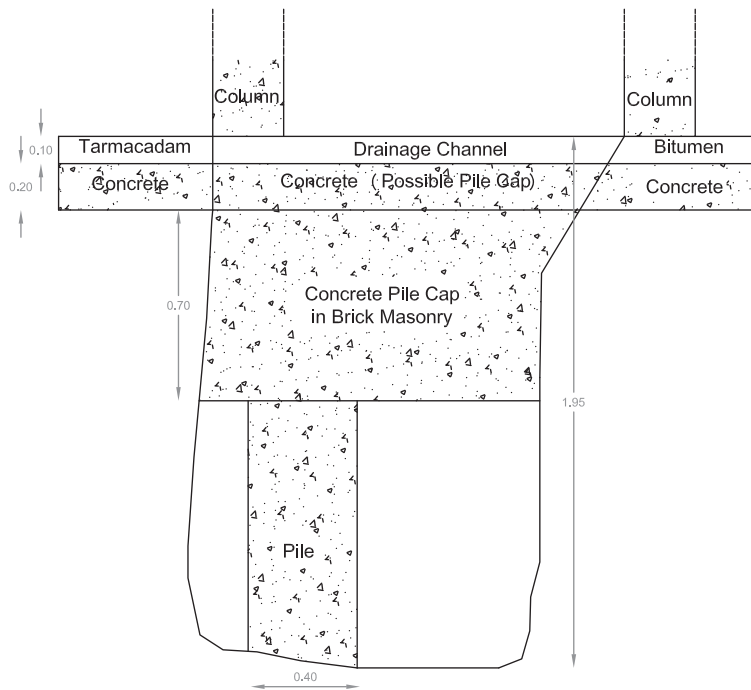
TP104 Plan View



TP104 Cross Section A - C



TP104 Cross Section A - B



Key:

- Ground Level
- Wall/Brickwork
- Concrete

Notes:

All dimensions are in metres

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Client: WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site: FITZROVIA REDEVELOPMENT

Title: TRIAL PIT SKETCHES - TP104

Drawn By: GJS	Checked By: SD	Paper Size: A3
Scale: 1:20@A3	Date: July 2012	
Contract: 26827	Figure:	

TRIAL PIT LOG



TP106

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 16 June 2012 Easting 529317.5

Scale 1 : 25

End Date 30 June 2012 Northing 181914.6 Ground level 25.58mOD

Depth 2.60 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry				CONCRETE. (MADE GROUND)	0.33	25.25	
	1D*		0.50	Brown sandy clayey locally very clayey very angular to rounded fine to coarse brick, concrete and siliceous GRAVEL with occasional bricks and cobbles. (MADE GROUND)			
	2D*		1.00				
	3D*		1.50	Brown sandy clayey angular to rounded fine to coarse brick and concrete GRAVEL. (MADE GROUND)	1.40	24.18	
	4D*		2.00	Orangish brown and yellowish brown slightly clayey locally clayey sandy angular to rounded fine to coarse siliceous. (MADE GROUND?)	1.90	23.68	
				Trial pit completed at 2.60m.	2.60	22.98	

Notes

Concrete surface broken out using stich drilling techniques and hydraulic burster.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 Trial pit dimensions 1.30x1.20x2.60m.
 On completion, the trial pit was backfilled and the surface reinstated.

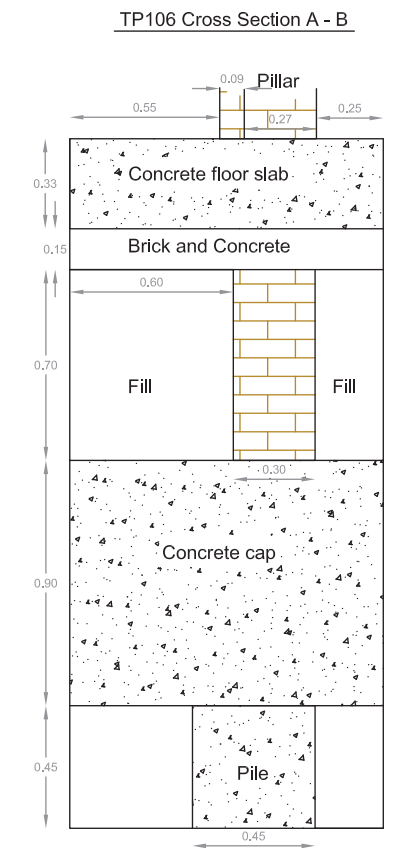
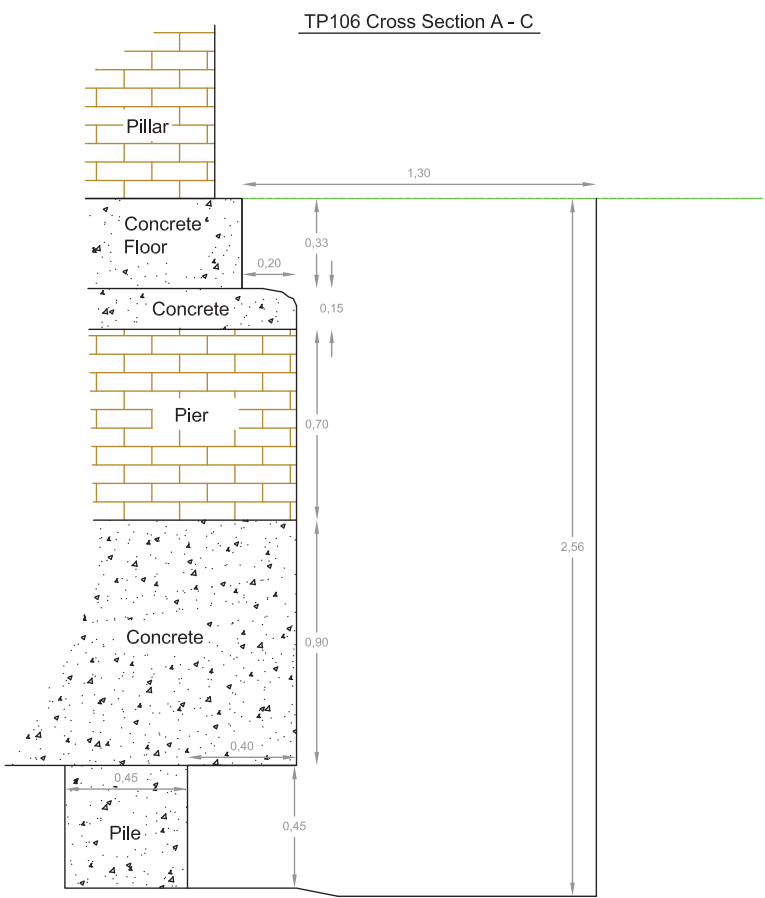
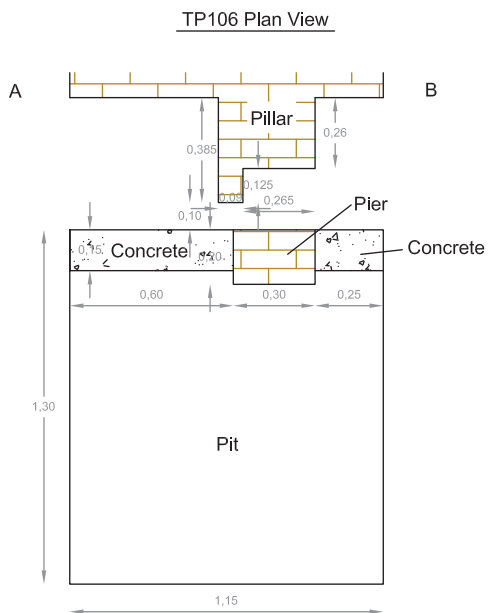
Sketch of Foundation - Not to scale. All dimensions in metres.

Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:27 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS



CONTRACT	CHECKED
26827	CT



Key:

- Ground Level
- Wall/Brickwork
- Concrete

Notes:
All dimensions are in metres

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Site:
FITZROVIA REDEVELOPMENT

Title:
TRIAL PIT SKETCHES

Drawn By:	GJS	Checked By:	SD	Paper Size:	A3
Scale:	1:20@A3	Date:	July 2012		
Contract:	26827	Figure:			

TRIAL PIT LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

TP107

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 11 June 2012 Easting 529334.5

Scale 1 : 25

End Date 23 June 2012 Northing 181881.7 Ground level 25.59mOD

Depth 1.95 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
1.80m: slight seepage. Dry.				Grey CONCRETE. (MADE GROUND)	0.38	25.21	
	1D*	Vo 0.00	0.50	Brown clayey sandy angular to rounded fine to coarse brick, concrete, flint, chalk and charcoal GRAVEL with frequent subangular brick and concrete cobbles and rare subangular medium and coarse bone and ceramic fragments. (MADE GROUND)			
	2D*	Vo 0.00	1.00				
	3D*	Vo 0.00	1.50				
				Trial pit completed at 1.95m.	1.95	23.64	

Notes

Concrete surface broken out using stitch drilling techniques and hydraulic burster.
 Trial pit excavated by hand.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:28 JT

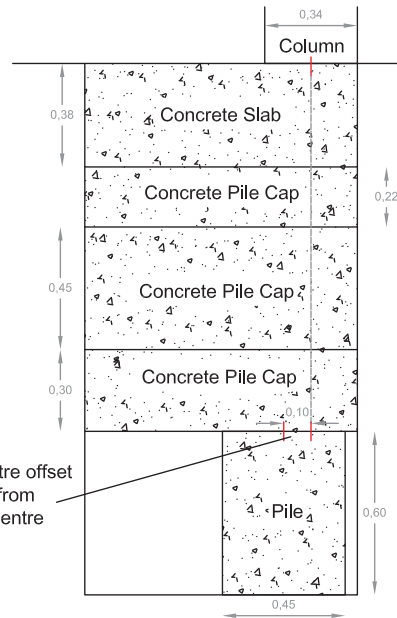
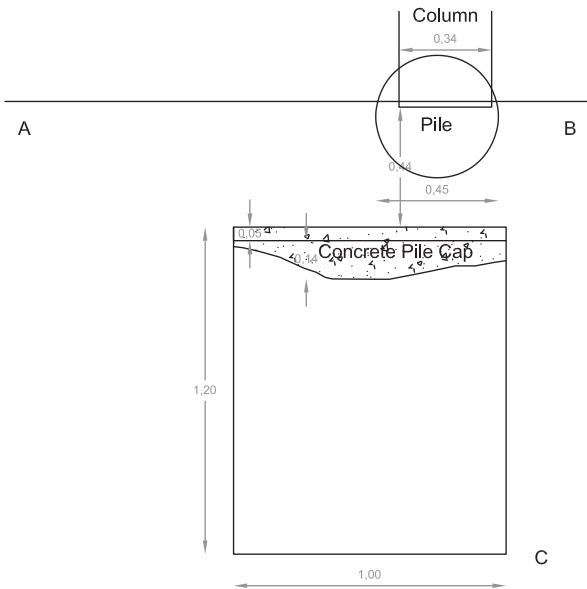
EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS



CONTRACT	CHECKED
26827	CT

TP107 Plan View

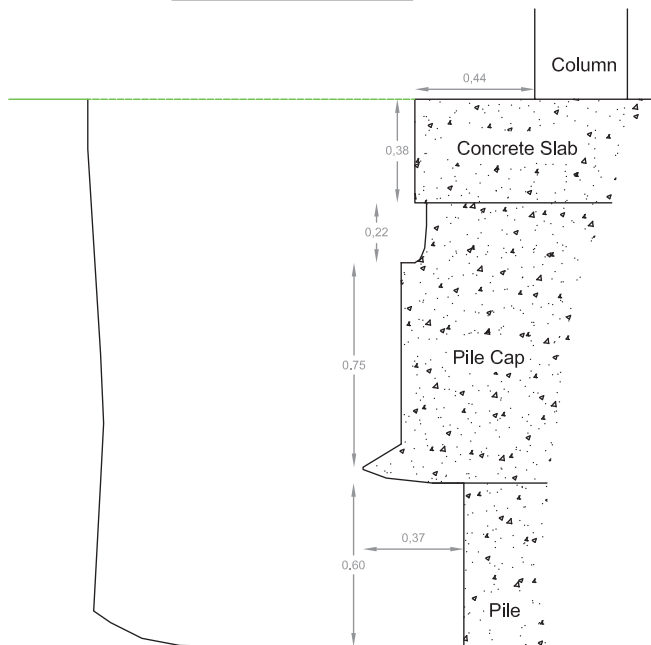
TP107 Cross Section A - B



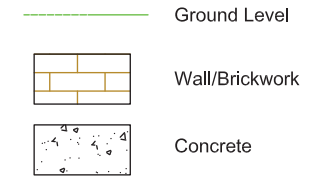
Pile centre offset by 0.1m from column centre



TP107 Cross Section B - C



Key:



Notes:

All dimensions are in metres



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Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES

Drawn By: GJS

Checked By: SD

Paper Size: A3

Scale: 1:20@A3

Date: July 2012

Contract: 26827

Figure:

TRIAL PIT LOG



TP108

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 11 June 2012 Easting 529338.5

Scale 1 : 25

End Date 23 June 2012 Northing 181884.2 Ground level 25.59mOD

Depth 2.20 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Grey CONCRETE. (MADE GROUND)	0.31	25.28	
	1D*	Vo 0.00	0.50	Brown clayey sandy angular to rounded fine to coarse brick, concrete, flint, chalk and charcoal GRAVEL with frequent subangular brick and concrete cobbles and rare subangular medium and coarse bone and ceramic fragments. (MADE GROUND)			
	2D*	Vo 0.10	0.90				
	3D*	Vo 0.10	1.25	Dark brown and blackish grey slightly gravelly clayey fine and medium SAND with occasional medium and coarse gravel sized bone, metal and ceramic fragments and rare medium gravel sized pockets of ash. Slight organic odour present. Gravel is angular to subrounded fine to coarse brick, concrete, flint and charcoal. (MADE GROUND)	1.20	24.39	
	4D*	Vo 0.30	1.80				
				Trial pit completed at 2.20m.	2.20	23.39	

Notes

Concrete surface broken out using stitch drilling techniques and hydraulic burster.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:29 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS



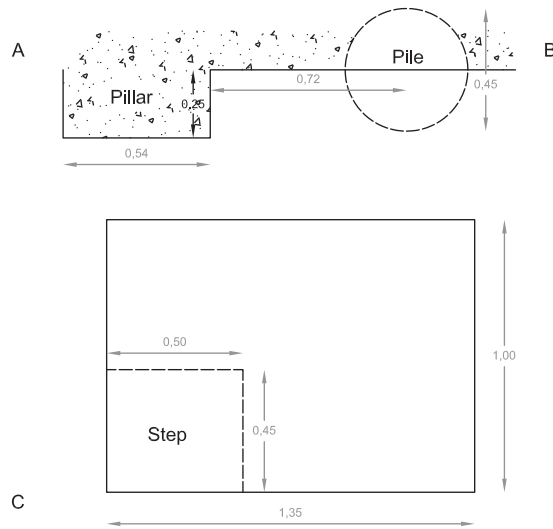
CONTRACT

26827

CHECKED

CT

TP108 Plan View



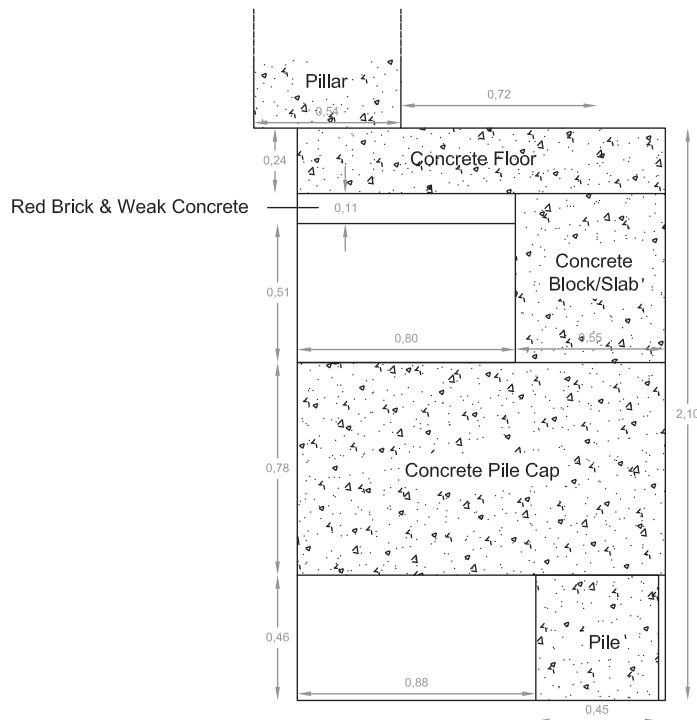
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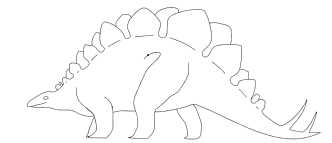
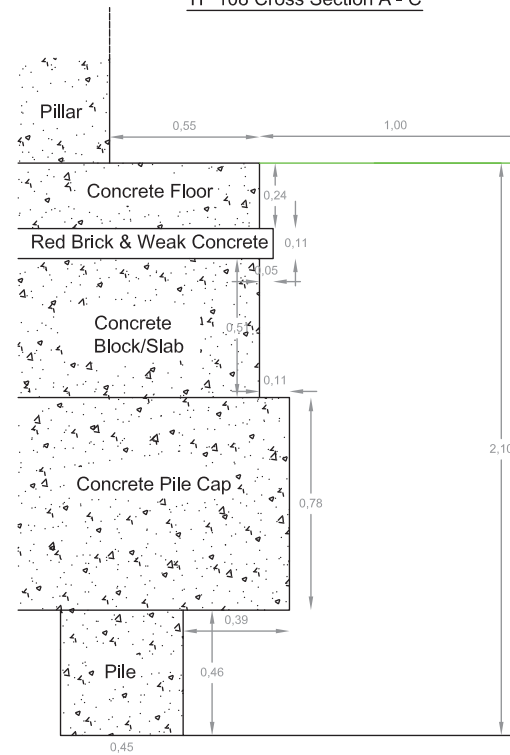
Notes:

All dimensions are in metres

TP 108 Cross Section A - B



TP 108 Cross Section A - C



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Client:

WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES - TP108

Drawn By: GJS

Checked By: SD

Paper Size: A3

Scale: 1:20@A3

Date: July 2012

Contract: 26827

Figure:

TRIAL PIT LOG



TP109

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 12 May 2012 Easting 529338.5

Scale 1 : 25

End Date 8 June 2012 Northing 181874.9 Ground level 25.16mOD

Depth 2.00 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Light grey CONCRETE. (MADE GROUND)	0.28	24.88	
	1D*	Vo 0.60	0.50	Brown and reddish brown locally dark grey clayey gravelly fine to coarse SAND with occasional subangular brick and concrete cobbles and rare medium gravel sized bone and wood fragments. Gravel is angular to subrounded brick, charcoal, flint and concrete. (MADE GROUND)			
	2D*	Vo 2.00	1.00		1.30	23.86	
	3D*	Vo 1.80	1.50	Soft dark greyish brown tending to dark brownish grey slightly gravelly locally gravelly sandy CLAY with rare coarse gravel sized pockets of black organic material and organic odour. Gravel is angular to subrounded fine to coarse brick, concrete and flint (MADE GROUND)	1.95	23.21	
				Trial pit completed at 2.00m.			

Notes

Concrete surface broken out using stitch drilling techniques and hydraulic burster.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL.JH.GPJ GEOTECH.GLB 15/10/2012 09:45:29 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS



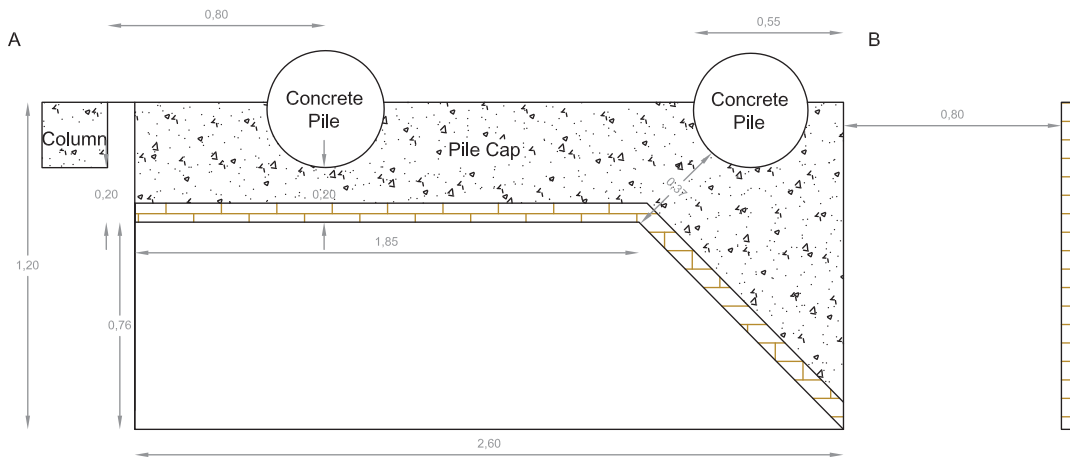
CONTRACT

26827

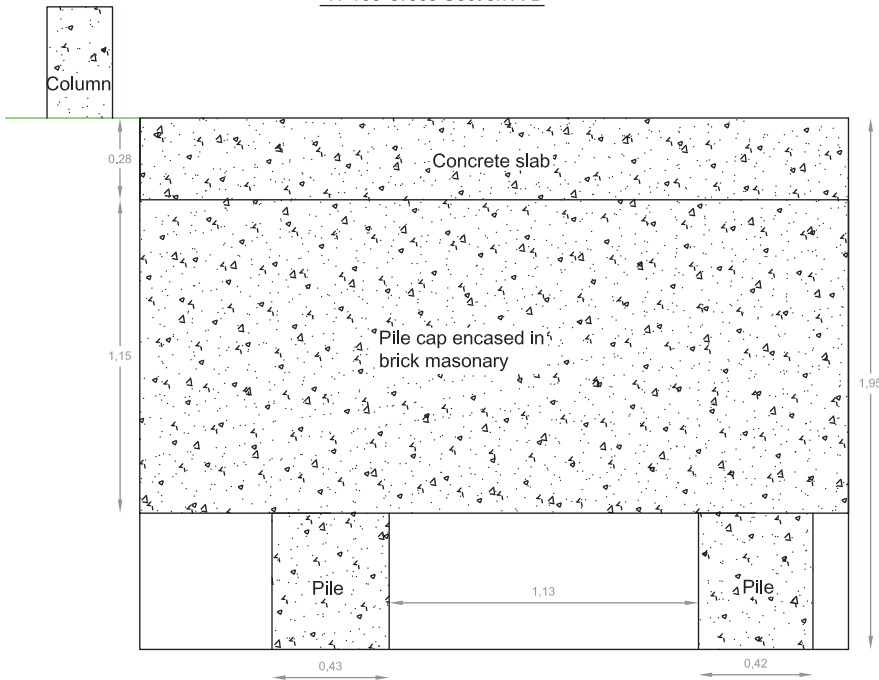
CHECKED

CT

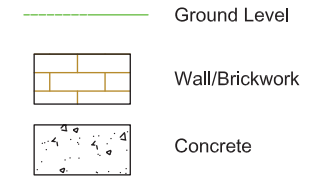
TP109 Plan View



TP109 Cross Section A-B

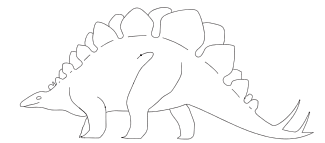


Key:



Notes:

All dimensions are in metres



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Client:

WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES - TP109

Drawn By: GJS

Checked By: SD

Paper Size: A3

Scale: 1:20@A3

Date: July 2012

Contract: 26827

Figure:

TRIAL PIT LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

TP110

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 12 May 2012 Easting 529342.4

Scale 1 : 25

End Date 8 June 2012 Northing 181868.6 Ground level 25.15mOD

Depth 2.00 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Grey CONCRETE. (MADE GROUND)	0.24	24.91	
	1D*	Vo 0.30	0.50	Brown locally reddish brown clayey gravelly fine to coarse SAND with occasional subangular medium gravel sized bone, metal and shell fragments and occasional subangular brick and concrete cobbles. Gravel is angular to subrounded fine to coarse flint, charcoal, flint and concrete. (MADE GROUND)			
	2D*	Vo 0.30	1.00				
	3D*	Vo 0.00	1.50				
				Trial pit completed at 2.00m.	2.00	23.15	

Notes

Concrete surface broken out using stitch drilling techniques and hydraulic burster.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:30 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS



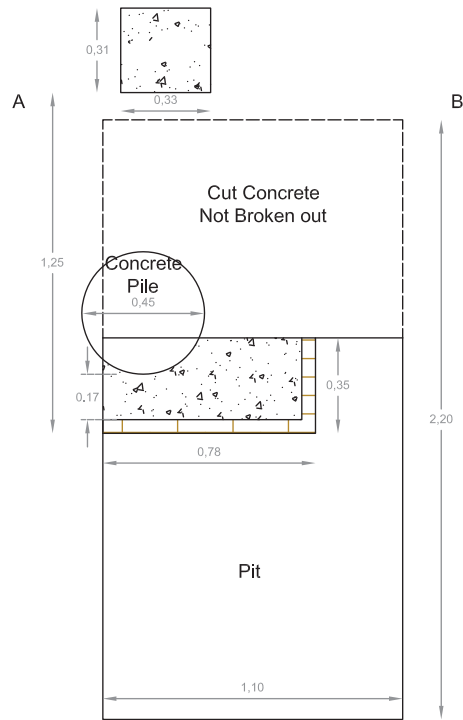
CONTRACT

26827

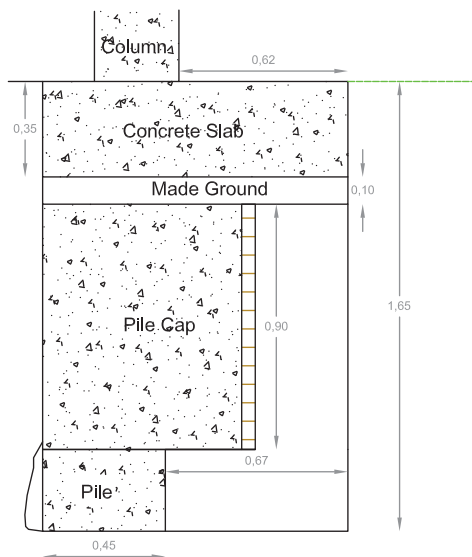
CHECKED

CT

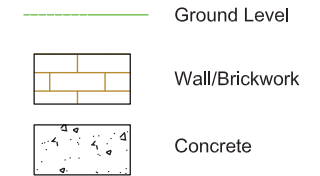
TP110 Plan View



TP110 Cross Section A-B

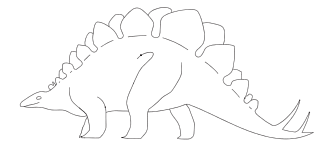


Key:



Notes:

All dimensions are in metres



geotechnical

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WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES - TP110

Drawn By: GJS Checked By: SD Paper Size: A3

Scale: 1:20@A3 Date: July 2012

Contract: 26827 Figure:

TRIAL PIT LOG



TP113

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT

Sheet 1 of 1

Start Date 20 June 2012 Easting 529401.1

Scale 1 : 25

End Date 9 June 2012 Northing 181869.4 Ground level 24.46mOD

Depth 2.00 m

water record	sample/test			description	depth (m)	level (m)	legend
	no/type	result	depth (m)				
Dry.				Grey CONCRETE (MADE GROUND)	0.18	24.28	
				Orangish brown and grey sandy angular and subangular fine to coarse brick, concrete, flint and masonry GRAVEL and COBBLES. (MADE GROUND)	0.50	23.96	
	1D*	Vo 0.00	0.80	Dark brown and black slightly gravelly silty fine to coarse SAND with occasional medium to coarse gravel sized and cobble sized brick, ceramic, bone, metal fragments and cobble sized pockets of soft black organic clay with partially decomposed rootlets. Organic odour present. Gravel is angular to rounded fine to coarse siliceous, brick, concrete, charcoal and clinker. (MADE GROUND)			
	2D*	Vo 0.00	1.40		1.55	22.91	
	3B		1.60- 2.00	Orangish brown gravelly fine and medium SAND with occasional cobble sized pockets of yellow fine silty sand. Gravel is subrounded medium flint. (MADE GROUND)			
	4D*	Vo 0.00	1.60		2.00	22.46	
				Trial pit completed at 2.00m.			

Notes

Concrete surface broken out using stitch drilling techniques and hydraulic burster.
 Trial pit excavated by hand.
 Groundwater was not encountered.
 Trial pit sides remained stable.
 On completion, the trial pit was backfilled and the surface reinstated.

Sketch of Foundation - Not to scale. All dimensions in metres.

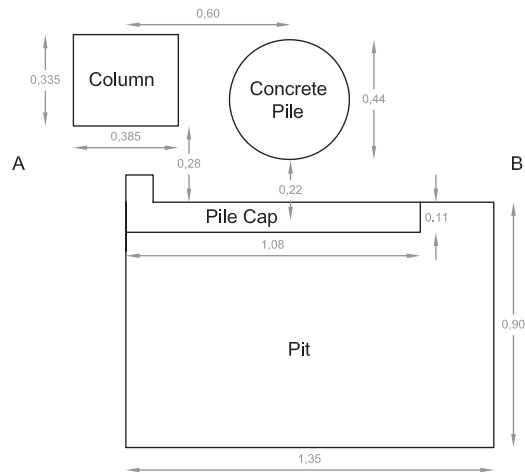
Geotechnical Engineering Ltd. Tel. 01452 527743 26827 FITZROVIA 12-07-12.GPJ TRIAL\JH.GPJ GEOTECH.GLB 15/10/2012 09:45:31 JT

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

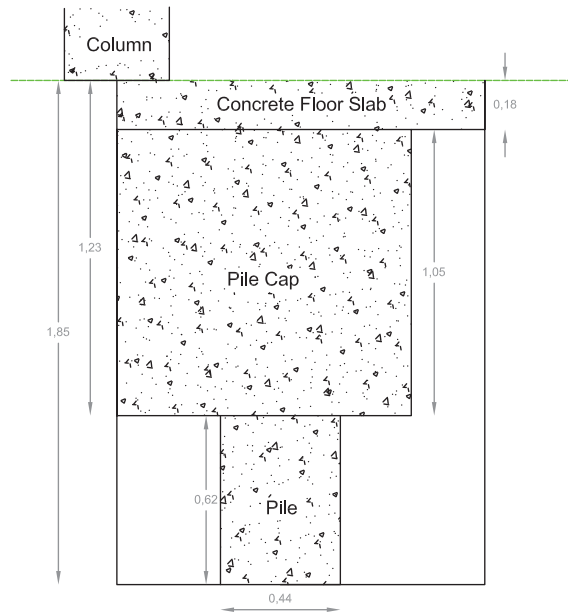


CONTRACT	CHECKED
26827	CT

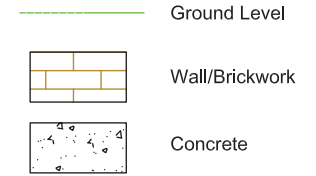
TP113 Plan View



TP113 Cross Section A-B



Key:



Notes:

All dimensions are in metres



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WEST LONDON & SUBURBAN PROPERTY INVESTMENTS LIMITED

Site:

FITZROVIA REDEVELOPMENT

Title:

TRIAL PIT SKETCHES - TP113

Drawn By: GJS Checked By: SD Paper Size: A3

Scale: 1:20@A3 Date: July 2012

Contract: 26827 Figure:

BOREHOLE LOG



BH201

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

Sheet 1 of 2

SITE FITZROVIA REDEVELOPMENT PHASE 2

Scale 1 : 50

Start Date 1 November 2012

Depth 8.20 m

End Date 2 November 2012

Ground level 25.27mOD

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend					
01/11/12 0020hrs	C	0.00 - 0.30	Nil	Vo 0.00			Made Ground comprising Tarmacadam (20mm) over dark grey slightly sandy angular to subrounded fine to coarse clinker GRAVEL. (MADE GROUND)	0.11	25.16						
	1B	0.30 - 0.50					0.30	24.97							
	2D*	0.30 - 0.50					0.50	24.77							
	3B	0.70 - 0.90									Concrete comprising approx. 70% subangular to rounded fine to coarse flint gravel and approx. 30% light grey matrix with frequent fine gravel sized vesicles and rare rebar (5mm diam). (MADE GROUND)				
	4D*	0.70 - 0.90													
	5B	1.00 - 1.20													
	6D*	1.00 - 1.20													
	X	1.20 - 2.70													
												Dark orangish brown slightly silty very gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse red brick and concrete. (MADE GROUND)			
												Firm dark grey and brownish grey slightly gravelly locally gravelly SILT with faint organic odour, frequent angular red brick cobbles and rare angular concrete cobbles. Gravel is angular to subrounded fine to coarse concrete, red brick and flint. (MADE GROUND)	2.00	23.27	
	7D*	2.10										1.00m: With frequent coarse gravel sized pockets of soft orangish brown sandy clay.			
	X	2.70 - 4.20					2.70					Light yellowish brown and orangish brown rarely stained dark orangish brown locally slightly gravelly fine to coarse SAND. Gravel is subangular to rounded fine and medium flint.			
	8D*	3.10										3.60m: Becomes very gravelly. Gravel is fine to coarse.			
9D*	4.00						Dark orangish brown sandy angular to subrounded fine to coarse flint GRAVEL.	3.95	21.32						
X	4.20 - 5.70	4.20					Light yellowish brown and orangish brown fine to coarse SAND.	4.40	20.87						
10D*	4.50						Dark orangish brown very sandy angular to subrounded predominantly fine and medium rarely coarse flint GRAVEL.	4.90	20.37						
11D*	5.00						Stiff fissured dark orangish brown frequently mottled grey slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.	5.10	20.17						
X	5.70 - 7.20	5.70					Very stiff fissured dark bluish grey slightly sandy CLAY with rare fine sand sized selenite crystals. Fissures are randomly orientated extremely closely spaced planar smooth.	5.80	19.47						
12D*	6.50														
01/11/12 0930hrs 0.00m	13D*	7.00													
02/11/12 1700hrs 4.00m	X	7.20 - 8.20	7.20												
Continued Next Page								{8.00}							

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EQUIPMENT: Geotechnical Pioneer rig.
 METHOD: Concrete Core (250mm diam.) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (113mm) 1.20-8.20m.
 CASING: 140mm diam to 7.20m; installed with waterflush.
 BACKFILL: On completion, a slotted standpipe (50mm) was installed to 6.00m, granular response zone 6.00-2.00m, bentonite seal 8.20-6.00m and 2.00-0.30m, concrete and stopcock cover 0.30-0.00m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks		CONTRACT 27417	CHECKED RE
				Groundwater not encountered prior to use of water flush.			

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH202

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 2

Start Date 29 October 2012

Scale 1 : 50

End Date 30 October 2012

Ground level 25.09mOD

Depth 8.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru -ment	description	depth (m)	reduced level (m)	legend			
29/10/12 2345hrs	C	0.00 - 0.30		Vo 0.00			CONCRETE comprising approx. 50% angular and subangular fine to coarse flint gravel and approx. 50% light grey matrix with frequent fine and medium gravel sized vesicles and rare rebar (5mm and 10mm diam.). (MADE GROUND)	0.25	24.84				
	1B	0.30 - 0.50											
	2D*	0.30 - 0.50											
	3B	0.70 - 0.90											
	4D*	0.70 - 0.90											
	5B	1.00 - 1.20											
	6D*	1.00 - 1.20											
	X	1.20 - 2.70						Nil	Soft dark brown slightly gravelly sandy SILT with frequent angular cobbles of red brick and concrete and rare angular cobble sized fragments of glass. Gravel is angular to rounded fine to coarse concrete, red brick, flint and glass. (MADE GROUND) 1.50m: Tends to dark greyish brown.		1.75	23.34	
	7D*	1.80						Vo 0.00			Stiff dark greyish brown slightly gravelly locally gravelly sandy SILT with organic odour and rare angular concrete and red brick cobbles. Gravel is angular to subrounded fine to coarse red brick. (MADE GROUND)	2.80	22.29
	X	2.70 - 4.20						Nil				Light orangish brown slightly clayey slightly gravelly locally tending to gravelly and very gravelly fine to coarse SAND. Gravel is angular to subrounded predominantly fine and medium rarely coarse flint.	4.60
8D*	2.90	Vo 0.00											
30/10/12 0300hrs	9D*	3.90	4.20	Vo 0.00			Dark orangish brown sandy tending to very sandy angular to subrounded predominantly fine and medium rarely coarse flint GRAVEL.						
	X	4.20 - 5.20											
30/10/12 1830hrs	10D*	4.70	5.20	Vo 0.00			5.10m: Becomes very clayey.						
	11D*	5.20											
X	5.20 - 6.20	5.20	6.20	Vo 0.00			Stiff fissured dark brown frequently mottled dark orangish brown locally slightly gravelly slightly sandy CLAY. Gravel is subrounded and rounded fine and medium flint. Fissures are randomly orientated extremely closely spaced planar smooth.						
12D*	6.20 - 7.20	6.20						Vo 0.00		6.20			
X	6.30	6.20	6.20	Vo 0.00			Stiff fissured dark bluish grey slightly sandy CLAY with rare coarse sand to fine gravel sized shell fragments. Fissures are randomly orientated extremely closely rarely very closely spaced planar smooth.						
13D*	7.10	6.20						Vo 0.00			Very stiff fissured dark bluish grey slightly sandy CLAY with rare coarse sand to fine gravel sized shell fragments. Fissures are randomly orientated extremely closely rarely very closely spaced planar smooth.		
X	7.20 - 8.00		6.20	8.00	17.09								
30/10/12	14D*	7.90				Vo 0.00			7.10m: 100mm band of light grey very weak subangular and subrounded fine to coarse gravel sized mudstone lithorelicts.				

EQUIPMENT: Geotechnical Pioneer rig.
 METHOD: Concrete core (250mm diam.) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (128mm) 1.20-4.20m, (113mm) 4.20-7.20m and (98mm) 7.20-8.00m.
 CASING: 140mm diam to 6.20m; installed with waterflush.
 BACKFILL: On completion, a slotted standpipe (50mm) was installed to 5.10m, granular response zone 4.10-5.10m, bentonite seal 5.10-8.00m and 0.10-4.10m concrete and stopcock cover 0.00-0.10m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks	AGS	CONTRACT 27417	CHECKED RE
				Groundwater not encountered prior to use of water flush.			

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BOREHOLE LOG



BH202

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 2 of 2

Start Date 29 October 2012

Scale 1 : 50

End Date 30 October 2012

Ground level 25.09mOD

Depth 8.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
2320hrs 4.30m										

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water strike (m) casing (m) rose to (m) time to rise (m) remarks
 Groundwater not encountered prior to use of water flush.



CONTRACT
27417

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RE

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH203

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 1

Start Date 24 October 2012

Scale 1 : 50

End Date 24 October 2012

Ground level 25.46mOD

Depth 1.20 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru -ment	description	depth (m)	reduced level (m)	legend
24/10/12 2110hrs	C	0.00 - 0.30					Made Ground comprising Tarmacadam (60mm) over dark grey sandy angular to subrounded fine to coarse quartzite GRAVEL. (MADE GROUND)	0.10	25.36	
	1B	0.40 - 0.50				0.40		25.06		
	2D*	0.40 - 0.50		Vo 0.00						
	3B	0.70 - 0.90								
	4D*	0.70 - 0.90		Vo 0.00						
	5B	1.00 - 1.20								
24/10/12 2230hrs Dry	6D*	1.00 - 1.20		Vo 0.00			CONCRETE comprising approx. 60% angular and subangular fine to coarse flint gravel and approx. 40% light grey matrix with frequent fine and medium gravel sized vesicles and rare rebar (5mm and 10mm diam.). (MADE GROUND)	1.20	24.26	
							Light brownish grey locally slightly clayey very gravelly fine to coarse SAND with frequent angular cobbles of whole red brick, red brick and concrete. Gravel is angular to subrounded fine to coarse concrete and red brick. (MADE GROUND)			
							Borehole completed at 1.20m.			
								{8.00}		

EQUIPMENT: Geotechnical Pioneer rig.

METHOD: Concrete core (250mm diam.) 0.00-0.40m. Hand dug inspection pit 0.40-1.20m.

REMARKS: Pit terminated at 1.20m due to metal obstruction across base of hole. Borehole moved 2.30m 330° NW.

BACKFILL: On completion, hole backfilled with materials arising and the ground surface reinstated.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m) casing (m) rose to (m) time to rise (min) remarks

Groundwater not encountered.



CONTRACT
27417

CHECKED
RE

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH203A

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 2

Start Date 24 October 2012

Scale 1 : 50

End Date 25 October 2012

Ground level 25.47mOD

Depth 8.20 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
24/10/12 2250hrs	C	0.00 - 0.30					Made Ground comprising Tarmacadam (60mm) over dark grey sandy angular to subrounded fine to coarse quartzite GRAVEL. (MADE GROUND)	0.10	25.37	
	1B	0.40 - 0.50					CONCRETE comprising approx. 60% angular and subangular fine to coarse flint gravel and approx. 40% light grey matrix with frequent fine and medium gravel sized vesicles and rare rebar (5mm and 10mm diam.). (MADE GROUND)	0.40	25.07	
	2D*	0.40 - 0.50		Vo 0.00						
	3B	0.70 - 0.90								
	4D*	0.70 - 0.90		Vo 0.00						
	5B	1.00 - 1.20								
	6D*	1.00 - 1.20		Vo 0.00						
	X	1.20 - 2.70		Nil			Dark greyish brown clayey locally very clayey gravelly fine to coarse SAND with faint organic odour and rare angular concrete and red brick cobbles. Gravel is angular to subrounded fine to coarse concrete, red brick and flint. (MADE GROUND)	1.65	23.82	
	7D*	2.00		Vo 0.00			Firm light greyish brown tending to dark brown slightly gravelly locally gravelly sandy SILT with rare angular concrete cobbles and rare coarse gravel sized fragments of timber. Gravel is subangular and subrounded fine to coarse concrete, red brick and coal. (MADE GROUND)	2.35	23.12	
	8D*	2.50		Vo 0.00			Light yellowish brown locally slightly gravelly predominantly fine and medium SAND with rare coarse gravel sized pockets of light yellowish brown mottled dark orangish brown sandy clay. Gravel is subrounded and rounded fine and medium flint.	3.25	22.22	
	9D*	3.40		Vo 212				3.50	21.97	
	10D*	3.60		Vo 259						
	X	3.70 - 5.20	3.70				Dark reddish brown and orangish brown rarely stained black and dark grey sandy angular to subrounded fine to coarse flint GRAVEL with strong hydrocarbon odour.			
	11D*	4.00		Vo 10.0			Light greyish brown gravelly locally very gravelly fine to coarse SAND with hydrocarbon odour. Gravel is angular to subrounded predominantly fine and medium rarely coarse flint.			
	12D*	5.00		Vo 8.20			3.50 - 3.70m: Heavily stained black.	5.20	20.27	
	X	5.20 - 6.70	5.20				Light greyish brown very sandy angular to subrounded predominantly fine and medium rarely coarse flint GRAVEL with faint hydrocarbon odour.			
	13D*	5.30		Vo 5.10			5.85 - 6.00m: Becomes dark orangish brown. Gravel becomes fine to coarse.	6.00	19.47	
	14D*	6.10		Vo 0.00			6.15	19.32		
	15D*	6.20		Vo 0.00			Stiff dark orangish brown slightly sandy CLAY.	6.35	19.12	
	16D*	6.45		Vo 0.00			Light orangish brown and greyish brown very gravelly fine to coarse SAND. Gravel is angular and subangular fine to coarse flint.	6.60	18.87	
	X	6.70 - 8.20	6.70				Stiff fissured dark orangish brown locally slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.			
	17D*	7.50	8.20	Vo 0.00			Stiff fissured dark bluish grey slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.			
							Continued Next Page	{8.00}		

EQUIPMENT: Geotechnical Pioneer rig.

METHOD: Concrete core (250mm diam) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (128mm) 1.20-2.70m and (113mm) 2.70-8.20m.

CASING: 140mm diam to 8.20m; installed with waterflush.

BACKFILL: On completion, a slotted standpipe (50mm) was installed to 5.80m, granular response zone 3.30-5.80m, bentonite seal 5.80-8.20m and 0.10-3.30, concrete and stopcock cover 0.00-0.10m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks	AGS	CONTRACT	CHECKED
1.05	Nil	1.05		Slight seepage within inspection pit.		27417	RE
2.70	Nil	2.70	20	Struck during run 1.20-2.70m.			

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH204

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 2

Start Date 25 October 2012

Scale 1 : 50

End Date 26 October 2012

Ground level 26.08mOD

Depth 8.20 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend	
25/10/12 2100hrs	C	0.00 - 0.30					Made Ground comprising Tarmacadam (30mm) over dark grey sandy angular to subrounded fine to coarse quartzite GRAVEL. (MADE GROUND)	0.14	25.94		
	1B	0.30 - 0.50						0.30	25.78		
	2D*	0.30 - 0.50			Vo 0.00						
	3B	0.70 - 0.90			Vo		CONCRETE comprising approx. 60% angular and subangular fine to coarse flint gravel and approx. 40% light grey matrix with frequent fine to coarse gravel sized vesicles and rare rebar (5mm diam.). (MADE GROUND)				
	4D*	0.70 - 0.90			32.40						
	5B	1.00 - 1.20			Vo 6.90		Dark greyish brown slightly clayey locally clayey gravelly fine to coarse SAND with frequent angular red brick cobbles, rare fragments (<200mm length) metal pipe and rare fine and medium gravel sized pockets of charcoal. Gravel is angular to subrounded fine to coarse concrete, red brick and rare slate. (MADE GROUND)	1.30	24.78		
	6D*	1.00 - 1.20			Nil			0.75m: Approx. 50mm layer of timber underlain by approx 30mm of concrete.			
	X	1.20 - 2.70						2.60	23.48		
	7D*	1.50			Vo 0.00			Dark brown slightly gravelly silty fine to coarse SAND with faint organic odour and rare angular red brick cobbles. Gravel is angular to subrounded fine to coarse brick. (MADE GROUND)			
	8D*	2.00			Vo 0.00			3.20	22.88		
	9D*	2.30			Vo 0.00			Firm dark greyish brown and black locally slightly gravelly sandy SILT with rare roots (<2mm diam.) and rare coarse gravel sized fragments of decomposed wood/timber (?). (MADE GROUND)			
	X	2.70 - 4.20	2.70		Vo 0.00			4.00	22.08		
	10D*	2.90			Vo 0.00			Soft dark reddish brown and greyish brown slightly gravelly locally gravelly sandy SILT. Gravel is angular to subrounded fine and medium flint and red brick. (MADE GROUND)			
	11D*	3.80			Vo 0.00			4.80	21.28		
	12D*	4.10			Vo 242.00			Dark orangish brown tending to light yellowish brown slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse flint.			
	X	4.20 - 5.70	4.20		Vo 8.00			5.20	20.88		
	13D*	4.90			Vo 17.90			Light yellowish brown locally slightly gravelly predominantly fine and medium rarely coarse SAND. Gravel is rounded fine flint.			
14D*	5.30			Vo 13.40			5.65	20.43			
X	5.70 - 7.20	5.70		Vo 7.00			3.65m: Becomes gravelly. Gravel is angular to rounded predominantly fine and medium rarely coarse flint.				
15D*	5.80			Vo 0.00			6.40	19.68			
16D*	6.60			Vo 0.00			Dark grey and black very gravelly fine to coarse SAND with strong hydrocarbon odour. Gravel is subangular to rounded fine to coarse flint. (Free phase noted upon extracting liner from sample barrel).				
17D*	7.00			Vo 0.00			6.90	19.18			
X	7.20 - 8.20	7.20					Dark greyish brown slightly gravelly fine to coarse SAND with hydrocarbon odour. Gravel is angular to subrounded fine to coarse flint.				
							Dark orangish brown slightly gravelly locally gravelly fine to coarse SAND with hydrocarbon odour. Gravel is angular to subrounded fine to coarse flint.				
Continued Next Page								{8.00}			

EQUIPMENT: Geotechnical Pioneer rig.

METHOD: Concrete core (250mm diam.) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (128mm) 1.20-2.70m, (113mm) 2.70-7.20 and (98mm) 7.20-8.20m.

CASING: 140mm diam to 7.20m, installed with waterflush.

BACKFILL: On completion, a slotted standpipe (50mm) was installed to 6.40m, granular response zone 4.00-6.40m, bentonite seal 6.40-8.20m and 0.10-4.00m, concrete and stopcock cover 0.00-0.10m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks		CONTRACT 27417	CHECKED RE
				Groundwater not encountered prior to use of water flush.			

BOREHOLE LOG



BH204

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 2 of 2

Start Date 25 October 2012

Scale 1 : 50

End Date 26 October 2012

Ground level 26.08mOD

Depth 8.20 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
26/10/12 0300hrs 2.50m	18D*	8.00		Vo 0.00			<p>Dark orangish brown very sandy angular to subrounded fine to coarse flint GRAVEL with faint hydrocarbon odour.</p> <p>Very stiff fissured dark orangish brown rarely mottled dark grey locally slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.</p> <p>Very stiff fissured dark bluish grey slightly sandy CLAY with rare lenses (<2mm) of light grey clay (burrows). Fissures are randomly orientated extremely closely spaced planar smooth.</p> <p>7.60m: 50mm band of very weak subangular and subrounded fine to coarse gravel sized mudstone lithorelicts.</p> <p>Borehole completed at 8.20m.</p>	8.20	17.88	
								{18.00}		
water strike (m) casing (m) rose to (m) time to rise (m) remarks								CONTRACT		CHECKED
Groundwater not encountered prior to use of water flush.								27417		

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH205

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 2

Start Date 31 October 2012

Scale 1 : 50

End Date 1 November 2012

Ground level 25.09mOD

Depth 8.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend	
31/10/12 1915hrs	1B	0.30 - 0.50	2.70	Vo 0.00			CONCRETE comprising approx. 70% angular to subrounded fine to coarse flint gravel and approx. 30% light grey matrix with frequent fine and medium gravel sized vesicles and rare rebar (5mm diam.). (MADE GROUND)	0.20	24.89		
	2D*	0.30 - 0.50					0.50	24.59			
	3B	0.70 - 0.90									
	4D*	0.70 - 0.90									
	5B	1.00 - 1.20									
	6D*	1.00 - 1.20									
	X	1.20 - 2.70									
	7D*	1.80									
	8D*	2.50									
	X	2.70 - 4.20									
01/11/12 0315hrs 0.00m 01/11/12 1900hrs 1.76m	9D*	3.30					Firm dark brownish grey rarely stained dark orangish brown slightly gravelly sandy CLAY with organic odour. Gravel is subangular to rounded fine flint with rare fine and medium red brick. (MADE GROUND)	3.00	22.09		
	X	4.20 - 5.20	4.20				Light yellowish brown and light orangish brown slightly gravelly predominantly fine and medium rarely fine to coarse SAND with rare coarse gravel sized pockets of soft light orangish brown sandy clay. Gravel is subrounded and rounded fine and medium flint 3.15 - 3.25m: Locally tends to dark orangish brown slightly sandy subangular and subrounded fine to coarse flint gravel.	5.00	20.09		
	10D*	4.80					Dark orangish brown sandy angular to subrounded fine to coarse flint GRAVEL.	5.50	19.59		
	X	5.20 - 6.20	5.20				5.40m: Becomes clayey.	5.80	19.29		
	11D*	5.60					Stiff fissured dark brown frequently mottled dark orangish brown and grey slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.				
	X	6.20 - 6.70	6.20				Very stiff fissured dark grey tending to dark bluish grey slightly sandy CLAY with rare fine sand sized selenite crystals. Fissures randomly orientated extremely closely spaced planar smooth.				
	13D*	7.10									
	X	7.70 - 8.00	6.70								
	02/11/12	X	7.70 - 8.00	6.70					8.00	17.09	

EQUIPMENT: Geotechnical Pioneer rig.
 METHOD: Concrete core (250mm diam.) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (128mm) 1.20-4.20m, (113mm) 4.20-6.70m, (98mm) 6.70-7.70m and (84mm) 7.70-8.00m.
 CASING: 140mm diam to 6.70m; installed with waterflush.
 BACKFILL: On completion, a slotted standpipe (50mm) was installed to 5.70m, granular response zone 3.20-5.70m, bentonite seal 5.70-8.00m and 0.10-3.20m, concrete and stopcock cover 0.00-0.10m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks	AGS	CONTRACT 27417	CHECKED RE
				Groundwater not encountered prior to use of water flush.			

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH206

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 2

Start Date 26 October 2012

Scale 1 : 50

End Date 27 October 2012

Ground level 25.42mOD

Depth 8.20 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend				
26/10/12 2025hrs	C	0.00 - 0.30	2.70	Vo 0.00			Made Ground comprising Tarmacadam (50mm) over dark grey sandy angular to subrounded fine to coarse quartzite and rare clinker GRAVEL. (MADE GROUND)	0.08	25.34					
	1B	0.30 - 0.50									0.30	25.12		
	2D*	0.30 - 0.50												
	3B	0.70 - 0.90												
	4D*	0.70 - 0.90									CONCRETE comprising approx. 70% subangular to rounded fine to coarse flint gravel and approx. 30% light grey matrix with frequent fine and medium gravel sized vesicles and rare rebar (5mm diam.). (MADE GROUND)			
	5B	1.00 - 1.20												
	6D*	1.00 - 1.20												
	X	1.20 - 2.70									Dark greyish brown and brownish grey locally slightly clayey very gravelly fine to coarse SAND with frequent angular and subangular cobbles of concrete, red brick, yellow brick and concrete paving slab. Gravel is angular to subrounded fine to coarse concrete, red brick, yellow brick and rare sandstone. (MADE GROUND)	2.15	23.27	
	7D*	2.30									Dark orangish brown tending to dark reddish brown slightly gravelly fine to coarse SAND. Gravel is subrounded and rounded fine to coarse flint. (MADE GROUND)	2.70	22.72	
	X	2.70 - 4.20									Light yellowish brown fine and medium SAND with faint hydrocarbon odour.			
	8D*	3.10												
	X	4.20 - 5.70									3.70m: Becomes slightly gravelly. Gravel is angular to subrounded predominantly fine and medium rarely coarse flint.			
	9D*	4.70										5.00	20.42	
10D*	5.50					Dark orangish brown very gravelly fine to coarse SAND. Gravel is angular to rounded predominantly fine and medium rarely coarse flint.	5.70	19.72						
X	5.70 - 7.20					Dark orangish brown very sandy subangular to rounded fine to coarse flint GRAVEL.								
11D*	5.80						6.50	18.92						
12D*	6.60					Very stiff locally fissured dark orangish brown frequently mottled dark brownish orange slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.	6.90	18.52						
X	7.20 - 8.20					Very stiff fissured dark bluish grey slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.								
13D*	7.60													
Continued Next Page								{8.00}						

EQUIPMENT: Geotechnical Pioneer rig.

METHOD: Concrete core (250mm diam.) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (128mm) 1.20-2.70m, (113mm) 2.70-7.20m and (98mm) 7.20-8.20m.

CASING: 140mm diam to 7.20m; installed with waterflush.

BACKFILL: On completion, a slotted standpipe (50mm) was installed to 6.50m, granular response zone 1.50-6.50m, bentonite seal 6.50-8.20m and 0.10-1.50m, concrete and stopcock cover 0.00-0.10m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks	AGS	CONTRACT 27417	CHECKED RE
				Groundwater not encountered prior to use of water flush.			

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH208

SITE FITZROVIA REDEVELOPMENT PHASE 2

Sheet 1 of 2

Start Date 2 November 2012

Scale 1 : 50

End Date 10 November 2012

Ground level 26.78mOD

Depth 8.50 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
02/11/12 1800hrs	C	0.00 - 0.30				/ /	Black tarmacadam. (MADE GROUND)	0.05	26.73	
	1D*	0.40					Grey concrete. (MADE GROUND)	0.35	26.43	
	2D*	1.00		Vo 0.00			Light brown and grey slightly sandy clayey angular and subangular fine to coarse brick, concrete and charcoal GRAVEL with rare subangular brick cobbles. (MADE GROUND)	0.75	26.03	
	X	1.20 - 2.70	Nil				Dark grey slightly clayey gravelly fine to coarse SAND with rare medium to coarse gravel sized pockets of black organic silt and rare subangular brick cobbles. Gravel is angular to subrounded fine to coarse flint, brick and concrete. (MADE GROUND)			
	3D*	2.00		Vo 0.00						
	X	2.70 - 4.20	2.70					2.95	23.83	
	4D*	3.00		Vo 0.00			Firm dark grey slightly sandy gravelly CLAY with rare medium gravel sized partially decomposed wood fragments and a slight organic odour. Gravel is angular to subrounded fine to coarse brick, flint, concrete and charcoal. (MADE GROUND)	3.45	23.33	
	5D*	3.75		Vo 0.00			Light orangish brown slightly gravelly fine and medium SAND. Gravel is subrounded medium flint.	4.20	22.58	
	X	4.20 - 5.20	4.20	Vo 0.00			Dark orangish brown very sandy angular to subrounded predominantly fine and medium rarely coarse flint GRAVEL.	4.95	21.83	
	6D*	4.30		Vo 0.00						
02/11/12 2350hrs 0.60m 10/11/12 0800hrs 4.12m	7D*	5.00		Vo 0.00			Dark yellowish brown slightly gravelly very clayey fine to coarse SAND. Gravel is angular to subrounded fine and medium flint.	5.40	21.38	
	X	5.20 - 6.20	5.20				Dark orangish brown locally dark yellowish brown slightly clayey slightly gravelly predominantly fine and medium rarely coarse SAND. Gravel is angular to subrounded fine and medium flint.			
	8D*	5.50		Vo 0.00						
	9D*	5.80		Vo 0.00						
	X	6.20 - 7.20	6.20				5.70m: Becomes very clayey. With rare coarse flint gravel. 6.20 - 6.50m: Locally slightly sandy subangular and subrounded fine to coarse flint gravel (possible loss of fines).	6.65	20.13	
	10D*	6.80		Vo 0.00			Dark orangish brown slightly sandy locally sandy subangular to rounded fine to coarse flint GRAVEL.	7.20	19.58	
X	7.20 - 7.80	7.20	Vo 0.00			Stiff fissured dark orangish brown frequently mottled dark grey and dark brownish orange slightly sandy CLAY. Fissures are randomly orientated extremely closely spaced planar smooth.				
X	7.80 - 8.50	7.80								
Continued Next Page								{8.00}		

EQUIPMENT: Geotechnical Pioneer rig.

METHOD: Concrete Core (250mm diam.) 0.00-0.30m. Hand dug inspection pit 0.30-1.20m. Dynamic sampled (128mm) 1.20-2.70m and (113mm) 2.70-8.50m.

CASING: 140mm diam to 7.80m; installed with waterflush.

BACKFILL: On completion, a slotted standpipe (50mm) was installed to 8.20m, granular response zone 8.00-4.00m, bentonite seal 8.50-8.20m and 4.00-0.20m, concrete and stopcock cover 0.20-0.00m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks		CONTRACT 27417	CHECKED RE
				Groundwater not encountered prior to use of water flush.			

BOREHOLE LOG



BH208

CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

Sheet 2 of 2

SITE FITZROVIA REDEVELOPMENT PHASE 2

Scale 1 : 50

Start Date 2 November 2012

Depth 8.50 m

End Date 10 November 2012

Ground level 26.78mOD

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
10/11/12 1500hrs 4.69m	12D*	8.10		Vo 0.00			Borehole completed at 8.50m.	8.50	18.28	
								{18.00}		

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water strike (m) casing (m) rose to (m) time to rise (m) remarks
 Groundwater not encountered prior to use of water flush.



CONTRACT
27417

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RE

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH129

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 2 of 3

Start Date 19 March 2013 Easting 529361.1

Scale 1 : 50

End Date 21 March 2013 Northing 181953.7 Ground level 25.40mOD

Depth 20.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru -ment	description	depth (m)	reduced level (m)	legend
	20D	8.00		H Re*			8.00m: Fissures become extremely closely and very closely spaced.			
	21D	9.00 - 9.45	6.00	S 24			9.00 - 9.50m: With rare subangular and subrounded coarse very weak mudstone gravel.			
	22D	9.50		H Re*						
	23U	10.50 - 10.95	6.00	Blows 27						
	24D	11.00		H Re*			Very stiff rarely fissured dark bluish grey slightly sandy silty CLAY with frequent fine and medium sand sized selenite crystals and rare randomly orientated lenses (<3mm) of light grey clay. Fissures are randomly orientated extremely closely spaced planar smooth.	11.00	14.40	
	25D	12.00 - 12.45	6.00	S 28						
	26D	12.50		H Re*						
21/03/13 0200hrs Dry	27U	13.50 - 13.95	6.00	Blows 33						
21/03/13 1800hrs Dry	28D	14.00		H Re*						
	29D	15.00 - 15.45	6.00	S 31						
	30D	15.50		H Re*						
	31U	16.50 - 16.95	6.00	Blows 50						
	32D	17.00		H Re*			17.00m: With rare randomly orientated coarse gravel sized pockets of fine and medium sand sized selenite crystals.			
Continued Next Page								{18.00}		

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water strike (m) casing (m) rose to (m) time to rise (m) remarks



CONTRACT
27658

CHECKED
CT

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH129

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 3 of 3

Start Date 19 March 2013 Easting 529361.1

Scale 1 : 50

End Date 21 March 2013 Northing 181953.7 Ground level 25.40mOD

Depth 20.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru -ment	description	depth (m)	reduced level (m)	legend
21/03/13 2130hrs Dry	33D	18.00 - 18.45	6.00	S 30			18.50m: Fissures become locally very closely spaced with rare light off-whitish grey silt to surfaces.	20.00	5.40	
	34D	18.50		H Re*						
	35U	19.50 - 19.95	6.00	Blows 33						
	36D	20.00		H Re*						
							Borehole completed at 20.00m.			

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water strike (m)	casing (m)	rose to (m)	time to rise (m)	remarks		CONTRACT 27658	CHECKED CT
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BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH130

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 1 of 3

Start Date 17 March 2013 Easting 529373.0

Scale 1 : 50

End Date 19 March 2013 Northing 181944.5 Ground level 25.45mOD

Depth 20.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru -ment	description	depth (m)	reduced level (m)	legend
07/03/13 1800hrs	1B	0.30 - 0.50					CONCRETE slab comprising approximately 70% subangular and subrounded fine and medium flint gravel and approximately 30% dark grey matrix (100mm) over CONCRETE slab comprising approximately 70% subangular and subrounded fine to coarse flint gravel and approximately 30% off-whitish grey matrix. Rare fine to coarse gravel sized voids. Rare re-bar (10mm diam.), grid spacing not known. (MADE GROUND)	0.30	25.15	
	2D*	0.30 - 0.50		Vo 0.00		0.80		24.65		
	3B	0.80 - 1.00								
	4D*	0.80 - 1.00		Vo 0.00						
17/03/13 2000hrs Dry	5B	1.60					Soft dark brown and greyish brown slightly sandy locally very sandy gravelly CLAY with low subangular red brick cobble content. Gravel is angular to subrounded fine to coarse concrete, red brick and flint. (MADE GROUND)	2.00	23.45	
	6B	1.70								
	7D*	1.70	2.00	Vo 0.00	C 4					
	8B	2.00 - 2.45								
	9D*	2.00 - 2.50		Vo 0.00						
	10D	2.50								
	11B	3.00 - 3.45	3.00	C 5						
	12D*	3.00 - 3.50		Vo 0.00						
	13D	3.50								
	14B	4.00 - 4.45	4.00	C 8						
15D*	4.00 - 4.50		Vo 0.00							
16D	4.50									
18/03/13 0130hrs Dry	17B	5.00 - 5.45	5.00	C 6			Loose dark greyish brown slightly clayey very gravelly fine to coarse SAND with faint organic odour. Gravel is angular to subrounded fine to coarse flint.	5.00	20.45	
	18D*	5.00 - 5.50		Vo 0.00						
	19D	5.50								
18/03/13 1800hrs 5.50m	20D	6.00 - 6.45	6.00	S 24			Loose dark orangish brown slightly clayey very gravelly fine to coarse SAND with rare coarse gravel and cobble sized pockets of dark orangish brown slightly sandy clay. Gravel is angular to subrounded fine to coarse flint.	6.00	19.45	
	21D	6.00		PP 3.4						
18/03/13 1800hrs 5.50m	22D	7.00		H Re*			Stiff fissured dark orangish brown frequently mottled dark greyish and reddish brown tending to dark brownish grey slightly sandy CLAY with rare coarse sand sized fossil fragments, rare fine and medium sand sized selenite crystals and rare randomly orientated lenses (<3mm) of light grey clay. Fissures are randomly orientated extremely closely spaced planar smooth. 6.00 - 7.00m: Locally slightly gravelly. Gravel is subrounded and rounded coarse flint. 7.00 - 8.00m: Rarely fissured.			
	23U	7.50 - 7.95	6.50	Blows 24						
Continued Next Page								{8.00}		

EQUIPMENT: Concrete cutter and cut-down light cable percussive (shell and auger) rig.
 METHOD: Hand dug observation pit 0.00-1.60m. Cable percussion (150mm) 1.60-20.00m.
 CASING: 150mm diam to 6.50m.
 BACKFILL: On completion, a plain pipe (50mm) was installed to 1.60-18.00m. Bentonite:cement grout 1.60-20.00m.
 REMARKS: Trial pit was opened 7th March 2013 and backfilled 24th March 2013 on instruction from the Engineer.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks
3.70	3.00	3.20	20	



CONTRACT
27658

CHECKED
CT

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH130

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 2 of 3

Start Date 17 March 2013 Easting 529373.0

Scale 1 : 50

End Date 19 March 2013 Northing 181944.5 Ground level 25.45mOD

Depth 20.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
	24D	8.00		H Re*						
	25D	9.00 - 9.30	6.50	S*100			9.00 - 9.30m: Mudstone struck within SPT run. Recovered as angular to subrounded fine to coarse very weak gravel.			
	26D	9.50								
	27U	10.50 - 10.95	6.50	Blows 25						
	28D	11.00		H Re*			Very stiff dark grey slightly sandy silty CLAY with frequent predominantly fine and medium rarely coarse selenite crystals, rare medium and coarse gravel sized pockets of dark grey organic matter and rare fine gravel sized pockets of fine and medium sand sized selenite crystals. Locally with faint organic odour.	11.00	14.45	
	29D	12.00 - 12.45	6.50	S 29						
	30D	12.50								
	31U	13.50 - 13.95	6.50	Blows 29						
	32D	14.00		H Re*						
	33D	15.00 - 15.45	6.50	S 31						
	34D	15.50								
	35W	16.00 - 16.20		H Re*						
	36U	16.50 - 16.95	6.50	Blows 30			Dark grey very silty fine SAND.	16.50	8.95	
	37D	17.00		H Re*			Very stiff fissured dark bluish grey slightly sandy locally silty CLAY with rare fine sand sized selenite and rare randomly orientated lenses (<3mm) of light grey clay. Fissures are randomly orientated extremely closely spaced planar smooth rarely with light off-whitish grey silt to surfaces.	17.00	8.45	
Continued Next Page								{18.00}		

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water strike (m)	casing (m)	rose to (m)	time to rise (m)	remarks
17.00	6.50	16.20	20	Struck during U100 run 16.50-16.95m.

	CONTRACT	CHECKED
	27658	CT

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH130

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 3 of 3

Start Date 17 March 2013 Easting 529373.0

Scale 1 : 50

End Date 19 March 2013 Northing 181944.5 Ground level 25.45mOD

Depth 20.00 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
19/03/13 0200hrs 19.40m	38D	18.00 - 18.45	6.50	S 26				20.00	5.45	
	39D	18.50								
	40D	19.50 - 19.95	6.50	S 32						
	41D	20.00								
							Borehole completed at 20.00m.			

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water strike (m) casing (m) rose to (m) time to rise (m) remarks

	CONTRACT 27658	CHECKED CT
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BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH207

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 1 of 2

Start Date 24 March 2013 Easting 529351.0

Scale 1 : 50

End Date 25 March 2013 Northing 181925.6 Ground level 26.60mOD

Depth 8.50 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru-ment	description	depth (m)	reduced level (m)	legend
24/03/13 2200hrs							Tarmacadam. (MADE GROUND)	0.10	26.50	
	1B	0.30 - 0.50					CONCRETE comprising approximately 70% subangular and subrounded fine to coarse flint gravel and approximately 30% light grey sand/cement matrix with rare fine and medium gravel sized voids. (MADE GROUND) 0.20m: 5mm diam. rebar mesh grid at 100mm spacings.	0.25	26.35	
	2D*	0.30 - 0.50		Vo 0.00				0.50	26.10	
	3B	0.60 - 0.80								
	4D*	0.60 - 0.80		Vo 0.00						
	5B	1.00 - 1.20					Dark brown slightly silty gravelly fine to coarse SAND with low angular red brick cobble content. Gravel is angular to subrounded fine to coarse flint and red brick. (MADE GROUND)			
	6D*	1.00 - 1.20		Vo 0.00						
	7B	1.50		1.20			Dark brown and greyish brown slightly gravelly sandy SILT with low angular and subangular red brick and chalk cobble content. Gravel is angular to subrounded fine to coarse flint, red brick, concrete and rare slate. (MADE GROUND)			
	8D*	1.50		Vo 0.00						
	9B	2.50		1.20			2.50m: With rare cobble sized pockets of dark orangish brown frequently mottled dark grey slightly sandy clayey silt.			
	10D*	2.50		Vo 0.00						
	11B	3.50		1.20			Soft dark brown and black slightly gravelly slightly sandy CLAY with frequent coarse gravel and cobble sized pockets of decomposed organic matter and cobble sized pockets of pseudo-fibrous peat. Rare coarse gravel sized fragments of oyster shell. Gravel is angular and subangular fine to coarse flint and red brick. (MADE GROUND)	3.50	23.10	
	12D*	3.50		Vo 0.00						
	13B	4.50		4.50			4.50m: Peat pockets become rare.			
14D*	4.50		Vo 0.00							
15B	5.50		4.50			Dark greyish brown rarely orangish brown slightly silty very sandy angular to subrounded fine to coarse flint GRAVEL.	5.50	21.10		
16D*	5.50		Vo 0.00							
17W	6.00									
18B	6.50		6.50			6.50m: With frequent cobble sized pockets of firm dark brownish grey clay.				
19D*	6.50		Vo 0.00							
20B	7.50		7.50			Stiff fissured dark brown frequently mottled dark grey and orangish brown tending to dark brownish grey slightly sandy CLAY with rare fine sand sized selenite crystals.	7.40	19.20		
21D*	7.50		Vo 0.00							
						Continued Next Page	{8.00}			

EQUIPMENT: Hydraulic breaker and cut-down light cable percussive (shell and auger) rig.
 METHOD: Hand dug inspection pit 0.00-1.20m. Cable percussion (150mm) 1.20-8.50m.
 CASING: 150mm diam to 7.50m.
 BACKFILL: On completion, a slotted standpipe (50mm) was installed to 7.50m, granular response zone 4.50-7.50m, bentonite seal 7.50-8.50m and 0.10-4.50m, tarmacadam and stopcock cover 0.00-0.10m.

EXPLORATORY HOLE LOGS SHOULD BE READ IN CONJUNCTION WITH KEY SHEETS

water strike (m)	casing (m)	rose to (m)	time to rise (min)	remarks
6.20	4.50	6.00	20	



CONTRACT
27658

CHECKED
CT

BOREHOLE LOG



CLIENT WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

BH207

SITE FITZROVIA REDEVELOPMENT PHASE 3

Sheet 2 of 2

Start Date 24 March 2013 Easting 529351.0

Scale 1 : 50

End Date 25 March 2013 Northing 181925.6 Ground level 26.60mOD

Depth 8.50 m

progress date/time water depth	sample no & type	depth (m) from to	casing depth (m)	test type & value	samp. /core range	instru -ment	description	depth (m)	reduced level (m)	legend
25/03/13 0130hrs Dry	22B 23D*	8.50 8.50	7.50	Vo 0.00			Fissures are randomly orientated extremely closely spaced planar smooth.	8.50	18.10	
							Borehole completed at 8.50m.			

Geotechnical Engineering Ltd, Tel. 01452 527743 27668.GPJ TRIAL.JH.GPJ GEOTECH.GLB 06/06/2013 12:53:09 TW RE

water strike (m)	casing (m)	rose to (m)	time to rise (m)	remarks		CONTRACT 27658	CHECKED CT
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Appendix C

Laboratory soil results

Soil Sample	Depth (m)	Screening Criteria	BH122	BH122	BH122	BH104	BH104	BH121	BH121	BH113c	BH113c	BH113c	BH113a	BH113a	BH201	BH201	BH202	BH202	BH203A	BH203A	BH203A	BH204	BH204	BH204	BH205	BH205	BH206	BH206	BH208	BH208	BH207	BH207	BH130	Max	Min			
Determinand	Units	LQM S4UL [saturation limit] Commercial %SOM	1.5	3.1	3.9	0.8	1.5	0.5	1.5	1	2	4	0.4	2	1	4.5	1.8	4.7	2	3.4	3.6	1	4.1	6.6	0.7	3.3	3.1	5.8	1	2	0.3	3.5	3					
Antimony	mg/kg	7500	nc																																			
Arsenic	mg/kg	640	nc	61	33	85	25	19	36	30	17	19	<2.0	12	5.5	7.2	29	20	9.9	430					3	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	5.9	3.1	<2.0	17	2.1		
Beryllium	mg/kg	12	nc	11	2.8	3.9	<1.00	<1.00	3.7	2.6	1.6	1.5	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00					<1.00	<1.00	<1.00	<1.00	1.2	<1.00	<1.00	<1.00	<1.00	3.7	1.2			
Cadmium	mg/kg	190	nc	0.46	0.58	<0.10	<0.10	<0.10	1	0.52	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.69					0.14	<0.10	<0.10	<0.10	<0.10	<0.10	2.3	0.14	<0.10	2.3	0.14			
Chromium (III)	mg/kg	8600	nc	16	15	33	16	12	15	29	12	12	12	15	22	6.3	46	18	21	11					13	12	12	<5.0	5.4	17	15	21	9.2	16	46	5.4		
Chromium (VI)	mg/kg	33	nc																																			
Copper	mg/kg	68000	nc	120	79	180	110	64	150	100	32	160	5.6	8.9	9.6	5.5	21	37	12	54000					65	7.4	7.7	<5.0	<5.0	210	100	460	72	50	54000	5.5		
Lead	mg/kg	2300	nc	880	350	800	1600	1600	660	330	79	870	13	120	84	28	29	85	9.1	1600					300	730	27	<5.0	<5.0	670	740	1900	490	530	1900	9.1		
Mercury elemental	mg/kg	58 (25.8)	nc																																			
Mercury inorganic	mg/kg	1100	nc	0.37	0.29	0.43	9.6	5.8	0.33	0.47	<0.10	2.4	<0.10	<0.10	<0.10	<0.10	0.36	<0.10	0.6					1.9	0.75	<0.10	<0.10	<0.10	3.2	1.3	6.1	3	3.1	9.6	0.33			
Mercury methyl	mg/kg	320	nc																																			
Nickel	mg/kg	980	nc	<5.0	<5.0	<5.0	20	16	<5	<5.0	<5.0	<5.0	<5.0	<5.0	8.3	35	<5.0	<5.0	30					11	<5.0	<5.0	<5.0	9	71	17	20	14	18	71	8.3			
Selenium	mg/kg	12000	nc	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.49	0.21	1.5					<0.20	<0.20	<0.20	<0.20	0.63	<0.20	<0.20	<0.20	<0.20	1.5	0.21			
Vanadium (Pentavalent)	mg/kg	9000	nc	19	8.3	17	28	23	6.5	7.2	<5.0	14	<5.0	<5.0	17	61	45	29	30					36	39	32	<5.0	8	60	44	57	33	43	61	6.5			
Zinc	mg/kg	730000	nc	350	280	460	480	300	660	310	89	130	23	110	86	12	62	46	15	29000					180	40	20	<10	27	140	88	3300	270	57	29000	12		
Miscellaneous	mg/kg	-	nc																																			
Molybdenum	mg/kg	-	nc																																			
Barium	mg/kg	-	nc																																			
Inorganic Free Cyanide (chronic)	mg/kg	-	nc																																			
Inorganic Free Cyanide (acute)	mg/kg	-	nc																																			
Boron	mg/kg	-	nc																																			
Carbon disulphide	mg/kg	11	nc																																			
Hexachloro-1,3-butadiene	mg/kg	31	nc																																			
Asbestos	%w/w	#N/A	nc	ND	ND	ND			0.001 Chrysotile	0.001 Amosite	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.001	ND										
pH	pH	#N/A	nc	9.3	8.4	8.1	8.3	8.2	10.4	11.9	8	8	8.1	10.8	10	8.4	7.7	10.2	8.5																			
Cyanide	mg/kg	#N/A	nc	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					<0.50	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	0	0		
Phenols - total by HPLC	mg/kg	#N/A	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			
Total organic carbon	mg/kg	#N/A	nc	3.1	0.41	<0.20	3.2	3.2	0.85	0.45	8.7	6	0.28	1.2	0.73	3.3	<0.2	3.4	0.1	13				3.2	3.7	<0.10	<0.20	<0.20	14	2.3	3.7	8.6	2	14	0.1			
Chloride (extractable)	mg/kg	#N/A	nc	<0.010	0.076	<0.010	0.015	0.017	0.067	0.059	0.025	0.021	<0.010	0.043	0.03	<0.010	<0.010	0.048	<0.010	0.048				<0.010	0.085	<0.010	0.01	<0.010	0.02	0.025	63	46	21	63	0.01			
PAHs																																						
Acenaphthene	mg/kg	84000 (57.0)	57	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0	0	
Acenaphthylene	mg/kg	83000 (86.1)	86	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.2	
Anthracene	mg/kg	520000	nc	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.2	<0.1	<0.1	0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1					0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.45	<0.1	<0.1	0.11	<0.1	0.5	0.1
Benzo[a]anthracene	mg/kg	170	nc	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					2.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.93	<0.1	0.32	<0.1	<0.1	2.2	0.32	
Benzo[a]pyrene	mg/kg	35	nc	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	1.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					1.9	<0.1	<0.1	<0.1	<0.1	0.48	<0.1	0.36	<0.1	<0.1	1.9	0.36		
Benzo[b]fluoranthene	mg/kg	44	nc	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	3.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					2.4	<0.1	<0.1	<0.1	<0.1	0.84	<0.1	0.75	<0.1	<0.1	3.3	0.75		
Benzo[k]fluoranthene	mg/kg	1200	nc	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	1.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					0.6	<0.1	<0.1	<0.1	<0.1	<0.1	0.21	<0.1	0.14	<0.1	<0.1	1.2	0.14	
Benzo[ghi]perylene	mg/kg	3900	nc	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					0.6	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.25	<0.1	<0.1	2.2	0.18		
Chrysene	mg/kg	350	nc	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.9	1.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					2.5													

Appendix D

Laboratory groundwater results

Round					1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Location					BH114	BH114	BH122	BH122	BH201	BH201	BH202	BH202	BH203A	BH203A	BH204	BH204	BH205	BH205	BH206	BH206	
depth (m)					4.1	4.12	3.36	3.5		3.38		3.15		3.5		4.1		3.18		3.45	
Sample date					17/07/2012	06/08/2012	17/07/2012	06/08/2012	10/11/2012	07/12/2012	10/11/2012	07/12/2012	10/11/2012	07/12/2012	10/11/2012	07/12/2012	10/11/2012	07/12/2012	10/11/2012	07/12/2012	10/11/2012
Analytical Parameter (Water Analysis)	Units	Limit of detection	Screening criteria																		
pH	pH Units	N/A	nc		7.3	7	7.3	7.1	7.2		7.1		6.8		7.1					7.3	
Chloride	mg/l	4	250	UKDWS	70	78	38	28	42		62		43		56					48	
Ammoniacal Nitrogen as N	mg/l	15	nc		0.21	0.19	0.3	0.14	0.75		0.61		1.1		0.59					0.53	
Total Cyanide	mg/l	10	50	UKDWS	<0.05	<0.05	<0.05	<0.05	< 0.05		< 0.05		< 0.05		< 0.05					< 0.05	
Total Organic Carbon (TOC)	mg/l	0.1	nc		11	21	15	10	9		9.9		17		12					14	
Hardness	ma CaCO3 l-1		nc		590	1700	1100	2600	350		330		280		330					670	
Arsenic (dissolved)	µg/l	1	50	EQS	7	4.2	6.7	10	1.1		1.7		<1.0		3.1					2.8	
Beryllium (dissolved)	µg/l	0.2	nc		110	<0.1	210	<0.1	<1.0		<1.0		<1.0		<1.0					<1.0	
Cadmium (dissolved)	µg/l	0.1	5	UKDWS	0.09	0.1	0.14	1.7	<0.080		<0.080		<0.080		<0.080					<0.080	
Chromium (dissolved)	µg/l	0.4	50	UKDWS	15	65	20	49	1.7		2.4		3.7		2.3					1.5	
Copper (dissolved)	µg/l	0.7	2000	UKDWS	2	2.9	9.1	6.7	<1.0		<1.0		<1.0		<1.0					2.3	
Nickel (dissolved)	µg/l	0.3	50	EQS	23	19	24	10	10		6.5		12		11					5.4	
Lead (dissolved)	µg/l	1	50	EU DWS	<1.0	<0.1	<0.1	<0.1	<1.0		<1.0		<1.0		<1.0					<1.0	
Selenium (dissolved)	µg/l	4	10	EU DWS	21	1.4	10	<0.1	2.2		1.3		<1.0		<1.0					1.4	
Vanadium (dissolved)	µg/l	1.7	100	EQS	2.5	<0.1	1.9	<0.1	<1.0		<1.0		<1.0		<1.0					<1.0	
Zinc (dissolved)	µg/l	0.4	300	EQS	5	15	430	180	12		11		20		5.7					29	
Mercury (dissolved)	µg/l	0.5	1	EU DWS	0.041	<0.01	<0.01	<0.01	<0.50		<0.50		<0.50		<0.50					<0.50	
TPH-CWG - Aliphatic >C5 - C6	µg/l	10	15000	WHO 2004	<0.1	<0.1	<0.1	<0.1	< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aliphatic >C6 - C8	µg/l	10	15000	WHO 2004	<0.1	<0.1	<0.1	<0.1	< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aliphatic >C8 - C10	µg/l	10	300	WHO 2004	<0.1	20	540	8.5	< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	300	WHO 2004	<0.1	61	1100	440	< 0.1		< 0.1		< 0.1		49		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	300	WHO 2004	<0.1	230	1900	860	< 0.1		< 0.1		< 0.1		460		< 0.1		< 0.1	20	
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	300	WHO 2004	<0.1	310	2500	870	< 0.1		< 0.1		< 0.1		400		< 0.1		< 0.1	65	
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	nc		<0.1	97	790	170	< 0.1		< 0.1		< 0.1		78		< 0.1		< 0.1	22	
TPH-CWG - Aliphatic >C35 - C44	µg/l	11	nc		<0.1	<0.1	<0.1	<0.1	< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aromatic >C5 - C7	µg/l	10	10	WHO 2004	<0.1	<0.1	38	18	< 0.1		< 0.1		3.4		9.4		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aromatic >C7 - C8	µg/l	10	10	WHO 2004	<0.1	<0.1	12	6.9	< 0.1		< 0.1		1.6		< 0.1		< 0.1		< 0.1	< 0.1	
TPH-CWG - Aromatic >C8 - C10	µg/l	10	120	WHO 2004	11	18	720	720	< 0.1		< 0.1		370		120		76		50	< 0.1	
TPH-CWG - Aromatic >C10 - C12	µg/l	10	120	WHO 2004	58	33	820	950	< 0.1		< 0.1		390		190		82		64	< 0.1	
TPH-CWG - Aromatic >C12 - C16	µg/l	10	120	WHO 2004	170	120	1700	1100	< 0.1		< 0.1		490		240		91		87	< 0.1	
TPH-CWG - Aromatic >C16 - C21	µg/l	10	90	WHO 2004	140	75	380	380	< 0.1		< 0.1		250		97		22		56	< 0.1	
TPH-CWG - Aromatic >C21 - C35	µg/l	10	90	WHO 2004	41	18	240	13	< 0.1		< 0.1		45		13		7		15	< 0.1	
TPH-CWG - Aromatic >C35 - C44	µg/l	10	nc	WHO 2004	<0.1	<0.1	<0.1	<0.1	< 0.1		< 0.1		< 0.1		< 0.1		< 0.1		< 0.1	< 0.1	
Total Petroleum Hydrocarbons	µg/l	10	nc		420	980	11000	5500	< 10		< 10		1600		1700		280		730	< 10	
Total Aliphatic Hydrocarbons	µg/l	10	nc		<5	720	6800	2300	< 5		< 5		< 5		990		< 5		460	< 5	
Total Aromatic Hydrocarbons	µg/l	10	nc		420	260	4400	3200	< 5		< 5		1600		670		280		270	< 5	
Benzene	µg/l	1	1	EU DWS	<1.0	1.2	21	13	<1.0		<1.0		6.2		5.5		1.4		1.1	<1.0	
Toluene	µg/l	1	40	EQS	<1.0	<1.0	18	6.8	<1.0		<1.0		1.5		<1.0		2.6		<1.0	<1.0	
Ethylbenzene	µg/l	1	200	EQS	<1.0	<1.0	14000	240	<1.0		<1.0		13		5.6		8.1		4.1	<1.0	
p & m-xylene	µg/l	1	30	EQS	<1.0	<1.0	43000	1200	<1.0		<1.0		72		12		35		5.5	<1.0	
o-xylene	µg/l	1	nc		<1.0	<1.0	25000	680	<1.0		<1.0		65		15		26		8.4	<1.0	
Naphthalene	µg/l	0.01	10	EQS	<0.01	<0.01	5500	110	< 0.01		< 0.01		40		15		11		13	< 0.01	
Acenaphthylene	µg/l	0.01	nc		<0.01	<0.01	<0.01	<0.01	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Acenaphthene	µg/l	0.01	nc		<0.01	<0.01	<0.01	6.3	< 0.01		< 0.01		< 0.01		0.6		< 0.01		< 0.01	< 0.01	
Fluorene	µg/l	0.01	nc		<0.01	<0.01	220	8.4	< 0.01		< 0.01		< 0.01		0.92		< 0.01		< 0.01	< 0.01	
Phenanthrene	µg/l	0.01	5	DIW	<0.01	<0.01	370	14	< 0.01		< 0.01		< 0.01		0.68		< 0.01		0.26	< 0.01	
Anthracene	µg/l	0.01	0.4	EQS	<0.01	<0.01	<0.01	1.9	< 0.01		< 0.01		< 0.01		0.072		< 0.01		< 0.01	< 0.01	
Fluoranthene	µg/l	0.01	0.1	EQS	<0.01	<0.01	<0.01	1.2	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Pyrene	µg/l	0.01	nc		<0.01	<0.01	<0.01	1.3	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Benzo(a)anthracene	µg/l	0.01	0.5	DIW	<0.01	<0.01	<0.01	2.3	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Chrysene	µg/l	0.01	0.2	DIW	<0.01	<0.01	<0.01	1.9	< 0.01		< 0.01		< 0.01		0.013		< 0.01		< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	0.03	EQS	<0.01	<0.01	<0.01	2.8	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	0.03	EQS	<0.01	<0.01	<0.01	0.73	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	0.01	UKDWS	<0.01	<0.01	<0.01	2.4	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	nc		<0.01	<0.01	<0.01	0.57	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	nc		<0.01	<0.01	<0.01	2.1	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	nc		<0.01	<0.01	<0.01	2	< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01	< 0.01	
Total EPA-16 PAHs	µg/l	0.2	0.2	EQS	<0.2	<0.2	6100	160	< 0.2		< 0.2		40		17		11		13	< 0.2	
Phenols (total)	µg/l		nc		<0.03	<0.03	<0.03	<0.03	< 0.03		< 0.03		< 0.03		< 0.03						

Appendix E

Ground gas monitoring results

Borehole no.	Depth (m)	VOC (ppm)
BH101	0.5	0
	1.1	0
	1.6	0
	2.5	0.6
	3.5	11.8
	4.5	10.5
BH102	0.5	0
	1	0
	1.5	0
	2.5	1.4
	3.5	2.7
	4.5	5
BH103	0.5	0
	1	1.1
	1.5	0
	2.5	0.8
	3.5	11.5
	4.5	3.7
BH104	0.5	0
	1	0
	1.5	0
	2.5	0
	3.5	0
	4.5	0
BH105	0.8	0
	1.4	0
	1.6	0
	4	0
BH106	2.5	3.1
	3.5	11.6
	4.5	50.7
BH107	0.5	0
	1	0
	1.5	0
	2.5	5.6
	3.5	1.1
	4.5	8.7
BH108	7.5	5.9
	0.5	0
	0.9	0.1
	1.25	0.1
	1.8	0.3
	2.2	0
	2.5	0
	3.5	0
	4.5	0.3
	7	0

Borehole no.	Depth (m)	VOC (ppm)
BH109	0.5	0.6
	1	2
	1.5	1.8
	2.5	2.1
	3.5	5.9
	4.5	8
BH109A	5.5	7
	2	0.1
	2.5	0.4
	3.5	0
	5.5	2.1
BH110	0.5	0.3
	1	0.3
	1.5	0
	2.5	0.1
	3	2.8
TP113	4.5	18
	0.8	0
	1.4	0
	1.6	0
BH113C	0.4	0
	1	0
	2	0
	3	0
	4	0
	5	0
	6.5	0
	9	0
BH114	0.5	0
	1	0
	2.5	0.1
	3.5	0.6
	4.5	0
	6	0.7
BH121	7.2	0
	0.5	0
	1	0
	1.5	0
	2	0
BH122	2	0
	0.4	0
	0.8	0
	1.5	0
	2	0
	2.3	0
	2.65	11.6
	3.1	172
	3.5	145
	3.9	85.3

Borehole no.	Depth (m)	VOC (ppm)	
BH202	0.3	0	
	0.7	0	
	1	0	
	1.8	0	
	2.9	0	
	3.9	0	
	4.7	0	
	5.2	0	
	6.2	0	
	7.1	0	
	7.9	0	
	BH203A	0.4	0
		0.7	0
		1	0
2		0	
2.5		0	
3.4		212	
3.6		259	
4		10	
5		8.2	
5.3		5.1	
BH204	6.1	0	
	6.2	0	
	6.45	0	
	7.5	0	
	8	0	
	0.3	0	
	0.7	32.4	
	1	6.9	
	1.5	0	
	2	0	
2.3	0		
2.9	0		
3.8	0		
4.2	242		
4.9	8		
5.3	17.9		
5.8	13.4		
6.6	7		
7	0		
8	0		

Borehole no.	Depth (m)	VOC (ppm)
BH210	0.3	0
	0.7	0
	1	0
	2.1	0
	3.1	0
	4	0
	4.5	0
BH203	5	0
	6.5	0
	7	0
BH205	0.4	0
	0.7	0
	1	0
BH206	0.3	0
	0.7	0
	1	0
	1.8	0
	2.5	0
	3.3	0
	4.8	0
	5.6	0
	6.2	0
	7.1	0
BH208	0.3	0
	0.7	0
	2.3	0
	3.1	0
	4.7	0
	5.5	0
	5.8	0
	6.6	0
	7.6	0
	BH208	1
2		0
3		0
3.75		0
4.2		0
5		0
5.5		0
5.8		0
6.8		0
7.3		0
8.1	0	

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH113C	18/07/12 09:25:00												48.36	
BH113C	30/07/12 14:00:00												48.35	
BH113C	06/08/12 13:00:00												48.35	
BH113C	13/08/12 14:30:00												48.35	
BH113C	20/08/12 10:00:00												48.35	

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.
 Piezometer tip located at 48.60m.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks	
BH114	18/07/12 08:05:00	1014	0.31								0.1				
BH114	18/07/12 08:06:00			0.1											
BH114	18/07/12 08:07:00			0.1											
BH114	18/07/12 08:08:00			-0.1											
BH114	18/07/12 08:09:00			0.0											
BH114	18/07/12 08:10:00			0.1											
BH114	18/07/12 08:11:00					13.9	2.0	0.9	40.0	0	3				
BH114	18/07/12 08:12:00					13.7	2.0	1.0	38.0	0	1				
BH114	18/07/12 08:13:00					13.4	2.0	1.5	40.0	0	2				
BH114	18/07/12 08:14:00					12.9	2.0	2.2	40.0	0	1				
BH114	18/07/12 08:15:00					12.8	2.0	2.2	40.0	0	0				
BH114	18/07/12 08:16:00					12.4	2.1	2.6	41.0	0	2				
BH114	18/07/12 08:17:00					12.7	2.1	2.4	41.0	0	2				
BH114	18/07/12 08:18:00					12.0	2.1	3.5	42.0	0	1				
BH114	18/07/12 08:19:00					12.0	2.2	3.0	45.0	0	4				
BH114	18/07/12 08:20:00					12.2	2.3	3.1	46.0	0	3				4.05 7.15m Total depth
BH114	30/07/12 12:30:00			1013	0.16								0.0	15	
BH114	30/07/12 12:31:00	0.1													
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT	

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH114	30/07/12 12:32:00										0.1			
BH114	30/07/12 12:33:00										0.1			
BH114	30/07/12 12:34:00										0.0			
BH114	30/07/12 12:35:00										0.1			
BH114	30/07/12 12:36:00										0.2			
BH114	30/07/12 12:37:00										0.3			
BH114	30/07/12 12:38:00										0.2			
BH114	30/07/12 12:39:00										0.2			
BH114	30/07/12 12:40:00			5.9	0.7	11.8	22.0	0	2					
BH114	30/07/12 12:41:00			13.5	1.9	1.2	37.0	0	3					
BH114	30/07/12 12:42:00			13.9	2.0	0.3	39.0	0	3					
BH114	30/07/12 12:43:00			14.1	2.0	0.0	39.0	0	2					
BH114	30/07/12 12:44:00			14.1	2.0	0.0	39.0	0	1					
BH114	30/07/12 12:45:00			14.2	2.0	0.0	39.0	0	1					
BH114	30/07/12 12:46:00			14.2	2.0	0.0	38.0	0	1					
BH114	30/07/12 12:47:00			14.2	1.9	0.0	38.0	0	2					
BH114	30/07/12 12:48:00			14.2	1.9	0.0	38.0	0	2					
BH114	30/07/12 12:49:00			14.2	1.9	0.0	38.0	0	1				4.14	7.00m total depth
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH114	06/08/12 14:00:00	1007	+0.19								0.0			
BH114	06/08/12 14:01:00										0.0			
BH114	06/08/12 14:02:00										-0.1			
BH114	06/08/12 14:03:00										0.0			
BH114	06/08/12 14:04:00										0.0			
BH114	06/08/12 14:05:00										0.0			
BH114	06/08/12 14:06:00										0.0			
BH114	06/08/12 14:07:00										0.0			
BH114	06/08/12 14:08:00										0.0			
BH114	06/08/12 14:09:00										0.1			
BH114	06/08/12 14:10:00										0.0			
BH114	06/08/12 14:11:00			13.5	3.6	0.6	71.0	0	0					
BH114	06/08/12 14:12:00			13.6	3.6	0.4	72.0	0	0					
BH114	06/08/12 14:13:00			13.6	3.6	0.3	72.0	0	0					
BH114	06/08/12 14:14:00			13.7	3.6	0.3	72.0	0	0					
BH114	06/08/12 14:15:00			13.7	3.6	0.3	72.0	0	0					
BH114	06/08/12 14:16:00			13.7	3.6	0.2	72.0	0	0					
BH114	06/08/12 14:17:00			13.8	3.6	0.2	71.0	0	0					
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH114	06/08/12 14:18:00			13.8	3.5	0.2	70.0	0	0					
BH114	06/08/12 14:19:00			13.9	3.5	0.2	68.0	0	0					
BH114	06/08/12 14:20:00			13.9	3.4	0.1	67.0	0	0					
BH114	06/08/12 14:21:00												4.12	
BH114	13/08/12 14:52:00	1008	+0.38								0.0			
BH114	13/08/12 14:53:00										0.0			
BH114	13/08/12 14:54:00										0.0			
BH114	13/08/12 14:55:00										-0.1			
BH114	13/08/12 14:56:00										0.0			
BH114	13/08/12 14:57:00										-0.1			
BH114	13/08/12 14:58:00										0.0			
BH114	13/08/12 14:59:00										-0.1			
BH114	13/08/12 15:00:00										-0.1			
BH114	13/08/12 15:01:00										0.0			
BH114	13/08/12 15:02:00			12.8	3.5	1.0	69.0	0	0	0.3				Tedlar gas sample taken.
BH114	13/08/12 15:03:00			12.9	3.5	0.8	70.0	0	1	0.3				
BH114	13/08/12 15:04:00			13.0	3.5	0.7	70.0	0	1	0.3				
BH114	13/08/12 15:05:00			13.1	3.6	0.6	71.0	0	1	0.3				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH114	13/08/12 15:06:00			13.3	3.6	0.5	72.0	0	1	0.3				
BH114	13/08/12 15:07:00			13.4	3.7	0.4	73.0	0	0	0.3				
BH114	13/08/12 15:08:00			13.6	3.7	0.3	74.0	0	0	0.3				
BH114	13/08/12 15:09:00			13.7	3.8	0.2	75.0	0	0	0.3				
BH114	13/08/12 15:10:00			13.8	3.8	0.1	76.0	0	0	0.3				
BH114	13/08/12 15:11:00			14.0	3.9	0.1	78.0	0	0	0.3				
BH114	13/08/12 15:12:00												4.16	
BH114	20/08/12 13:30:00	1018	+0.75								0.0			
BH114	20/08/12 13:31:00										0.0			
BH114	20/08/12 13:32:00										0.0			
BH114	20/08/12 13:33:00										0.0			
BH114	20/08/12 13:34:00										0.0			
BH114	20/08/12 13:35:00										0.0			
BH114	20/08/12 13:36:00										0.0			
BH114	20/08/12 13:37:00										0.0			
BH114	20/08/12 13:38:00										0.0			
BH114	20/08/12 13:39:00										0.0			
BH114	20/08/12 13:40:00			13.3	3.3	0.8	66.0	0	1	2.8				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH114	20/08/12 13:41:00			13.5	3.3	0.4	66.0	0	1	2.4				
BH114	20/08/12 13:42:00			13.6	3.3	0.4	66.0	0	1	2.1				
BH114	20/08/12 13:43:00			13.6	3.3	0.3	66.0	0	1	2.0				
BH114	20/08/12 13:44:00			13.6	3.3	0.3	65.0	0	1	1.9				
BH114	20/08/12 13:45:00			13.7	3.2	0.3	63.0	0	1	1.8				
BH114	20/08/12 13:46:00			13.7	3.1	0.3	62.0	0	1	1.8				
BH114	20/08/12 13:47:00			13.7	3.1	0.3	61.0	0	1	1.7				
BH114	20/08/12 13:48:00			13.7	3.1	0.3	61.0	0	1	1.7				
BH114	20/08/12 13:49:00			13.7	3.0	0.3	60.0	0	1	1.7				
BH114	20/08/12 13:50:00												4.08	

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

CONTRACT 26827	CHECKED CT
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH121	30/07/12 13:40:00	1013	0.04								0.0	15		
BH121	30/07/12 13:41:00										-0.1			
BH121	30/07/12 13:42:00										0.0			
BH121	30/07/12 13:43:00										-0.1			
BH121	30/07/12 13:44:00										0.0			
BH121	30/07/12 13:45:00										0.0			
BH121	30/07/12 13:46:00										0.0			
BH121	30/07/12 13:47:00										-0.1			
BH121	30/07/12 13:48:00										0.1			
BH121	30/07/12 13:49:00										0.0			
BH121	30/07/12 13:50:00			0.0	0.0	20.4	0.0	0	2					
BH121	30/07/12 13:51:00			0.0	0.0	20.4	0.0	0	2					
BH121	30/07/12 13:52:00			0.0	0.0	20.4	0.0	0	0					
BH121	30/07/12 13:53:00			0.0	0.0	20.4	0.0	0	1					
BH121	30/07/12 13:54:00			0.0	0.0	20.4	0.0	0	1					
BH121	30/07/12 13:55:00			0.0	0.0	20.4	0.0	0	1					
BH121	30/07/12 13:56:00			0.0	0.0	20.4	0.0	0	2					
BH121	30/07/12 13:57:00			0.0	0.0	20.4	0.0	0	1					
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks	
BH121	30/07/12 13:58:00			0.0	0.0	20.4	0.0	0	2					2.15m total depth	
BH121	30/07/12 13:59:00			0.0	0.0	20.4	0.0	0	3				Dry		
BH121	06/08/12 13:15:00	1008	-000.21								0.0				
BH121	06/08/12 13:16:00										-0.1				
BH121	06/08/12 13:17:00										-0.1				
BH121	06/08/12 13:18:00										0.0				
BH121	06/08/12 13:19:00										0.0				
BH121	06/08/12 13:20:00										-0.1				
BH121	06/08/12 13:21:00										-0.1				
BH121	06/08/12 13:22:00										-0.1				
BH121	06/08/12 13:23:00										-0.1				
BH121	06/08/12 13:24:00										-0.1				
BH121	06/08/12 13:25:00										-0.1				
BH121	06/08/12 13:26:00			0.0	0.0	20.5	0.0	0	0						
BH121	06/08/12 13:27:00			0.0	0.0	20.5	0.0	0	0						
BH121	06/08/12 13:28:00			0.0	0.0	20.5	0.0	0	0						
BH121	06/08/12 13:29:00			0.0	0.0	20.5	0.0	0	0						
BH121	06/08/12 13:30:00			0.0	0.0	20.5	0.0	0	0						
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827		CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH121	06/08/12 13:31:00			0.0	0.0	20.5	0.0	0	0					
BH121	06/08/12 13:32:00			0.0	0.0	20.5	0.0	0	0					
BH121	06/08/12 13:33:00			0.0	0.0	20.5	0.0	0	0					
BH121	06/08/12 13:34:00			0.0	0.0	20.6	0.0	0	0					
BH121	06/08/12 13:35:00			0.0	0.0	20.6	0.0	0	0				Dry.	
BH121	13/08/12 14:31:00	1008	+0.32								0.1			
BH121	13/08/12 14:32:00										0.1			
BH121	13/08/12 14:33:00										0.0			
BH121	13/08/12 14:34:00										0.0			
BH121	13/08/12 14:35:00										0.1			
BH121	13/08/12 14:36:00										0.0			
BH121	13/08/12 14:37:00										-0.2			
BH121	13/08/12 14:38:00										0.1			
BH121	13/08/12 14:39:00										0.1			
BH121	13/08/12 14:40:00										0.0			
BH121	13/08/12 14:41:00			0.0	0.1	20.7	1.0	0	0	0.2				
BH121	13/08/12 14:42:00			0.0	0.1	20.8	1.0	0	0	0.2				
BH121	13/08/12 14:43:00			0.0	0.0	20.8	0.0	0	0	0.2				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH121	13/08/12 14:44:00			0.0	0.0	20.8	0.0	0	0	0.1				
BH121	13/08/12 14:45:00			0.0	0.0	20.8	0.0	0	0	0.0				
BH121	13/08/12 14:46:00			0.0	0.0	20.8	0.0	0	0	0.0				
BH121	13/08/12 14:47:00			0.0	0.0	20.9	0.0	0	0	0.0				
BH121	13/08/12 14:48:00			0.0	0.0	20.9	0.0	0	0	0.0				
BH121	13/08/12 14:49:00			0.0	0.0	20.9	0.0	0	0	0.0				
BH121	13/08/12 14:50:00			0.0	0.0	20.9	0.0	0	0	0.0				
BH121	13/08/12 14:51:00												Dry	
BH121	20/08/12 12:45:00	1018	+0.09											
BH121	20/08/12 12:46:00										0.0			
BH121	20/08/12 12:47:00										0.0			
BH121	20/08/12 12:48:00										0.0			
BH121	20/08/12 12:49:00										0.0			
BH121	20/08/12 12:50:00										0.0			
BH121	20/08/12 12:51:00										0.0			
BH121	20/08/12 12:52:00										0.0			
BH121	20/08/12 12:53:00										0.0			
BH121	20/08/12 12:54:00										0.0			
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH121	20/08/12 12:55:00										0.0			
BH121	20/08/12 12:56:00			0.1	0.0	20.4	66.0	0	0	14.0				
BH121	20/08/12 12:57:00			0.0	0.0	20.3	66.0	0	0	12.4				
BH121	20/08/12 12:58:00			0.1	0.0	20.5	66.0	0	0	11.0				
BH121	20/08/12 12:59:00			0.1	0.0	20.4	66.0	0	0	9.7				
BH121	20/08/12 13:00:00			0.0	0.0	20.4	65.0	0	0	8.7				
BH121	20/08/12 13:01:00			0.0	0.0	20.5	63.0	0	0	7.9				
BH121	20/08/12 13:02:00			0.0	0.0	20.5	62.0	0	0	7.0				
BH121	20/08/12 13:03:00			0.0	0.0	20.5	61.0	0	0	6.4				
BH121	20/08/12 13:04:00			0.0	0.0	20.5	61.0	0	0	5.6				
BH121	20/08/12 13:05:00			0.0	0.0	20.5	60.0	0	0	4.6				
BH121	20/08/12 13:06:00												Dry	
BH121	30/08/12 11:00:00	1013	0.25											
BH121	30/08/12 11:01:00										0.0			
BH121	30/08/12 11:02:00										0.0			
BH121	30/08/12 11:03:00										0.0			
BH121	30/08/12 11:04:00										0.0			
BH121	30/08/12 11:05:00										0.0			
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH121	30/08/12 11:06:00										0.0			
BH121	30/08/12 11:07:00										0.0			
BH121	30/08/12 11:08:00										0.0			
BH121	30/08/12 11:09:00										0.0			
BH121	30/08/12 11:10:00										0.0			
BH121	30/08/12 11:11:00			0.0	0.0	20.5	0.0	0	0	0.0				
BH121	30/08/12 11:12:00			0.0	0.0	20.5	0.0	0	0	0.0				
BH121	30/08/12 11:13:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:14:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:15:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:16:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:17:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:18:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:19:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:20:00			0.0	0.1	20.5	1.0	0	0	0.0				
BH121	30/08/12 11:21:00												Dry	

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	18/07/12 09:00:00	1014	+0.31								0.1			
BH122	18/07/12 09:01:00										0.1			
BH122	18/07/12 09:02:00										0.1			
BH122	18/07/12 09:03:00										-0.1			
BH122	18/07/12 09:04:00										0.0			
BH122	18/07/12 09:05:00										-0.1			
BH122	18/07/12 09:06:00										0.1			
BH122	18/07/12 09:07:00										0.1			
BH122	18/07/12 09:08:00										-0.1			
BH122	18/07/12 09:09:00										-0.1			
BH122	18/07/12 09:10:00										0.0			
BH122	18/07/12 09:11:00			13.9	14.1	0.1	#	0	2					
BH122	18/07/12 09:12:00			13.7	14.1	1.0	#	0	1					
BH122	18/07/12 09:13:00			13.4	14.0	1.5	#	0	0					
BH122	18/07/12 09:14:00			12.9	14.0	2.2	#	0	2					
BH122	18/07/12 09:15:00			12.8	14.0	2.2	#	0	0					
BH122	18/07/12 09:16:00			12.4	14.0	2.3	#	0	4					
BH122	18/07/12 09:17:00			12.0	14.0	2.4	#	0	2					
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	18/07/12 09:18:00			12.0	14.1	3.5	#	0	5					
BH122	18/07/12 09:19:00			12.0	14.1	3.0	#	0	2					
BH122	18/07/12 09:20:00			12.2	14.1	3.1	#	0	3					
BH122	18/07/12 09:21:00												4.05	
BH122	30/07/12 13:00:00	1013	+000.12								-0.1	19		
BH122	30/07/12 13:01:00										0.0			
BH122	30/07/12 13:02:00										-0.1			
BH122	30/07/12 13:03:00										0.0			
BH122	30/07/12 13:04:00										-0.1			
BH122	30/07/12 13:05:00										-0.1			
BH122	30/07/12 13:06:00										-0.1			
BH122	30/07/12 13:07:00										-0.1			
BH122	30/07/12 13:08:00										0.0			
BH122	30/07/12 13:09:00										0.0			
BH122	30/07/12 13:10:00										-0.1			
BH122	30/07/12 13:11:00			12.3	14.1	0.0	#	0	0					
BH122	30/07/12 13:12:00			12.2	14.1	0.0	#	0	2					
BH122	30/07/12 13:13:00			12.3	14.2	0.0	#	0	2					
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	30/07/12 13:14:00			12.4	14.3	0.0	#	0	1					
BH122	30/07/12 13:15:00			12.4	14.5	0.0	#	0	2					
BH122	30/07/12 13:16:00			12.4	14.5	0.0	#	0	2					
BH122	30/07/12 13:17:00			12.4	14.6	0.0	#	0	2					
BH122	30/07/12 13:18:00			12.4	14.7	0.0	#	0	2					
BH122	30/07/12 13:19:00			12.3	14.6	0.0	#	0	0					
BH122	30/07/12 13:20:00			12.3	14.6	0.0	#	0	2					
BH122	30/07/12 13:21:00												3.41	
BH122	06/08/12 13:40:00	1007	-0.04								0.0			
BH122	06/08/12 13:41:00										0.0			
BH122	06/08/12 13:42:00										0.0			
BH122	06/08/12 13:43:00										0.0			
BH122	06/08/12 13:44:00										0.1			
BH122	06/08/12 13:45:00										0.1			
BH122	06/08/12 13:46:00										0.0			
BH122	06/08/12 13:47:00										0.0			
BH122	06/08/12 13:48:00										0.0			
BH122	06/08/12 13:49:00										0.1			
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	06/08/12 13:50:00			12.2	14.0	0.3	#	0	0					
BH122	06/08/12 13:51:00			12.3	14.1	0.2	#	0	0					
BH122	06/08/12 13:52:00			12.3	14.1	0.1	#	0	0					
BH122	06/08/12 13:53:00			12.3	14.1	0.1	#	0	0					
BH122	06/08/12 13:54:00			12.2	14.0	0.1	#	0	0					
BH122	06/08/12 13:55:00			12.2	14.2	0.1	#	0	0					
BH122	06/08/12 13:56:00			12.2	14.2	0.1	#	0	0					
BH122	06/08/12 13:57:00			12.2	14.2	0.0	#	0	0					
BH122	06/08/12 13:58:00			12.2	14.3	0.0	#	0	0					
BH122	06/08/12 13:59:00			12.2	14.3	0.0	#	0	0					
BH122	06/08/12 14:00:00												3.50	
BH122	13/08/12 15:12:00	+1009	-0.10								0.0			
BH122	13/08/12 15:13:00										0.1			
BH122	13/08/12 15:14:00										0.1			
BH122	13/08/12 15:15:00										0.1			
BH122	13/08/12 15:16:00										0.0			
BH122	13/08/12 15:17:00										0.1			
BH122	13/08/12 15:18:00										0.0			
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	13/08/12 15:19:00										0.1			Tedlar gas sample taken.
BH122	13/08/12 15:20:00										0.1			
BH122	13/08/12 15:21:00			12.4	14.2	0.3	#	0	0	85.5				
BH122	13/08/12 15:22:00			12.5	14.2	0.2	#	0	0	93.7				
BH122	13/08/12 15:23:00			12.5	14.5	0.1	#	1	0	95.9				
BH122	13/08/12 15:24:00			12.5	14.5	0.1	#	1	0	92.8				
BH122	13/08/12 15:25:00			12.5	14.5	0.1	#	2	0	89.2				
BH122	13/08/12 15:26:00			12.5	14.5	0.1	#	2	0	78.0				
BH122	13/08/12 15:27:00			12.5	14.6	0.1	#	2	0	75.8				
BH122	13/08/12 15:28:00			12.5	14.6	0.1	#	2	0	73.9				
BH122	13/08/12 15:29:00			12.5	14.6	0.1	#	2	0	72.9				
BH122	13/08/12 15:30:00			12.5	14.6	0.0	#	2	0	71.7				
BH122	13/08/12 15:31:00			12.5	14.6	0.0	#	2	0	71.5				
BH122	13/08/12 15:32:00												3.50	
BH122	20/08/12 12:15:00	1019	-0.22											
BH122	20/08/12 12:16:00										0.0			
BH122	20/08/12 12:17:00										0.0			
BH122	20/08/12 12:18:00										0.0			

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	20/08/12 12:19:00										0.0			
BH122	20/08/12 12:20:00										0.0			
BH122	20/08/12 12:21:00										0.0			
BH122	20/08/12 12:22:00										0.0			
BH122	20/08/12 12:23:00										0.0			
BH122	20/08/12 12:24:00										0.0			
BH122	20/08/12 12:25:00										0.0			
BH122	20/08/12 12:26:00			12.6	13.1	0.4	#	0	0	3.7				
BH122	20/08/12 12:27:00			12.6	13.3	0.3	#	0	0	4.9				
BH122	20/08/12 12:28:00			12.7	13.5	0.2	#	1	0	5.7				
BH122	20/08/12 12:29:00			12.7	13.7	0.2	#	3	0	6.3				
BH122	20/08/12 12:30:00			12.7	13.8	0.2	#	3	0	6.8				
BH122	20/08/12 12:31:00			12.7	13.9	0.1	#	3	0	7.0				
BH122	20/08/12 12:32:00			12.7	14.1	0.1	#	3	0	7.3				
BH122	20/08/12 12:33:00			12.7	14.1	0.1	#	3	0	7.6				
BH122	20/08/12 12:34:00			12.7	14.1	0.1	#	3	0	7.6				
BH122	20/08/12 12:35:00			12.7	14.1	0.1	#	3	0	7.7				
BH122	20/08/12 12:36:00												3.63	

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

CONTRACT 26827	CHECKED CT
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	30/08/12 11:30:00	1013	-0.27											
BH122	30/08/12 11:31:00										0.0			
BH122	30/08/12 11:32:00										0.1			
BH122	30/08/12 11:33:00										0.0			
BH122	30/08/12 11:34:00										0.0			
BH122	30/08/12 11:35:00										0.0			
BH122	30/08/12 11:36:00										0.0			
BH122	30/08/12 11:37:00										0.0			
BH122	30/08/12 11:38:00										0.0			
BH122	30/08/12 11:39:00										0.0			
BH122	30/08/12 11:40:00										0.0			
BH122	30/08/12 11:41:00			12.4	12.6	3.7	#	0	0	3.8				
BH122	30/08/12 11:42:00			12.9	13.1	1.2	#	0	0	3.6				
BH122	30/08/12 11:43:00			13.0	13.3	0.3	#	0	0	3.4				
BH122	30/08/12 11:44:00			13.0	13.2	0.5	#	0	0	4.5				
BH122	30/08/12 11:45:00			13.0	13.0	0.3	#	0	0	5.1				
BH122	30/08/12 11:46:00			13.0	12.7	0.3	#	2	0	6.2				
BH122	30/08/12 11:47:00			13.0	12.6	0.3	#	2	0	6.6				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 26827	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH122	30/08/12 11:48:00			13.0	12.6	0.3	#	2	0	7.1				
BH122	30/08/12 11:49:00			13.0	12.6	0.3	#	2	0	7.5				
BH122	30/08/12 11:50:00			13.0	12.6	0.3	#	2	0	7.6				
BH122	30/08/12 11:51:00												3.62	

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

CONTRACT 26827	CHECKED CT
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH201	16/11/12 10:15:00	1012	+0000.84								0.0			
BH201	16/11/12 10:16:00										-0.1			
BH201	16/11/12 10:17:00										-0.1			
BH201	16/11/12 10:18:00										0.0			
BH201	16/11/12 10:19:00										0.0			
BH201	16/11/12 10:20:00										0.1			
BH201	16/11/12 10:21:00										0.0			
BH201	16/11/12 10:22:00										0.0			
BH201	16/11/12 10:23:00										0.1			
BH201	16/11/12 10:24:00										0.1			
BH201	16/11/12 10:25:00			5.5	0.0	12.3	0.0	0	0	1.0				
BH201	16/11/12 10:26:00			5.6	0.0	12.3	0.0	0	0	0.9				
BH201	16/11/12 10:27:00			5.6	0.0	12.3	0.0	0	0	0.8				
BH201	16/11/12 10:28:00			5.6	0.0	12.3	0.0	0	0	0.9				
BH201	16/11/12 10:29:00			5.6	0.0	12.3	0.0	0	0	1.0				
BH201	16/11/12 10:30:00			5.6	0.0	12.3	0.0	0	0	1.0				
BH201	16/11/12 10:31:00			5.6	0.0	12.3	0.0	0	0	1.0				
BH201	16/11/12 10:32:00			5.6	0.0	12.3	0.0	0	0	1.0				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 27417	CHECKED RE

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH201	16/11/12 10:33:00			5.6	0.0	12.3	0.0	0	0	1.0				No interface detected.
BH201	16/11/12 10:34:00			5.6	0.0	12.3	0.0	0	0	1.0			3.38	
BH201	23/11/12 11:45:00	1012	+0.61								0.0			
BH201	23/11/12 11:46:00										-0.2			
BH201	23/11/12 11:47:00										-0.1			
BH201	23/11/12 11:48:00										-0.1			
BH201	23/11/12 11:49:00										-0.1			
BH201	23/11/12 11:50:00										0.0			
BH201	23/11/12 11:51:00										-0.1			
BH201	23/11/12 11:52:00										-0.1			
BH201	23/11/12 11:53:00										-0.1			
BH201	23/11/12 11:54:00										-0.1			
BH201	23/11/12 11:55:00			4.8	0.0	13.4	0.0	0	0	0.6				
BH201	23/11/12 11:56:00			4.8	0.0	13.1	0.0	0	0	0.6				
BH201	23/11/12 11:57:00			4.8	0.0	13.1	0.0	0	0	0.6				
BH201	23/11/12 11:58:00			4.8	0.0	13.1	0.0	0	0	0.7				
BH201	23/11/12 11:59:00			4.8	0.0	13.1	0.0	0	0	0.6				
BH201	23/11/12 12:00:00			4.8	0.0	13.1	0.0	0	0	0.6				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH201	23/11/12 12:01:00			4.9	0.0	13.1	0.0	0	0	0.6				No interface detected
BH201	23/11/12 12:02:00			4.9	0.0	13.1	0.0	0	0	0.5				
BH201	23/11/12 12:03:00			5.0	0.0	13.0	0.0	0	0	0.4				
BH201	23/11/12 12:04:00			5.0	0.0	12.9	0.0	0	0	0.3				
BH201	30/11/12 10:45:00	1010	+0.06								0.0	3		
BH201	30/11/12 10:46:00										0.0			
BH201	30/11/12 10:47:00										0.0			
BH201	30/11/12 10:48:00										0.1			
BH201	30/11/12 10:49:00										0.1			
BH201	30/11/12 10:50:00										0.1			
BH201	30/11/12 10:51:00										0.1			
BH201	30/11/12 10:52:00										0.1			
BH201	30/11/12 10:53:00										0.1			
BH201	30/11/12 10:54:00										0.1			
BH201	30/11/12 10:55:00			4.4	0.0	14.5	0.0	0	0	0.5				
BH201	30/11/12 10:56:00			4.4	0.0	14.5	0.0	0	0	0.6				
BH201	30/11/12 10:57:00			4.4	0.0	14.7	0.0	0	0	0.7				
BH201	30/11/12 10:58:00			4.4	0.0	14.5	0.0	0	0	0.7				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH201	30/11/12 10:59:00			4.4	0.0	14.5	0.0	0	0	0.6				No interface detected
BH201	30/11/12 11:00:00			4.4	0.0	14.5	0.0	0	0	0.6				
BH201	30/11/12 11:01:00			4.3	0.0	14.6	0.0	0	0	0.6				
BH201	30/11/12 11:02:00			4.3	0.0	14.7	0.0	0	0	0.5				
BH201	30/11/12 11:03:00			4.2	0.0	14.9	0.0	0	0	0.5				
BH201	30/11/12 11:04:00			4.2	0.0	15.0	0.0	0	0	0.5			3.37	
BH201	05/12/12 11:15:00	1007	-0.64								0.1	3		
BH201	05/12/12 11:16:00										0.0			
BH201	05/12/12 11:17:00										0.0			
BH201	05/12/12 11:18:00										0.0			
BH201	05/12/12 11:19:00										0.0			
BH201	05/12/12 11:20:00										0.0			
BH201	05/12/12 11:21:00										0.0			
BH201	05/12/12 11:22:00										0.0			
BH201	05/12/12 11:23:00										0.0			
BH201	05/12/12 11:24:00										0.0			
BH201	05/12/12 11:25:00			3.1	0.0	16.9	0.0	0	0	0.5				
BH201	05/12/12 11:26:00			3.1	0.0	16.7	0.0	0	0	0.6				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH201	05/12/12 11:27:00			3.2	0.0	16.7	0.0	0	0	0.7				No interface detected
BH201	05/12/12 11:28:00			3.2	0.0	16.7	0.0	0	0	0.7				
BH201	05/12/12 11:29:00			3.2	0.0	16.7	0.0	0	0	0.7				
BH201	05/12/12 11:30:00			3.2	0.0	16.7	0.0	0	0	0.7				
BH201	05/12/12 11:31:00			3.2	0.0	16.7	0.0	0	0	0.7				
BH201	05/12/12 11:32:00			3.2	0.0	16.7	0.0	0	0	0.7				
BH201	05/12/12 11:33:00			3.2	0.0	16.7	0.0	0	0	0.6				
BH201	05/12/12 11:34:00			3.1	0.0	16.8	0.0	0	0	0.6		3.38		

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH202	16/11/12 10:40:00	1012	-044.64								-3.7			
BH202	16/11/12 10:41:00										-2.5			
BH202	16/11/12 10:42:00										-1.0			
BH202	16/11/12 10:43:00										-0.2			
BH202	16/11/12 10:44:00										0.0			
BH202	16/11/12 10:45:00										0.0			
BH202	16/11/12 10:46:00										-0.1			
BH202	16/11/12 10:47:00										-0.1			
BH202	16/11/12 10:48:00										-0.1			
BH202	16/11/12 10:49:00										-0.1			
BH202	16/11/12 10:50:00			0.6	0.0	19.8	1.0	0	1	1.8				
BH202	16/11/12 10:51:00			0.6	0.0	19.8	2.0	0	2	1.8				
BH202	16/11/12 10:52:00			0.7	0.1	19.6	1.0	0	0	1.9				
BH202	16/11/12 10:53:00			0.8	0.1	19.4	1.0	0	3	1.8				
BH202	16/11/12 10:54:00			0.9	0.1	19.2	1.0	0	3	1.8				
BH202	16/11/12 10:55:00			1.0	0.1	19.0	2.0	0	6	1.8				
BH202	16/11/12 10:56:00			1.1	0.1	18.7	2.0	0	0	1.8				
BH202	16/11/12 10:57:00			1.2	0.2	18.4	2.0	0	0	1.7				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks	
BH202	16/11/12 10:58:00			1.3	0.2	18.0	2.0	0	0	1.6				No interace detected.	
BH202	16/11/12 10:59:00			1.5	0.2	17.5	3.0	0	1	1.6			3.13		
BH202	23/11/12 13:30:00	1011	+0.67												
BH202	23/11/12 13:31:00														
BH202	23/11/12 13:32:00														
BH202	23/11/12 13:33:00														
BH202	23/11/12 13:34:00														
BH202	23/11/12 13:35:00														
BH202	23/11/12 13:36:00														
BH202	23/11/12 13:37:00														
BH202	23/11/12 13:38:00														
BH202	23/11/12 13:39:00														
BH202	23/11/12 13:40:00			0.5	0.0	20.0	0.0	0	0	1.5					
BH202	23/11/12 13:41:00			0.4	0.0	20.1	0.0	0	0	1.3					
BH202	23/11/12 13:42:00			0.3	0.0	20.2	0.0	0	0	1.0					
BH202	23/11/12 13:43:00			0.2	0.0	20.3	0.0	0	0	0.8					
BH202	23/11/12 13:44:00			0.2	0.0	20.5	0.0	0	0	0.6					
BH202	23/11/12 13:45:00			0.1	0.0	20.5	0.0	0	0	0.5					
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 27417		CHECKED RE

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH202	23/11/12 13:46:00			0.1	0.0	20.5	0.0	0	0	0.4				No interface detected
BH202	23/11/12 13:47:00			0.1	0.0	20.5	0.0	0	0	0.3				
BH202	23/11/12 13:48:00			0.0	0.0	20.6	0.0	0	0	0.2				
BH202	23/11/12 13:49:00			0.0	0.0	20.6	0.0	0	0	0.2			3.16	
BH202	30/11/12 11:20:00	1011	+0.23								0.0	3		
BH202	30/11/12 11:21:00										-0.1			
BH202	30/11/12 11:22:00										-0.2			
BH202	30/11/12 11:23:00										-0.1			
BH202	30/11/12 11:24:00										-0.1			
BH202	30/11/12 11:25:00										-0.2			
BH202	30/11/12 11:26:00										-0.1			
BH202	30/11/12 11:27:00										-0.1			
BH202	30/11/12 11:28:00										-0.2			
BH202	30/11/12 11:29:00										-0.1			
BH202	30/11/12 11:30:00			0.8	0.0	20.5	0.0	0	0	1.5				
BH202	30/11/12 11:31:00			0.6	0.0	20.6	0.0	0	0	1.2				
BH202	30/11/12 11:32:00			0.5	0.0	20.7	0.0	0	0	0.9				
BH202	30/11/12 11:33:00			0.3	0.0	20.7	0.0	0	0	0.6				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH202	30/11/12 11:34:00			0.2	0.0	20.8	0.0	0	0	0.6				No interface detected
BH202	30/11/12 11:35:00			0.2	0.0	20.8	0.0	0	0	0.4				
BH202	30/11/12 11:36:00			0.1	0.0	20.8	0.0	0	0	0.1				
BH202	30/11/12 11:37:00			0.1	0.0	20.9	0.0	0	0	0.1				
BH202	30/11/12 11:38:00			0.1	0.0	20.8	0.0	0	0	0.0				
BH202	30/11/12 11:39:00			0.0	0.0	20.8	0.0	0	0	0.0			3.15	
BH202	05/12/12 11:50:00	1008	-0.73								0.0	3		
BH202	05/12/12 11:51:00										0.0			
BH202	05/12/12 11:52:00										0.0			
BH202	05/12/12 11:53:00										0.0			
BH202	05/12/12 11:54:00										0.0			
BH202	05/12/12 11:55:00										0.0			
BH202	05/12/12 11:56:00										0.0			
BH202	05/12/12 11:57:00										0.0			
BH202	05/12/12 11:58:00										0.0			
BH202	05/12/12 11:59:00										0.0			
BH202	05/12/12 12:00:00			0.5	0.0	21.4	0.0	0	0	1.6				
BH202	05/12/12 12:01:00			0.3	0.0	21.5	0.0	0	0	1.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH202	05/12/12 12:02:00			0.2	0.0	21.7	0.0	0	0	0.6				No interface detected.
BH202	05/12/12 12:03:00			0.1	0.0	21.8	0.0	0	0	0.4				
BH202	05/12/12 12:04:00			0.1	0.0	21.8	0.0	0	0	0.3				
BH202	05/12/12 12:05:00			0.1	0.0	21.8	0.0	0	0	0.2				
BH202	05/12/12 12:06:00			0.1	0.0	21.9	0.0	0	0	0.2				
BH202	05/12/12 12:07:00			0.1	0.0	21.9	0.0	0	0	0.2				
BH202	05/12/12 12:08:00			0.0	0.0	21.9	0.0	0	0	0.0				
BH202	05/12/12 12:09:00			0.0	0.0	21.9	0.0	0	0	0.0			3.15	

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH203A	16/11/12 11:15:00	1010	+0.67								0.0			
BH203A	16/11/12 11:16:00										-0.1			
BH203A	16/11/12 11:17:00										0.0			
BH203A	16/11/12 11:18:00										0.0			
BH203A	16/11/12 11:19:00										-0.1			
BH203A	16/11/12 11:20:00										0.0			
BH203A	16/11/12 11:21:00										-0.1			
BH203A	16/11/12 11:22:00										0.0			
BH203A	16/11/12 11:23:00										-0.1			
BH203A	16/11/12 11:24:00										-0.1			
BH203A	16/11/12 11:25:00			12.6	3.7	0.6	74.0	1	7	23.1				
BH203A	16/11/12 11:26:00			12.6	3.8	0.4	76.0	0	13	24.8				
BH203A	16/11/12 11:27:00			12.6	3.8	0.3	77.0	0	17	27.0				
BH203A	16/11/12 11:28:00			12.7	3.8	0.3	76.0	0	20	28.9				
BH203A	16/11/12 11:29:00			12.8	3.9	0.2	78.0	0	20	31.0				
BH203A	16/11/12 11:30:00			12.8	3.9	0.1	78.0	0	21	33.0				
BH203A	16/11/12 11:31:00			12.9	3.9	0.1	78.0	1	24	33.8				
BH203A	16/11/12 11:32:00			12.9	4.0	0.0	78.0	0	32	34.4				

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH203A	16/11/12 11:33:00			12.9	4.0	0.0	80.0	0	39	35.1				No interface detected.
BH203A	16/11/12 11:34:00			13.0	4.0	0.0	80.0	0	41	36.1			3.52	
BH203A	23/11/12 13:00:00	1011	+0.71								0.1			
BH203A	23/11/12 13:01:00										0.0			
BH203A	23/11/12 13:02:00										-0.1			
BH203A	23/11/12 13:03:00										0.0			
BH203A	23/11/12 13:04:00										0.0			
BH203A	23/11/12 13:05:00										-0.1			
BH203A	23/11/12 13:06:00										0.0			
BH203A	23/11/12 13:07:00										-0.1			
BH203A	23/11/12 13:08:00										0.0			
BH203A	23/11/12 13:09:00										0.0			
BH203A	23/11/12 13:10:00			5.4	1.4	11.4	29.0	0	0	26.5				
BH203A	23/11/12 13:11:00			5.9	1.6	10.3	33.0	0	0	28.2				
BH203A	23/11/12 13:12:00			6.6	1.8	9.3	37.0	0	0	29.6				
BH203A	23/11/12 13:13:00			7.4	2.0	8.3	40.0	0	0	31.3				
BH203A	23/11/12 13:14:00			8.0	2.2	7.3	43.0	0	0	32.7				
BH203A	23/11/12 13:15:00			8.5	2.3	6.6	47.0	0	0	33.8				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH203A	23/11/12 13:16:00			8.9	2.5	5.9	50.0	0	0	34.9				No interface detected
BH203A	23/11/12 13:17:00			9.3	2.6	5.4	52.0	0	0	35.7				
BH203A	23/11/12 13:18:00			9.7	2.7	4.9	53.0	0	0	36.6				
BH203A	23/11/12 13:19:00			10.1	2.9	4.4	57.0	0	0	37.5				
BH203A	30/11/12 14:45:00	1011	+0.16								0.0	3		
BH203A	30/11/12 14:46:00										0.0			
BH203A	30/11/12 14:47:00										0.1			
BH203A	30/11/12 14:48:00										0.0			
BH203A	30/11/12 14:49:00										0.0			
BH203A	30/11/12 14:50:00										0.1			
BH203A	30/11/12 14:51:00										0.0			
BH203A	30/11/12 14:52:00										0.0			
BH203A	30/11/12 14:53:00										0.1			
BH203A	30/11/12 14:54:00										0.1			
BH203A	30/11/12 14:55:00			9.9	4.0	5.6	79.0	0	0	21.4				
BH203A	30/11/12 14:56:00			9.1	3.8	6.5	75.0	0	0	22.4				
BH203A	30/11/12 14:57:00			8.6	3.6	7.6	71.0	0	0	23.1				
BH203A	30/11/12 14:58:00			8.5	3.5	7.6	68.0	0	0	25.1				

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH203A	30/11/12 14:59:00			9.0	3.6	6.8	72.0	0	0	27.5				No interface detected
BH203A	30/11/12 15:00:00			9.4	3.8	6.3	76.0	0	0	29.0				
BH203A	30/11/12 15:01:00			9.7	3.9	5.7	79.0	0	0	30.3				
BH203A	30/11/12 15:02:00			9.7	4.0	5.9	79.0	0	0	30.7				
BH203A	30/11/12 15:03:00			9.8	4.0	5.8	79.0	0	0	31.8				
BH203A	30/11/12 15:04:00			10.0	4.0	5.5	80.0	0	0	32.4			3.50	
BH203A	05/12/12 14:15:00	1009	-0.98								0.0	3		
BH203A	05/12/12 14:16:00										0.0			
BH203A	05/12/12 14:17:00										-0.1			
BH203A	05/12/12 14:18:00										0.1			
BH203A	05/12/12 14:19:00										0.0			
BH203A	05/12/12 14:20:00										0.0			
BH203A	05/12/12 14:21:00										0.0			
BH203A	05/12/12 14:22:00										-0.1			
BH203A	05/12/12 14:23:00										0.0			
BH203A	05/12/12 14:24:00										0.0			
BH203A	05/12/12 14:25:00			3.0	0.4	16.0	8.0	0	0	31.3				
BH203A	05/12/12 14:26:00			3.0	0.5	15.9	9.0	0	1	33.3				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH203A	05/12/12 14:27:00			3.0	0.5	15.8	9.0	0	1	35.2				
BH203A	05/12/12 14:28:00			3.0	0.5	15.8	9.0	0	1	36.0				
BH203A	05/12/12 14:29:00			3.0	0.5	15.8	9.0	0	1	36.9				
BH203A	05/12/12 14:30:00			3.1	0.5	15.7	9.0	0	1	38.0				
BH203A	05/12/12 14:31:00			3.1	0.5	15.6	9.0	0	1	38.6				
BH203A	05/12/12 14:32:00			3.2	0.5	15.5	9.0	0	1	38.9				
BH203A	05/12/12 14:33:00			3.4	0.5	15.2	9.0	0	1	42.0				
BH203A	05/12/12 14:34:00			4.0	0.5	14.3	9.0	0	0	45.9				
BH203A	05/12/12 14:35:00			4.7	0.5	13.3	9.0	0	0	50.5				
BH203A	05/12/12 14:36:00			5.2	0.5	12.4	10.0	0	0	53.9				
BH203A	05/12/12 14:37:00			6.2	0.5	11.1	10.0	0	0	59.7				
BH203A	05/12/12 14:38:00			7.1	0.5	9.8	10.0	0	0	65.1			3.50	No interface detected

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH204	16/11/12 13:00:00	1010	+0.48								0.1			
BH204	16/11/12 13:01:00										0.1			
BH204	16/11/12 13:02:00										0.1			
BH204	16/11/12 13:03:00										0.0			
BH204	16/11/12 13:04:00										0.0			
BH204	16/11/12 13:05:00										0.1			
BH204	16/11/12 13:06:00										0.0			
BH204	16/11/12 13:07:00										0.1			
BH204	16/11/12 13:08:00										0.1			
BH204	16/11/12 13:09:00										0.1			
BH204	16/11/12 13:10:00			13.5	18.1	1.0	#	0	8	2.2				
BH204	16/11/12 13:11:00			13.6	18.2	1.0	#	0	10	2.3				
BH204	16/11/12 13:12:00			13.6	18.2	0.9	#	0	9	2.3				
BH204	16/11/12 13:13:00			13.6	18.5	0.9	#	0	8	2.4				
BH204	16/11/12 13:14:00			13.8	18.5	0.8	#	0	5	2.4				
BH204	16/11/12 13:15:00			14.0	18.9	0.5	#	1	9	2.5				
BH204	16/11/12 13:16:00			14.5	19.4	0.3	#	0	11	2.5				
BH204	16/11/12 13:17:00			14.7	19.6	0.2	#	0	12	2.6				

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH204	16/11/12 13:18:00			14.8	20.0	0.1	#	1	17	2.7				No interface detected.
BH204	16/11/12 13:19:00			14.9	20.1	0.0	#	0	23	2.8			4.13	
BH204	23/11/12 14:15:00	1011	+0.53								0.1			
BH204	23/11/12 14:16:00										-0.1			
BH204	23/11/12 14:17:00										0.0			
BH204	23/11/12 14:18:00										0.1			
BH204	23/11/12 14:19:00										-0.1			
BH204	23/11/12 14:20:00										0.0			
BH204	23/11/12 14:21:00										0.0			
BH204	23/11/12 14:22:00										0.0			
BH204	23/11/12 14:23:00										0.1			
BH204	23/11/12 14:24:00										0.0			
BH204	23/11/12 14:25:00			11.8	15.1	4.3	#	0	0					
BH204	23/11/12 14:26:00			11.8	14.9	4.2	#	0	0					
BH204	23/11/12 14:27:00			11.5	14.7	4.5	#	0	0					
BH204	23/11/12 14:28:00			11.6	14.6	4.2	#	0	0					
BH204	23/11/12 14:29:00			11.5	14.6	4.4	#	0	0					
BH204	23/11/12 14:30:00			11.5	14.6	4.4	#	0	0					

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH204	23/11/12 14:31:00			11.7	14.7	4.0	#	0	0					No interface detected
BH204	23/11/12 14:32:00			11.9	15.0	3.8	#	0	0					
BH204	23/11/12 14:33:00			12.1	15.3	3.6	#	0	0					
BH204	23/11/12 14:34:00			12.1	15.3	3.6	#	0	0				4.15	
BH204	30/11/12 14:00:00	1011	+0.15								-0.2			
BH204	30/11/12 14:01:00										-0.1			
BH204	30/11/12 14:02:00										-0.1			
BH204	30/11/12 14:03:00										-0.1			
BH204	30/11/12 14:04:00										-0.1			
BH204	30/11/12 14:05:00										-0.1			
BH204	30/11/12 14:06:00										-0.2			
BH204	30/11/12 14:07:00										-0.2			
BH204	30/11/12 14:08:00										-0.1			
BH204	30/11/12 14:09:00										-0.1			
BH204	30/11/12 14:10:00			13.9	16.4	2.2	#	0	0	2.3				
BH204	30/11/12 14:11:00			13.8	16.4	2.1	#	0	0	2.4				
BH204	30/11/12 14:12:00			14.1	16.5	2.1	#	0	0	2.5				
BH204	30/11/12 14:13:00			14.0	16.5	2.0	#	0	0	2.5				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH204	30/11/12 14:14:00			13.9	16.5	2.0	#	0	0	2.6				No interface detected
BH204	30/11/12 14:15:00			14.0	16.4	2.0	#	0	0	2.7				
BH204	30/11/12 14:16:00			14.0	16.5	1.9	#	0	0	2.8				
BH204	30/11/12 14:17:00			14.0	16.5	1.9	#	0	0	3.0				
BH204	30/11/12 14:18:00			14.0	16.6	1.8	#	0	0	3.2				
BH204	30/11/12 14:19:00			14.1	16.7	1.7	#	0	0	3.4			4.11	
BH204	05/12/12 13:35:00	1009	-0.87								0.0	3		
BH204	05/12/12 13:36:00										0.0			
BH204	05/12/12 13:37:00										0.0			
BH204	05/12/12 13:38:00										0.0			
BH204	05/12/12 13:39:00										0.0			
BH204	05/12/12 13:40:00										0.0			
BH204	05/12/12 13:41:00										-0.1			
BH204	05/12/12 13:42:00										0.0			
BH204	05/12/12 13:43:00										-0.1			
BH204	05/12/12 13:44:00										0.0			
BH204	05/12/12 13:45:00			8.7	10.7	7.8	#	0	0	3.1				
BH204	05/12/12 13:46:00			8.7	10.7	7.6	#	0	0	3.2				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH204	05/12/12 13:47:00			8.8	10.7	7.6	#	0	0	3.2				No interface detected
BH204	05/12/12 13:48:00			8.8	10.7	7.6	#	0	0	3.3				
BH204	05/12/12 13:49:00			8.8	10.8	7.5	#	0	0	3.3				
BH204	05/12/12 13:50:00			8.8	10.8	7.6	#	0	0	3.4				
BH204	05/12/12 13:51:00			8.9	10.9	7.4	#	0	0	3.4				
BH204	05/12/12 13:52:00			9.0	11.0	7.3	#	0	0	3.5				
BH204	05/12/12 13:53:00			9.3	11.2	7.0	#	0	0	3.7				
BH204	05/12/12 13:54:00			9.5	11.4	6.8	#	0	0	3.9			4.10	

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH205	16/11/12 13:30:00	1012	+0.75								-0.1			
BH205	16/11/12 13:31:00										-0.2			
BH205	16/11/12 13:32:00										-0.1			
BH205	16/11/12 13:33:00										-0.2			
BH205	16/11/12 13:34:00										-0.2			
BH205	16/11/12 13:35:00										-0.1			
BH205	16/11/12 13:36:00										-0.1			
BH205	16/11/12 13:37:00										-0.1			
BH205	16/11/12 13:38:00										-0.2			
BH205	16/11/12 13:39:00										-0.1			
BH205	16/11/12 13:40:00			0.1	0.0	20.7	0.0	0	0	1.1				
BH205	16/11/12 13:41:00			0.0	0.0	20.7	0.0	0	3	0.7				
BH205	16/11/12 13:42:00			0.0	0.1	20.8	0.0	0	0	0.4				
BH205	16/11/12 13:43:00			0.0	0.1	20.8	0.0	0	1	0.2				
BH205	16/11/12 13:44:00			0.0	0.1	20.8	0.0	0	2	0.1				
BH205	16/11/12 13:45:00			0.0	0.1	20.8	0.0	0	3	0.1				
BH205	16/11/12 13:46:00			0.0	0.1	20.8	0.0	0	1	0.0				
BH205	16/11/12 13:47:00			0.0	0.1	20.8	0.0	0	1	0.0				

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH205	16/11/12 13:48:00			0.0	0.2	20.8	0.0	0	0	0.0				No interface detected.
BH205	16/11/12 13:49:00			0.0	0.2	20.8	0.0	0	2	0.0			3.18	
BH205	23/11/12 12:15:00	1012	+0.85								0.0			
BH205	23/11/12 12:16:00										-0.1			
BH205	23/11/12 12:17:00										0.1			
BH205	23/11/12 12:18:00										-0.1			
BH205	23/11/12 12:19:00										0.0			
BH205	23/11/12 12:20:00										-0.1			
BH205	23/11/12 12:21:00										-0.1			
BH205	23/11/12 12:22:00										-0.1			
BH205	23/11/12 12:23:00										-0.1			
BH205	23/11/12 12:24:00										0.0			
BH205	23/11/12 12:25:00			0.3	0.0	20.3	0.0	0	0	0.9				
BH205	23/11/12 12:26:00			0.2	0.0	20.4	0.0	0	0	0.3				
BH205	23/11/12 12:27:00			0.1	0.0	20.5	0.0	0	0	0.1				
BH205	23/11/12 12:28:00			0.0	0.0	20.5	0.0	0	0	0.0				
BH205	23/11/12 12:29:00			0.0	0.0	20.6	0.0	0	0	0.0				
BH205	23/11/12 12:30:00			0.0	0.0	20.6	0.0	0	0	0.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole / trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH205	23/11/12 12:31:00			0.0	0.0	20.6	0.0	0	0	0.0				No interface detected
BH205	23/11/12 12:32:00			0.0	0.0	20.6	0.0	0	0	0.0				
BH205	23/11/12 12:33:00			0.0	0.0	20.6	0.0	0	0	0.0				
BH205	23/11/12 12:34:00			0.0	0.0	20.6	0.0	0	0	0.0			3.20	
BH205	30/11/12 12:00:00	1011	+0.27								-0.1	3		
BH205	30/11/12 12:01:00										0.0			
BH205	30/11/12 12:02:00										0.1			
BH205	30/11/12 12:03:00										0.0			
BH205	30/11/12 12:04:00										-0.1			
BH205	30/11/12 12:05:00										0.0			
BH205	30/11/12 12:06:00										-0.1			
BH205	30/11/12 12:07:00										-0.1			
BH205	30/11/12 12:08:00										-0.1			
BH205	30/11/12 12:09:00										0.0			
BH205	30/11/12 12:10:00			0.3	0.0	20.5	0.0	0	0	0.6				
BH205	30/11/12 12:11:00			0.2	0.0	20.6	0.0	0	0	0.2				
BH205	30/11/12 12:12:00			0.2	0.0	20.6	0.0	0	0	0.1				
BH205	30/11/12 12:13:00			0.0	0.0	20.9	0.0	0	0	0.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH205	30/11/12 12:14:00			0.0	0.0	20.8	0.0	0	0	0.0				No interface detected
BH205	30/11/12 12:15:00			0.0	0.0	20.7	0.0	0	0	0.0				
BH205	30/11/12 12:16:00			0.0	0.0	20.7	0.0	0	0	0.0				
BH205	30/11/12 12:17:00			0.0	0.0	20.7	0.0	0	0	0.0				
BH205	30/11/12 12:18:00			0.0	0.0	20.7	0.0	0	0	0.0				
BH205	30/11/12 12:19:00			0.0	0.0	20.7	0.0	0	0	0.0			3.15	
BH205	05/12/12 12:30:00										0.0			
BH205	05/12/12 12:31:00										0.0			
BH205	05/12/12 12:32:00										0.0			
BH205	05/12/12 12:33:00										0.0			
BH205	05/12/12 12:34:00										0.0			
BH205	05/12/12 12:35:00										0.0			
BH205	05/12/12 12:36:00										0.0			
BH205	05/12/12 12:37:00										0.0			
BH205	05/12/12 12:38:00										0.0			
BH205	05/12/12 12:39:00										0.0			
BH205	05/12/12 12:40:00			0.3	0.0	21.4	0.0	0	0	0.9				
BH205	05/12/12 12:41:00			0.2	0.0	21.5	0.0	0	0	0.6				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH205	05/12/12 12:42:00			0.1	0.0	21.6	0.0	0	0	0.4				No interface detected
BH205	05/12/12 12:43:00			0.1	0.0	21.6	0.0	0	0	0.3				
BH205	05/12/12 12:44:00			0.1	0.0	21.7	0.0	0	0	0.3				
BH205	05/12/12 12:45:00			0.1	0.0	21.7	0.0	0	0	0.1				
BH205	05/12/12 12:46:00			0.1	0.0	21.7	0.0	0	0	0.0				
BH205	05/12/12 12:47:00			0.1	0.0	21.7	0.0	0	0	0.0				
BH205	05/12/12 12:48:00			0.1	0.0	21.7	0.0	0	0	0.0				
BH205	05/12/12 12:49:00			0.0	0.0	21.7	0.0	0	0	0.0		3.18		

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH206	16/11/12 14:00:00	1013	+0.88								0.0			
BH206	16/11/12 14:01:00										0.1			
BH206	16/11/12 14:02:00										0.0			
BH206	16/11/12 14:03:00										0.1			
BH206	16/11/12 14:04:00										0.2			
BH206	16/11/12 14:05:00										0.3			
BH206	16/11/12 14:06:00										0.3			
BH206	16/11/12 14:07:00										0.3			
BH206	16/11/12 14:08:00										0.3			
BH206	16/11/12 14:09:00										0.3			
BH206	16/11/12 14:10:00										0.2			
BH206	16/11/12 14:11:00			1.0	0.0	20.2	0.0	0	0	0.0				
BH206	16/11/12 14:12:00			1.0	0.0	20.2	0.0	0	0	0.0				
BH206	16/11/12 14:13:00			1.0	0.0	20.1	0.0	0	0	0.0				
BH206	16/11/12 14:14:00			1.0	0.0	20.1	0.0	0	0	0.0				
BH206	16/11/12 14:15:00			1.0	0.0	20.1	0.0	0	0	0.0				
BH206	16/11/12 14:16:00			1.0	0.0	20.1	0.0	0	0	0.0				
BH206	16/11/12 14:17:00			1.0	0.0	20.1	0.0	0	0	0.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH206	16/11/12 14:18:00			1.0	0.0	20.1	0.0	0	0	0.0				No interface detected.
BH206	16/11/12 14:19:00			1.0	0.0	20.1	0.0	0	0	0.0				
BH206	16/11/12 14:20:00			1.0	0.0	20.1	0.0	0	0	0.0			3.44	
BH206	23/11/12 11:00:00	1012	+0.44								-0.1			
BH206	23/11/12 11:01:00										-0.1			
BH206	23/11/12 11:02:00										-0.1			
BH206	23/11/12 11:03:00										-0.2			
BH206	23/11/12 11:04:00										-0.1			
BH206	23/11/12 11:05:00										-0.1			
BH206	23/11/12 11:06:00										-0.2			
BH206	23/11/12 11:07:00										-0.1			
BH206	23/11/12 11:08:00										-0.1			
BH206	23/11/12 11:09:00										-0.1			
BH206	23/11/12 11:10:00			0.7	0.0	20.1	0.0	0	0	0.0				
BH206	23/11/12 11:11:00			0.7	0.0	20.0	0.0	0	0	0.0				
BH206	23/11/12 11:12:00			0.7	0.0	20.0	0.0	0	0	0.0				
BH206	23/11/12 11:13:00			0.7	0.0	20.0	0.0	0	0	0.0				
BH206	23/11/12 11:14:00			0.7	0.0	20.0	0.0	0	0	0.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH206	23/11/12 11:15:00			0.7	0.0	20.0	0.0	0	0	0.0				No interface detected
BH206	23/11/12 11:16:00			0.7	0.0	20.0	0.0	0	0	0.0				
BH206	23/11/12 11:17:00			0.7	0.0	20.0	0.0	0	0	0.0				
BH206	23/11/12 11:18:00			0.7	0.0	19.9	0.0	0	0	0.0				
BH206	23/11/12 11:19:00			0.7	0.0	19.9	0.0	0	0	0.0			3.46	
BH206	30/11/12 10:00:00	1010	-0.77								-0.1	3		
BH206	30/11/12 10:01:00										-0.1			
BH206	30/11/12 10:02:00										0.0			
BH206	30/11/12 10:03:00										0.0			
BH206	30/11/12 10:04:00										0.1			
BH206	30/11/12 10:05:00										0.1			
BH206	30/11/12 10:06:00										0.2			
BH206	30/11/12 10:07:00										0.3			
BH206	30/11/12 10:08:00										0.2			
BH206	30/11/12 10:09:00										0.2			
BH206	30/11/12 10:10:00			0.4	0.0	20.6	0.0	0	0	0.0				
BH206	30/11/12 10:11:00			0.4	0.0	20.6	0.0	0	0	0.0				
BH206	30/11/12 10:12:00			0.4	0.0	20.7	0.0	0	0	0.0				

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH206	30/11/12 10:13:00			0.4	0.0	20.6	0.0	0	0	0.0				No interface detected
BH206	30/11/12 10:14:00			0.4	0.0	20.6	0.0	0	0	0.0				
BH206	30/11/12 10:15:00			0.5	0.0	20.6	0.0	0	0	0.0				
BH206	30/11/12 10:16:00			0.5	0.0	20.6	0.0	0	0	0.0				
BH206	30/11/12 10:17:00			0.5	0.0	20.7	0.0	0	0	0.0				
BH206	30/11/12 10:18:00			0.5	0.0	20.6	0.0	0	0	0.0				
BH206	30/11/12 10:19:00			0.5	0.0	20.6	0.0	0	0	0.0			3.45	
BH206	05/12/12 10:30:00	1007	-0.51								0.0	3		
BH206	05/12/12 10:31:00										0.0			
BH206	05/12/12 10:32:00										0.0			
BH206	05/12/12 10:33:00										0.0			
BH206	05/12/12 10:34:00										0.0			
BH206	05/12/12 10:35:00										0.0			
BH206	05/12/12 10:36:00										0.0			
BH206	05/12/12 10:37:00										0.0			
BH206	05/12/12 10:38:00										0.0			
BH206	05/12/12 10:39:00										0.0			
BH206	05/12/12 10:40:00			0.4	0.1	21.4	1.0	0	0	0.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH206	05/12/12 10:41:00			0.4	0.1	21.4	1.0	0	0	0.0				No interface detected
BH206	05/12/12 10:42:00			0.4	0.1	21.4	1.0	0	0	0.0				
BH206	05/12/12 10:43:00			0.4	0.1	21.4	1.0	0	0	0.0				
BH206	05/12/12 10:44:00			0.4	0.1	21.5	1.0	0	0	0.0				
BH206	05/12/12 10:45:00			0.4	0.1	21.5	1.0	0	0	0.0				
BH206	05/12/12 10:46:00			0.4	0.1	21.5	1.0	0	0	0.0				
BH206	05/12/12 10:47:00			0.4	0.0	21.5	0.0	0	0	0.0				
BH206	05/12/12 10:48:00			0.4	0.1	21.5	1.0	0	0	0.0				
BH206	05/12/12 10:49:00			0.4	0.0	21.6	0.0	0	0	0.0			3.45	

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH208	16/11/12 14:30:00	1011	+0.76								0.1			
BH208	16/11/12 14:31:00										0.1			
BH208	16/11/12 14:32:00										0.0			
BH208	16/11/12 14:33:00										0.0			
BH208	16/11/12 14:34:00										0.1			
BH208	16/11/12 14:35:00										0.0			
BH208	16/11/12 14:36:00										0.1			
BH208	16/11/12 14:37:00										0.1			
BH208	16/11/12 14:38:00										0.1			
BH208	16/11/12 14:39:00										0.0			
BH208	16/11/12 14:40:00			2.3	0.0	13.4	0.0	0	13	2.4				
BH208	16/11/12 14:41:00			2.4	0.0	13.3	0.0	0	15	2.4				
BH208	16/11/12 14:42:00			2.4	0.0	13.2	0.0	0	15	2.4				
BH208	16/11/12 14:43:00			2.6	0.0	12.9	0.0	0	14	2.5				
BH208	16/11/12 14:44:00			2.8	0.0	12.7	0.0	0	10	2.6				
BH208	16/11/12 14:45:00			3.1	0.0	12.3	0.0	0	14	2.6				
BH208	16/11/12 14:46:00			3.3	0.0	12.0	0.0	0	13	2.7				
BH208	16/11/12 14:47:00			3.5	0.0	11.8	0.0	0	13	2.7				

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH208	16/11/12 14:48:00			3.7	0.0	11.5	0.0	0	10	2.7				No interface detected.
BH208	16/11/12 14:49:00			3.8	0.0	11.4	0.0	0	9	2.7			4.82	
BH208	23/11/12 14:50:00	1011	+0.58								0.0			
BH208	23/11/12 14:51:00										0.0			
BH208	23/11/12 14:52:00										-0.1			
BH208	23/11/12 14:53:00										-0.1			
BH208	23/11/12 14:54:00										-0.2			
BH208	23/11/12 14:55:00										-0.2			
BH208	23/11/12 14:56:00										-0.1			
BH208	23/11/12 14:57:00										0.0			
BH208	23/11/12 14:58:00										-0.1			
BH208	23/11/12 14:59:00										0.0			
BH208	23/11/12 15:00:00													
BH208	23/11/12 15:01:00			4.5	0.0	12.5	0.0	0	1	2.8				
BH208	23/11/12 15:02:00			4.5	0.0	12.5	0.0	0	0	2.7				
BH208	23/11/12 15:03:00			4.4	0.0	12.5	0.0	0	3	2.7				
BH208	23/11/12 15:04:00			4.4	0.0	12.5	0.0	0	1	2.8				
BH208	23/11/12 15:05:00			4.4	0.0	12.5	0.0	0	0	2.8				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH208	23/11/12 15:06:00			4.5	0.0	12.4	0.0	0	1	2.9				
BH208	23/11/12 15:07:00			4.5	0.0	12.4	0.0	0	2	2.9				
BH208	23/11/12 15:08:00			4.5	0.0	12.4	0.0	0	1	2.9				
BH208	23/11/12 15:09:00			4.6	0.0	12.3	0.0	0	0	3.0				
BH208	23/11/12 15:10:00			4.7	0.0	12.3	0.0	0	0	3.0			4.82	No interface detected
BH208	30/11/12 13:00:00	1010	+0.36								0.0			
BH208	30/11/12 13:01:00										-0.1			
BH208	30/11/12 13:02:00										0.0			
BH208	30/11/12 13:03:00										0.0			
BH208	30/11/12 13:04:00										0.0			
BH208	30/11/12 13:05:00										0.1			
BH208	30/11/12 13:06:00										0.0			
BH208	30/11/12 13:07:00										0.0			
BH208	30/11/12 13:08:00										0.0			
BH208	30/11/12 13:09:00										0.1			
BH208	30/11/12 13:10:00			1.7	0.0	18.5	0.0	0	0	0.8				
BH208	30/11/12 13:11:00			1.7	0.0	18.5	0.0	0	0	0.8				
BH208	30/11/12 13:12:00			1.7	0.0	18.6	0.0	0	0	0.9				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH208	30/11/12 13:13:00			1.7	0.0	18.5	0.0	0	0	0.9				No interface detected
BH208	30/11/12 13:14:00			1.7	0.0	18.4	0.0	0	0	1.0				
BH208	30/11/12 13:14:00			1.8	0.0	18.4	0.0	0	0	1.1				
BH208	30/11/12 13:15:00			1.9	0.0	18.2	0.0	0	0	1.1				
BH208	30/11/12 13:16:00			2.0	0.0	18.2	0.0	0	0	1.2				
BH208	30/11/12 13:17:00			2.1	0.0	17.9	0.0	0	0	1.3				
BH208	30/11/12 13:18:00			2.3	0.0	17.7	0.0	0	0	1.4		4.80		
BH208	05/12/12 13:00:00	1008	-0.80								0.0	3		
BH208	05/12/12 13:01:00										0.1			
BH208	05/12/12 13:02:00										0.0			
BH208	05/12/12 13:03:00										0.0			
BH208	05/12/12 13:04:00										0.0			
BH208	05/12/12 13:05:00										0.0			
BH208	05/12/12 13:06:00										-0.1			
BH208	05/12/12 13:07:00										0.0			
BH208	05/12/12 13:08:00										0.0			
BH208	05/12/12 13:09:00										0.0			
BH208	05/12/12 13:10:00			1.1	0.0	19.8	0.0	0	0	1.0				

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 2

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH208	05/12/12 13:11:00			1.0	0.0	19.8	0.0	0	0	1.1				No interface detected
BH208	05/12/12 13:12:00			1.0	0.0	19.9	0.0	0	0	1.1				
BH208	05/12/12 13:13:00			1.0	0.0	19.9	0.0	0	0	1.1				
BH208	05/12/12 13:14:00			1.0	0.0	19.9	0.0	0	0	1.1				
BH208	05/12/12 13:15:00			1.0	0.0	19.9	0.0	0	0	1.1				
BH208	05/12/12 13:16:00			1.1	0.0	19.9	0.0	0	0	1.2				
BH208	05/12/12 13:17:00			1.1	0.0	19.8	0.0	0	0	1.2				
BH208	05/12/12 13:18:00			1.2	0.0	19.8	0.0	0	0	1.2				
BH208	05/12/12 13:19:00			1.2	0.0	19.7	0.0	0	0	1.2			4.80	

remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.	CONTRACT 27417	CHECKED RE
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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 3

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH207	02/05/13 09:40:00	1023	+0.27								0.4			
BH207	02/05/13 09:41:00										0.0			
BH207	02/05/13 09:42:00										-0.1			
BH207	02/05/13 09:43:00										0.0			
BH207	02/05/13 09:44:00										-0.1			
BH207	02/05/13 09:45:00										-0.1			
BH207	02/05/13 09:46:00										0.0			
BH207	02/05/13 09:47:00										0.0			
BH207	02/05/13 09:48:00										0.0			
BH207	02/05/13 09:49:00										-0.1			
BH207	02/05/13 09:50:00			1.7	0.0	15.6	0.0	0	2	8.7				
BH207	02/05/13 09:51:00			1.9	0.0	14.4	0.0	0	2	9.2				
BH207	02/05/13 09:52:00			1.8	0.0	14.0	0.0	0	1	9.4				
BH207	02/05/13 09:53:00			1.7	0.0	13.8	0.0	0	0	9.7				
BH207	02/05/13 09:54:00			1.7	0.0	13.7	0.0	0	0	9.9				
BH207	02/05/13 09:55:00			1.7	0.0	13.7	0.0	0	1	10.0				
BH207	02/05/13 09:56:00			1.6	0.0	13.6	0.0	0	2	10.1				
BH207	02/05/13 09:57:00			1.6	0.0	13.5	0.0	0	0	10.1				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 27658	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 3

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH207	02/05/13 09:58:00			1.5	0.0	13.5	0.0	0	1	10.1				No interface detected.
BH207	02/05/13 09:59:00			1.5	0.0	13.6	0.0	0	0	10.1				
BH207	02/05/13 10:00:00												4.42	
BH207	13/05/13 11:00:00	1012	+0.64								0.0			
BH207	13/05/13 11:01:00										0.0			
BH207	13/05/13 11:02:00										0.0			
BH207	13/05/13 11:03:00										0.1			
BH207	13/05/13 11:04:00										-0.1			
BH207	13/05/13 11:05:00										0.0			
BH207	13/05/13 11:06:00										-0.1			
BH207	13/05/13 11:07:00										-0.1			
BH207	13/05/13 11:08:00										0.0			
BH207	13/05/13 11:09:00										0.0			
BH207	13/05/13 11:10:00										0.0			
BH207	13/05/13 11:11:00			1.3	0.0	17.6	0.0	0	0	2.1				
BH207	13/05/13 11:12:00			1.3	0.0	17.2	0.0	0	1	2.3				
BH207	13/05/13 11:13:00			1.1	0.0	16.6	0.0	0	1	2.5				
BH207	13/05/13 11:14:00			1.1	0.0	16.3	0.0	0	1	2.8				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 27658	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 3

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH207	13/05/13 11:15:00			1.0	0.0	16.1	0.0	0	1	3.1				No interface detected.
BH207	13/05/13 11:16:00			1.1	0.0	15.9	0.0	0	1	4.3				
BH207	13/05/13 11:17:00			1.1	0.0	15.8	0.0	0	1	4.8				
BH207	13/05/13 11:18:00			1.1	0.0	15.3	0.0	0	1	4.9				
BH207	13/05/13 11:19:00			1.1	0.0	14.1	0.0	0	1	4.9				
BH207	13/05/13 11:20:00			1.3	0.0	15.8	0.0	0	1	5.2			4.45	
BH207	20/05/13 15:20:00	1009	0.06								0.0			
BH207	20/05/13 15:20:00	1009	+00.6								0.0			
BH207	20/05/13 15:21:00										0.0			
BH207	20/05/13 15:21:00										0.0			
BH207	20/05/13 15:22:00										0.0			
BH207	20/05/13 15:22:00										0.0			
BH207	20/05/13 15:23:00										0.0			
BH207	20/05/13 15:23:00										0.0			
BH207	20/05/13 15:24:00										0.0			
BH207	20/05/13 15:24:00										0.0			
BH207	20/05/13 15:25:00										0.0			
BH207	20/05/13 15:25:00										0.0			

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 3

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH207	20/05/13 15:26:00										0.0			
BH207	20/05/13 15:26:00										0.0			
BH207	20/05/13 15:27:00										0.0			
BH207	20/05/13 15:27:00										0.0			
BH207	20/05/13 15:28:00										0.0			
BH207	20/05/13 15:28:00										0.0			
BH207	20/05/13 15:29:00										0.0			
BH207	20/05/13 15:29:00										0.0			
BH207	20/05/13 15:30:00			0.9	0.0	18.6	0.0	0	1	0.6				
BH207	20/05/13 15:30:00			0.9	0.0	18.6	0.0	0	1	0.6				
BH207	20/05/13 15:31:00			0.8	0.0	18.6	0.0	0	1	0.5				
BH207	20/05/13 15:31:00			0.8	0.0	18.6	0.0	0	1	0.5				
BH207	20/05/13 15:32:00			0.8	0.0	18.4	0.0	0	1	0.7				
BH207	20/05/13 15:32:00			0.8	0.0	18.4	0.0	0	1	0.7				
BH207	20/05/13 15:33:00			0.7	0.0	18.2	0.0	0	1	1.5				
BH207	20/05/13 15:33:00			0.7	0.0	18.2	0.0	0	1	1.5				
BH207	20/05/13 15:34:00			0.6	0.0	18.2	0.0	0	1	2.3				
BH207	20/05/13 15:34:00			0.6	0.0	18.2	0.0	0	1	2.3				
remarks # denotes result exceeding capacity of gas monitoring equipment VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.													CONTRACT 27658	CHECKED CT

GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 3

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH207	20/05/13 15:35:00			0.6	0.0	18.0	0.0	0	0	2.7				
BH207	20/05/13 15:35:00			0.6	0.0	18.0	0.0	0	0	2.7				
BH207	20/05/13 15:36:00			0.6	0.0	18.1	0.0	0	1	3.1				
BH207	20/05/13 15:36:00			0.6	0.0	18.1	0.0	0	0	3.1				
BH207	20/05/13 15:37:00			0.7	0.0	18.1	0.0	0	1	3.2				
BH207	20/05/13 15:37:00			0.7	0.0	18.1	0.0	0	1	3.2				
BH207	20/05/13 15:38:00			0.7	0.0	18.0	0.0	0	1	3.4				
BH207	20/05/13 15:38:00			0.7	0.0	18.0	0.0	0	1	3.4				
BH207	20/05/13 15:39:00			0.7	0.0	17.7	0.0	0	1	3.7				
BH207	20/05/13 15:39:00			0.3	0.0	18.0	0.0	0	1	3.7				
BH207	20/05/13 15:40:00			1.4	0.0	17.7	0.0	0	0	8.4				
BH207	20/05/13 15:41:00												4.46	No interface detected.
BH207	20/05/13 15:44:00			1.3	0.0	15.6	0.0	0	0	8.4				
BH207	20/05/13 15:49:00			1.4	0.0	16.0	0.0	0	0	10.1				
BH207	20/05/13 15:50:00												4.46	No interface detected
BH207	29/05/13 11:00:00										0.0			
BH207	29/05/13 11:01:00										0.0			
BH207	29/05/13 11:02:00										0.0			

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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GAS AND GROUNDWATER LEVELS



CLIENT: WEST LONDON AND SUBURBAN PROPERTY INVESTMENTS LIMITED

SITE: FITZROVIA REDEVELOPMENT PHASE 3

Borehole /trial pit no.	date and time	barometric pressure (mb)	pressure differentiation (mm H ₂ O)	carbon dioxide (%)	methane (%)	oxygen (%)	LEL (%)	hydrogen sulphide (ppm)	carbon monoxide (ppm)	VOC (ppm)	gas flow (ltr/hr)	temperature (°C)	water level (m - bgl)	remarks
BH207	29/05/13 11:03:00										0.0			
BH207	29/05/13 11:04:00										0.0			
BH207	29/05/13 11:05:00		1004	0.8	0.0	18.7	0.0	0	10	0.4		0		
BH207	29/05/13 11:06:00			0.9	0.0	18.6	0.0	0	10	0.2				
BH207	29/05/13 11:07:00			0.9	0.0	18.6	0.0	0	8	0.1				
BH207	29/05/13 11:08:00			0.8	0.0	18.3	0.0	0	8	0.1				
BH207	29/05/13 11:09:00			0.7	0.0	18.4	0.0	0	8	0.1				
BH207	29/05/13 11:10:00			0.7	0.0	18.3	0.0	0	5	0.1				
BH207	29/05/13 11:11:00			0.7	0.0	18.4	0.0	0	5	0.0				
BH207	29/05/13 11:12:00			0.7	0.0	18.2	0.0	0	10	0.0				
BH207	29/05/13 11:13:00			0.7	0.0	18.0	0.0	0	10	0.0				
BH207	29/05/13 11:14:00			0.7	0.0	18.1	0.0	0	8	0.0				
BH207	29/05/13 11:15:00			0.7	0.0	17.9	0.0	0	8	0.0				
BH207	29/05/13 11:16:00												4.45	No interface detected.

remarks
 # denotes result exceeding capacity of gas monitoring equipment
 VOC - Photoionisation Detector Mini RAE 2000 measures VOC vapours with 10.6eV lamp calibrated against isobutylene.

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Appendix F

Soil assessment methodology

F1 Risk assessment methodology

F1.1 Introduction

Land contamination is regulated under several regimes including environmental protection, pollution prevention and control, waste management, planning and development control, and health and safety.

The National Planning Policy Framework (NPPF) places responsibility on the developer of the land for ensuring that development is safe and suitable for use for the purpose for which it is intended which will include dealing with historic contamination of the ground to the satisfaction of the local authority and Environment Agency. The NPPF defines site investigation information as including a risk assessment of land potentially affected by contamination. It states that all investigations of land potentially affected by contamination should be carried out in accordance with established procedures.

The UK framework for the assessment of contaminated land endorses the principle of a “suitable for use” approach, where remedial action is only required if there are unacceptable risks to health or the environment, taking into account the use of the land and its environmental setting. For land to be determined as contaminated and require remediation (or possibly a change to less sensitive use), all three elements of a source, pathway and receptor (SPR) ‘plausible pollutant linkage’ (PPL) must be present.

A generic quantitative assessment of the results of the ground investigations on the Site is provided in Section 7 of the report in accordance with the current UK guidance on the assessment of contaminated land and in particular the Contaminated Land Exposure Assessment (CLEA) framework.

F1.2 Human health

F1.2.1 Chemical contamination

F1.2.1.1 Generic assessment criteria

The UK statutory guidance suggests that generic soil quality guideline values may be used for an initial screening of soil contamination results in regard to human health risk assessment. Generic assessment criteria (GAC) provide an indication of concentration in soil below which the long-term human health risks for various generic land-use scenarios are considered to be minimal. Concentrations above GAC do not necessarily indicate that significant contamination is present, but rather that further assessment or risk management measures may be warranted.

A generic commercial end use has been considered in the assessment to provide an initial screen of the results. The generic commercial end use is based on assessing risks to a female office worker, spending her entire working life (full time) on site. She frequently uses the soft landscaping and is directly exposed to soils being assessed via ingestion, dermal contact, and inhalation of dust and vapour both outside and inside the building.

LQM Suitable 4 use levels (S4UL) (Copyright Land Quality Management Limited reproduced with permission (Publication Number S4UL3227)) have been used in the assessment where available. In addition Category 4 screening levels (C4SLs), recently released by Defra for some determinands, have been considered in the assessment where appropriate. The S4ULs use C4SL exposure parameters but maintain the traditional minimal risk toxicological benchmarks. The C4SL are based on new toxicological benchmarks described as 'acceptable low' rather than minimal risk.

For determinands where S4ULs are not available, GAC have been derived by Arup using the CLEA 1.06 software model, which are more conservative values. Input data for the toxicological effects, physical characteristics and contaminant fate and transport parameters for the determinands have been taken from sources published by the Environment Agency and other industry sources (including LQM [19] and CL:AIRE [20]).

F1.2.1.2 C4SLs

Defra has released a set of Category 4 screening levels (C4SLs) which, according to associated guidance may be applicable under the planning regime in some circumstances.

The Contaminated Land Statutory Guidance (2012) defines four 'categories' of land when considering human health and the water environment to assist in determining whether a site might be "Contaminated Land" under Part 2A. Category 1 and 2 would indicate that the site would be determined; whereas in the case of both 3 and 4 it would not. Land that has been developed which is assessed to be within category 4 should be acceptable under planning. Defra recently confirmed in writing that C4SL (criteria developed to define the boundary between category 3 and category 4) could be used under the planning regime. It states that C4SL provide a simple test for deciding if land is "suitable for use" and definitely not contaminated. A developer may decide that in the cases where they are providing high quality new development that a higher level of protection may be preferred on a voluntary basis, for instance by using generic assessment criteria based on a negligible levels of risk.

A range of modifications of input parameters used in their derivation have been discussed. Since the use of C4SLs in a planning context is yet to be confirmed this assessment has used Arup GACs with consideration of the implications of C4SLs. In general the C4SLs are higher than the Arup GAC, as by design they include a reduced level of conservatism within at least some of the input parameters used in their derivation. However, due to changes in the toxicological data used to derive assessment criteria for lead the C4SL is below the current Arup GAC for this contaminant and as such these lower assessment criteria have been considered in the assessment.

The conditions assumed in the C4SL calculations include sandy loam soil and 6% SOM. The detailed description of the Made Ground suggest that the soils could reasonable classified within the sandy loam to sandy clay range; the %SOM is low, typically <1%. However based on the assumption used in the CLEA model neither the % SOM nor the composition of the soil has an impact on the derivation of GAC / C4SL values for lead.

F1.2.2 Asbestos in soil

Work with asbestos in the UK is controlled by the Health and Safety Executive (HSE) and the Control of Asbestos Regulations (CAR) 2012 [21]. Certain activities, such as working with asbestos insulation, coatings, and insulating board require licensing and notification to the appropriate authority before work commences. All work with asbestos materials must be initially assessed by a competent person and various requirements arise from that assessment.

The HSE has published a Code of Practice for CAR 2012 which does not include specific guidance regulating asbestos in soils. In March 2014 CIRIA has published C733 Asbestos in Soil and Made Ground: A guide to understanding and managing risks [18].

In order for asbestos found within soil to pose a risk to health, it has to be present in a form that can release fibres to air for inhalation (or may do after it has been disturbed). The potential for fibre release is likely to be relatively lower when asbestos is present in soil in the form of cements or other 'bonded' materials and higher when friable forms or unconsolidated forms such as 'free fibres' are present. However even cemented and bonded ACM may eventually degrade and release fibres and can be disturbed and broken during construction for instance.

The release of fibres from the soil into the air can occur via wind-blown disturbance or physical disturbance either during site development (e.g. construction, remediation or earthworks) or during site use after development. The concentration of airborne fibres released is influenced by many factors including asbestos type, ACM type and condition/state, depth, distribution and concentration in soil, soil type, and soil moisture content. There is limited data on the release of airborne fibres from soils in real world environments, but soil moisture content has a particularly significant impact. In laboratory studies, the addition of 5% moisture to a dry soil reduced airborne fibre release by 80-95% and no airborne fibre were detected when the soil moisture content was greater than 15%.

There are currently no generic assessment criteria for asbestos in soils and C733 makes it clear that such criteria are unlikely in the near future due to uncertainties on the mechanisms for fibre release, calculating the likely exposure and the risk of harm at low levels of exposure. Instead the report recommends site specific assessment based on multiple lines of evidence.

There are a number of current initiatives to advance the industries understanding of the way asbestos in soils should be regulated, tested and assessed and further new publications are expected in the next two years.

Analysis has been performed to the lowest possible accredited detection limit routinely reported by laboratories (0.001%) and a robust strategy to sever plausible pollutant linkages will be adopted in the remediation strategy, to reduce exposure as low as reasonably practicable during development and prevent exposure after development.